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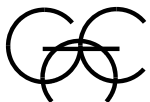
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GILES ENGINEERING ASSOCIATES, INC.



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Site Investigation Report

**Smoke-Out Cleaners
1631 Brookfield Avenue, Unit D-4
Howard, Wisconsin**

Prepared For:

**Smoke-Out Cleaners, Ltd.
Verona, Wisconsin**

**August 31, 2017
Project No. 1E-1105023**



GILES
ENGINEERING ASSOCIATES, INC.



GILES

ENGINEERING ASSOCIATES, INC.

GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

- Atlanta, GA
- Baltimore, MD
- Dallas, TX
- Los Angeles, CA
- Manassas, VA
- Milwaukee, WI

August 31, 2017

Smoke Out Cleaners, Ltd.
535 Half-Mile Road
Verona, WI 53593

Attention: Mr. Mark Woppert

Subject: Site Investigation Report
Smoke-Out Cleaners
1631 Brookfield Avenue, Unit D-4
Howard, Wisconsin
BRRTS No. 02-05-552214
Giles Project No. 1E-1105023

Dear Mr. Woppert:

Giles Engineering Associates, Inc. (Giles) has prepared the attached report to document the site investigation activities conducted at the Smoke-Out Cleaners (Site), located at 1631 Brookfield Road Unit D-4, in the Village of Howard, Brown County, Wisconsin. Please let us know if you have any questions.

Sincerely,

GILES ENGINEERING ASSOCIATES, INC.

Kelly M. Hayden
Environmental Scientist II

Stephen M. Owens, P.G.
Project Manager

Distribution: Smoke-Out Cleaners, Ltd.
Attn: Mr. Mark Woppert (1 copy via email: mark.woppert@smoke-out.net)
Team Bay, LLC
Attn: Mr. Chris Dockry (1 copy via email: chris@teamsselfstorage.com)
Wisconsin Department of Natural Resources
Attn: Mr. Robert Klauk (1 copy via USPS and 1 via email:
Robert.Klauk@Wisconsin.gov)

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PROJECT NO. 1E-1105023

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SITE INVESTIGATION REPORT
SMOKE-OUT CLEANERS
1631 BROOKFIELD AVENUE, UNIT D-4
HOWARD, WISCONSIN
GILES PROJECT NO. 1E-1105023

EXECUTIVE SUMMARY

Smoke-Out Cleaners, Ltd. (Smoke-Out) retained Giles Engineering Associates, Inc. (Giles) to complete a Site Investigation (SI) in general accordance with Natural Resources Chapter 716, Wisconsin Administrative Code (Ch. NR 716) for the property located at 1631 Brookfield Avenue, Unit D-4, Village of Howard, Brown County, Wisconsin (the "Site").

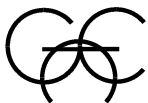
The Site is located within a commercial business park in an area of mixed commercial, industrial, residential, and vacant land uses. Smoke-Out began dry cleaning operations in a leased space centrally located within the western multi-tenant commercial building on the property in 2005. Based on a review of aerial photographs, it was determined that prior to development as a commercial building in 1999, the Site was vacant land.

Giles completed a Preliminary Site Assessment (PSA) for the Site in August of 2008. As part of the PSA, Giles completed two interior soil borings (HP-1 and HP-2) near the existing dry cleaning machine (DCM), and one exterior boring (GP-1) near the west service entrance. A temporary groundwater well was completed within boring GP-1 to facilitate the collection of a groundwater sample. Volatile organic compounds (VOCs) were detected in the soil and groundwater samples collected from the borings.

Based on the results of the PSA, a Notification of Release was submitted to the Wisconsin Department of Natural Resources (WDNR) on August 21, 2008. The WDNR subsequently issued a "responsible party" ("RP") letter on August 29, 2008, naming Mark Woppert of Smoke-Out as the RP.

Over the course of the SI, Giles completed twelve soil borings from June 2011 to March 2017 to investigate the nature and extent of VOC-impacts in soil and groundwater. Direct-push methods were used to obtain soil samples and to install nine groundwater monitoring wells (MW-1 through MW-9) and one piezometer (PZ-1). Giles also installed eight sub-slab vapor points (VP-1 through VP-8). Giles collected soil, soil gas, and groundwater samples for VOC analysis. In addition, water samples from the four potable wells (one for each of the business-occupied buildings) were submitted for laboratory analysis of VOCs.

The subsurface materials encountered beneath the concrete or asphalt and base course consisted primarily of brown fine to medium-grained sand with variable amounts of silt to a depth of approximately 10 to 12 feet below ground surface (bgs). Based on the materials encountered during the drilling of piezometer PZ-1, clay, silt, and silty clay are present beneath



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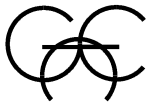
EXECUTIVE SUMMARY (continued)

the sand to a depth of 30 feet bgs. The depth to groundwater ranged between approximately 1.5 and 5 feet bgs, and the groundwater appears to flow across the Site toward the northeast.

Several chlorinated VOCs, including tetrachloroethene (PCE) and trichloroethene (TCE), were detected at concentrations that exceeded their respective NR 720 Residual Contaminant Levels (RCLs) for groundwater protection in soil samples collected from six soil borings near the DCM.

PCE and/or three of its daughter products were detected above their respective NR 140 Enforcement Standards (ESs) in groundwater collected from MW-1, MW-3, and MW-4 during the most recent sampling event (March 2017). In addition, PCE was detected above its NR 140 Preventive Action Limit (PAL) at MW-2, MW-3, and MW-7 during the most recent groundwater sampling event. No other VOCs were detected above their respective ES or PAL during the March 2017 sampling event.

TCE and/or PCE were detected above their respective sub-slab soil gas Vapor Risk Screening Levels (VRSLs) for small commercial buildings in the samples collected from four of the sub-slab vapor points (VP-4, VP-5, VP-7 and VP-8) from March 2016 through March 2017. The concentrations of vapors detected during the SI pose a risk of vapor intrusion. Therefore, Giles recommends that a sub-slab vapor mitigation system be installed to reduce the vapor intrusion risk.



GILES ENGINEERING ASSOCIATES, INC.

1. INTRODUCTION

Giles Engineering Associates, Inc. (Giles) completed a site investigation (SI) for the Smoke-Out Cleaners, Ltd. (Smoke-Out) dry cleaning facility located at 1631 Brookfield Avenue, Unit D-4, Village of Howard, Brown County, Wisconsin (the "Site"). The Site location and local topography are shown on Figure 1.

The SI was performed in general accordance with the requirements of Natural Resources (NR) Chapter 716, Wisconsin Administrative Code (Ch. NR 716). The purpose of the SI was to determine the nature, degree, and extent of VOC-impacted soil, soil gas, and groundwater. Giles field personnel conducted the SI subsurface exploration activities, groundwater gauging, and sampling between August 2008 and March 2017.

2. CONTACT INFORMATION

The project contact information is provided below.

Current Property Owner

Allen Lee Investments, LLC
2203 South Western Avenue
Green Bay, Wisconsin 5430
(920) 680-2878
atrailside@aol.com

Responsible Party

Mark Woppert (Smoke-Out Cleaners, Ltd.)
535 Half Mile Road
Verona, Wisconsin 53593
(608) 438-1746

Agent / Former Property Owner

Chris Dockry (Team Bay, LLC)
2105 Springcrest Place
Green Bay, Wisconsin 54304
(920) 680-1374



Consultant

Giles Engineering Associates, Inc.
N8 W22350 Johnson Road, Suite A-1
Waukesha, Wisconsin 53186
Attention: Stephen Owens
(262) 544-0118

WDNR

Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54313
Attention: Mr. Robert Klauk
(920) 662-5164

3. SITE DESCRIPTION

3.1. Location and Setting

The Site is located within a commercial business park in an area of mixed commercial, industrial, residential, and vacant land uses. The business park is boarded by railroad tracks and vacant land to the west, and Brookfield Avenue to the east. Sadoff Iron and Metal Company is located on the property to the north of the Site. Brown County Sportsmen's Club is located to the northeast and east of the commercial park, across Brookfield Avenue, and a residence is located on the adjoining property to the south.

The Smoke-Out lease space is centrally located within the western multi-tenant commercial building (1631 Brookfield Avenue) on the property. The lease space adjoining the Smoke-Out unit to the north is occupied by Black Diamond Builders. Badger Scale adjoins the Smoke-Out unit to the south, and was included within the investigation area due to its close proximity to the DCM. Great Outdoors Garage Door, Co. adjoins Badger Scale to the south. Tenants within the three commercial buildings to the east of the building in which Smoke-Out is located include Windows of Wisconsin, Auto Feeds (printing press parts), and Haverkorn Construction. Several buildings housing self storage garage units are located to the west and south of the building in which Smoke-Out is located.

According to the Public Land Survey System, the Site is located in the southeast $\frac{1}{4}$ of the Northwest $\frac{1}{4}$ of Section 3, Township 24 North, and Range 20 East. The Wisconsin



Transverse Mercator (WTM) 1991 coordinates for the Site are: X: 67401, Y: 458863, and the Brown County parcel identification number for the Site is VH-123. The Site deed, legal description and certified survey map are provided in Appendix A.

3.2. Current and Historic Property Use

The Smoke-Out dry cleaning facility lease space is located within a slab-on-grade, multi-tenant, commercial building. Single story offices are located along the eastern portion of the building, with the western part of the building being occupied by a two-story work space and storage area. Open walled mezzanine areas, which are accessible from the work area, are located above the offices. Asphalt paved parking areas exist on the east and west sides of the building. One dry cleaning machine (DCM) currently exists in the south central part of the Smoke-Out work area. Dry cleaning solvent, tetrachloroethene (a.k.a. perchloroethene or PCE), is currently used at the Site, and is stored in the DCM. Smoke-Out began dry cleaning operations at this location in 2005. Based on a review of aerial photographs, it was determined that prior to development as a commercial building 1999, the Site was vacant land.

4. PROJECT HISTORY

Giles completed a Preliminary Site Assessment (PSA) for the Site in August of 2008. As part of the PSA, Giles completed two interior soil borings (HP-1 and HP-2) near the existing DCM to a common depth of 8 feet below ground surface (bgs), and one exterior boring (GP-1) near the west service entrance to a depth of 12 feet bgs. A temporary groundwater well was completed within boring GP-1 to facilitate the collection of a groundwater grab sample. Groundwater was encountered at a depth of 4 feet bgs in boring GP-1.

Soil samples were selected from 2 to 4 feet bgs in each of the three borings and submitted for laboratory analysis of volatile organic compounds (VOCs). Organic vapors were not detected above background levels (5 instrument units [iu]) using a photoionization detector (PID) during field screening of soil samples collected from soil borings HP-1, HP-2, and GP-1.

PCE was detected in the soil samples submitted for laboratory analysis from HP-1, HP-2, and GP-1. Cis-1,2 dichloroethene (cis-1,2 DCE) was detected in soil samples from HP-1 and HP-2. Additionally, methylene chloride was detected in soil samples from GP-1 and HP-1.

At the time of the PSA, there were no Wisconsin Administrative Code (WAC) Natural Resources Chapter (NR Ch.) 720 Residual Contaminant Levels (RCLs) for PCE, cis-1,2 DCE, or methylene chloride. In addition, the concentration of PCE did not exceed the



Wisconsin Department of Natural Resources (WDNR) Landfill Disposal Limit for Contained-Out, non-hazardous waste criteria.

Chloromethane was detected in the groundwater grab sample collected from GP-1 during the PSA. The detected concentration exceeded the NR Ch. 140 Preventative Action Limit (PAL), but not the Enforcement Standard (ES).

Based on the data and results of the PSA, Giles concluded that soil and groundwater had been impacted by the historic/current use of the property as a dry cleaning facility. The identified impacts were reported to the WDNR using WDNR form 4400-225 (Notification for Hazardous Substance Discharge [Non-Emergency Only]) dated August 21, 2008. On August 29, 2008 the WDNR issued a Responsible Party letter to Mark Woppert of Smoke-Out. The WDNR required a site investigation be performed to determine the nature, degree, and extent of impacted soil, soil gas, and groundwater.

5. METHODS AND PROCEDURES

Giles used the methods described below to investigate for the presence of impacts to soil, soil gas, and groundwater at the Site.

5.1. Soil Investigation Methods

Over the course of the investigation, Giles Drilling Division was retained to complete twelve soil borings using direct-push sampling equipment. Direct-push soil samples completed within the Smoke-Out and Badger Scale lease spaces were completed by coring through the building slab, then advancing a 1-inch inside diameter (ID), 4-foot long Macro-Core[®] soil sampler with a new acetate liner using cart-mounted direct-push equipment. Borings completed on the exterior of the building were completed using a 1.25-inch ID, 5-foot long sampling barrel with a new acetate liner and truck-mounted direct-push equipment. Soil samples were obtained continuously from each boring to total boring depth. Sampling tools and equipment were washed with a mild detergent solution and rinsed with potable water before each use to reduce the chance of cross-contamination. No lubricants or solvents were used on any downhole boring or sampling equipment.

Soil within the 4 or 5 foot sample barrel was divided into 2-foot sections. A portion of each 2-foot sample interval was immediately transferred into a 1 quart resealable plastic bag and stored on ice in a cooler for potential laboratory analysis. A duplicate portion of each 2-foot sampled interval was subjected to headspace analysis in the field to measure for the presence of organic vapors using a PID. The headspace analysis sample was sealed in a 1 quart plastic bag, agitated, and left in a warm environment to



allow volatilization to occur. Care was taken to maintain a relatively constant soil volume-to-headspace volume ratio for all samples. The plastic bags were then punctured with the PID probe, and the highest stable response occurring within 10 to 20 seconds was recorded. A Rae Systems MiniRae Model 2000 organic vapor meter equipped with a 10.6 electron-volt lamp was used to field screen the samples. The PID calibration was checked before use using isobutylene (benzene equivalent) calibration gas.

Up to one soil sample from each boring was selected from the unsaturated zone to define the horizontal extent of VOC-impacted soil. Samples selected for laboratory analysis were transferred from the initially-collected sample portion into labeled laboratory prepared and preserved containers. For VOC analysis, approximately 10 grams of soil were placed into a methanol-preserved 40 milliliter (ml) vial. The vials were sealed using silicone septa-type lids. Soil samples were packed with ice in a cooler and shipped via FedEx under chain-of-custody protocol to document sample number, date/time collected, requested analyses, and handling to Pace Analytical Services, Inc. (Pace) or TestAmerica Laboratories Inc. (TestAmerica) for VOC analysis using SW846 Method 8260. The collection, preservation, storage, and transportation of the soil samples were performed in general accordance with WDNR requirements.

Each sampled interval was visually described in the field by Giles personnel in general conformance with ASTM D-2488. Boring logs were prepared presenting information on color, soil type, grain size distribution, odor, moisture content, and PID response. Copies of the boring logs are included as Appendix B. After sampling was completed, boreholes HP-1, HP-2, and GP-1 through GP-3 were backfilled in accordance with Ch. NR 141 using bentonite chips and surfaced with asphalt or concrete, as appropriate. WDNR borehole abandonment forms are provided in Appendix C.

5.2. Sub-slab Soil Gas Sampling Methods

Over the course of the investigation, eight sub-slab vapor points (VP-1 through VP-8) were installed within the Smoke-Out and Badger Scale lease spaces. Vapor points were installed in the vicinity of the DCM and within the office and work spaces.

Vapor points VP-1 and VP-2 (which were made of stainless steel, 2.5-inches long and 0.5-inches in diameter) were placed in 0.75-inch diameter holes hammer-drilled through the slab, and quick-drying hydraulic cement was used to seal the points into the slab. A helium shroud was constructed around the pin to ensure an air-tight seal had been created between the pin and the concrete slab. To install vapor points VP-3 through VP-8, a 1.5-inch diameter hole was hammer-drilled 1.75-inches into the concrete building slab. A 5/8-inch diameter hole was then hammer-drilled through the slab within the center of the 1.5-inch hole. The hole was cleaned with a bottle brush, and the loose



cuttings were removed. The lower end of a brass Vapor Pin™ within a silicone sleeve was driven into the drilled hole, and a water dam was constructed around the pin to ensure an air-tight seal had been created between the pin and the concrete slab. The vapor points were purged prior to sampling by extracting 60 milliliters (mL) of soil gas from the vapor point using a plastic syringe.

A 6-liter Summa canister equipped with a 200-ml per minute flow regulator was connected to each vapor point using Teflon tubing. Upon completion of sampling, vapor points VP-1 and VP-2 were extracted and the holes were filled with concrete. Sub-slab vapor points VP-3 through VP-8 were left in place to facilitate the collection of soil gas samples during multiple sampling events. A silicone protective tip was placed on the brass Vapor Pin™, and a stainless steel flush cover was secured over the pin.

The sub-slab soil gas samples were submitted to Pace or TestAmerica for select VOC (including PCE and its daughter products) analysis using method TO-15.

5.3. Groundwater Investigation Methods

Giles Drilling Division installed nine prepacked screen groundwater monitoring wells, and one piezometer, to facilitate groundwater sample collection. Each well was constructed using a 5-foot length of prepacked well screen consisting of standard 1-inch diameter polyvinyl chloride (PVC) mill-slotted well screen surrounded by stainless steel mesh. Size 20-30 sand had been prepacked between the screen mesh and the PVC screen at the factory. The well screen was flush-threaded to a length of blank PVC riser casing to extend the well to the ground surface. Each monitoring well was capped with a friction-fit well cap and completed with a 6-inch outside diameter (OD) flush-mount cover placed in a concrete surface seal. No glue, solvent, lubricant, or similar substances were used to construct the wells. Well construction documentation is provided in Appendix D.

Giles developed the monitoring wells using a peristaltic pump and a 0.75-inch OD polyethylene bailer to surge and purge the well until the water from the well was relatively free of suspended solids. New ¼-inch OD polyethylene tubing and a new bailer were used for each well. Well development documentation is provided in Appendix D.

For each groundwater sampling event, groundwater levels were gauged and recorded prior to purging and sampling the wells. The monitoring wells were purged using low-flow techniques with a peristaltic pump and a multi-parameter water quality meter. New ¼-inch OD polyethylene tubing and ¼-inch silicone tubing were used for each well. Measurements of pH, temperature, conductivity, and dissolved oxygen, were recorded during well purging and the well was deemed adequately purged after the parameters were relatively stable.



After purging, a representative groundwater sample was pumped from each well into labeled, laboratory prepared and preserved containers. Samples for VOC analysis were collected directly from the pump discharge tube into three 40-ml glass vials containing hydrochloric acid preservative.

All samples were packed with ice in a cooler and either delivered in-person or shipped via FedEx under chain-of-custody protocol to document sample number, date/time collected, requested analyses, and handling to Pace or TestAmerica for analysis. The samples were analyzed for VOCs using SW846 Method 8260.

Potable water for the business park in which Smoke-Out is located is provided by four private wells. One well is located on the east side of each of the four main buildings (1601, 1631, 1651 and 1681 Brookfield Avenue). In general, the water samples were collected as close to the well as possible. Two of the potable well water samples were collected from a spigot situated between the point the water supply line enters the building and the water heater. The potable well samples from the other two wells were collected from a bathroom sink. Water softeners were not present in any of the four buildings. Prior to sample collection, the water in the pipes was purged by allowing it to run for at least 30 seconds. After purging, the potable water samples were collected by slowly filling three 40-ml glass vials containing hydrochloric acid preservative.

All samples were packed with ice in a cooler and delivered in-person under chain-of-custody protocol to document sample number, date/time collected, requested analyses, and handling to Pace for analysis. The samples were analyzed for VOCs using SW846 Method 8260.

6. SITE INVESTIGATION RESULTS

The site investigation field activities, including the PSA, were performed between August 2008 and March 2017. Activities included the completion of five soil borings (HP-1, HP-2, and GP-1 through GP-3), the installation of eight sub-slab vapor points (VP-1 through VP-8), nine groundwater monitoring wells (MW-1 through MW-9), and one piezometer (PZ-1). Four on-Site potable wells were also sampled during the SI. The locations of the potable wells, soil borings, vapor points, and wells are shown on Figures 2A and 2B. The results of the SI completed by Giles are presented and discussed below.



6.1. Site Geology

Review of the soil boring logs provided information about the subsurface materials at the Site. The subsurface materials encountered beneath the five-inch-thick slab of the building housing Smoke-Out consisted primarily of brown fine to medium-grained sand with variable amounts of silt to a depth of approximately 10 feet bgs. Review of the boring log for the deepest exterior boring, PZ-1 (which extended to 30 feet bgs) Surficial materials encountered during the completion of the exterior borings included asphalt with up to one foot of granular sand and gravel fill. Underlying the surficial fill was brown silty fine sand, clayey silt, and fine to medium sand. Bedrock was not encountered during the investigation; however, according to well logs generated from the installation of the four on-Site potable wells, limestone bedrock is approximately 80 feet bgs. The Giles boring logs are provided in Appendix B.

Two geologic cross sections for the Site were prepared using the Giles boring logs. The locations of the cross sections and the geologic information are shown on Figures 3, 3A, and 3B.

6.2. Site Hydrogeologic Conditions

Over the course of the investigation, the groundwater potentiometric surface was measured between approximately 1.5 and 5 feet bgs. Two groundwater flow direction maps (Figures 4A and 4B) were created using the May 2016 and March 2017 data. The May 2016 flow map, which included data from the wells installed in March 2016 (MW-5, MW-6 and MW-7), indicated that groundwater flows to the east. The March 2017 flow map includes data from wells installed after March 2016 (MW-8 and MW-9) and shows groundwater flowing north and northeast across the Site. Groundwater measurements and elevation data are summarized on Table 4. Although no permeability testing was performed, based upon the soil types encountered, it is inferred that the hydraulic conductivity beneath the Site probably ranges from 10^{-5} to 10^{-3} centimeters per second. Based on the groundwater elevation data collected in March 2017, the horizontal hydraulic gradient ranges from approximately 0.002 to 0.007 feet per feet.

6.3. Soil Field Screening and Laboratory Analytical Results

The initial investigative activities (which included installing soil borings HP-1, HP-2 and GP-1) were conducted in 2008 as part of the PSA. In June 2011, Giles completed soil borings MW-1 through MW-3 within the Smoke-Out lease space near the DCM, and soil boring MW-4 within the adjacent Badger Scale lease space to define the southern extent of soil and groundwater impacts. In addition, GP-2 and GP-3 were completed west of the Smoke-Out unit to define the western extent. Giles returned to advance MW-5 through



MW-7 to the west, southwest, and east of the Smoke-Out unit in March of 2016 to further define the extent of impacted soil. Based upon the lack of soil impacts in boring MW-7, soil samples were not collected from borings MW-8, MW-9 (completed in June 2016), and PZ-1 (completed in March 2017).

The soil sample field screening and laboratory results are provided and discussed below. The analytical results are summarized and compared to their respective current residual contaminant levels (RCLs) for industrial land uses, and groundwater protection on Table 1. The soil laboratory reports and chain-of-custody documentation are provided in Appendix D.

6.3.1 Soil Field Screening

No elevated (above 5 iu) PID responses were detected in the soil samples collected during the SI. No unusual discoloration or odors were observed in the sampled intervals from the borings. PID field screening results are provided on the boring logs in Appendix B.

6.3.2 Soil Laboratory Results

PCE, trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE) were detected at concentrations that exceeded their respective RCLs for groundwater protection in soil samples collected from six of the 11 borings from which soil samples were submitted for analysis. No other VOCs were detected above their respective limit of detection (LOD) in the soil samples analyzed.

The soil VOC analytical results are summarized on Table 1, and are depicted on Figure 5. The soil laboratory analytical reports and chain-of-custody documentation are provided in Appendix E. The area of unconsolidated impacted soil is generally located beneath the building slab in the vicinity of the DCM.

6.4. Vapor Intrusion Assessment

Giles installed eight sub-slab vapor points within the Smoke-Out and Badger Scale lease spaces during the course of the SI and PSA. VP-1 and VP-2 were installed near the DCM in June 2011. VP-1 was located approximately 4 feet west of the DCM, and VP-2 was located about 13 feet south of the DCM, within the Badger Scale garage area. The two vapor points were abandoned after one sampling event. Giles subsequently installed VP-3 through VP-6 in March of 2016. VP-3 and VP-6 were installed near the northern and southern wall of the Smoke-Out and Badger Scale lease spaces, respectively. VP-4 was installed adjacent to the north side of the DCM, and VP-5 was installed in a Smoke-Out storage room east of the DCM. In June of 2016 Giles installed VP-7 and VP-8 in the office spaces of Badger Scale and Smoke-Out, respectively, to further assess the potential risk of vapor intrusion.



The concentrations of PCE and TCE exceeded their WDNR soil gas sub-slab Vapor Risk Screening Levels (VRSLs) for small commercial buildings in nearly all of the samples collected from VP-1, VP-2, VP-4, VP-5 and VP-7. In addition, PCE was detected above its VRSL for small commercial buildings in the samples collected from VP-8. Sub-slab soil gas analytical results are summarized and compared to their respective WDNR VRSL in Table 2 and depicted in Figure 6. The soil gas laboratory analytical report and chain-of-custody documentation are provided in Appendix F.

6.5. Groundwater Laboratory Analytical Results

Groundwater monitoring wells MW-1 through MW-4 were completed in June of 2011. To further define the extent of impacted groundwater, Giles installed monitoring wells MW-5 through MW-7 to the west, southwest, and east of the Smoke-Out unit in March of 2016. Based on flow direction data obtained from gauging the monitoring wells, Giles installed downgradient monitoring wells MW-8 and MW-9 in June of 2016. Piezometer PZ-1 was installed in a location downgradient from the DCM (adjacent to MW-8) in March of 2017 to assess the potential for a diving plume of chlorinated-impacted groundwater.

Between three and five groundwater samples were collected from each of the monitoring wells during the course of the investigation. Monitoring wells MW-1 through MW-4 were sampled five times; wells MW-5 through MW-7 were sampled four times; wells MW-8 and MW-9 were sampled three times; and piezometer PZ-1 was sampled once. Groundwater analytical results were compared to current (February 2017) Ch. NR 140 PALs and ESs.

PCE, TCE, cis-1,2-DCE, and vinyl chloride were detected above their respective ES in groundwater collected from MW-1, MW-3, and MW-4 during the most recent sampling event, occurring in March 2017. In addition, PCE was detected above the PAL at MW-2, MW-3, and MW-7 during the most recent groundwater sampling event. No other VOCs were detected above their respective ES or PAL during the March 2017 sampling event. The groundwater analytical results are summarized in Table 3 and depicted in Figure 7. The laboratory analytical reports and chain-of-custody documentation are provided in Appendix G. Groundwater elevations gauged over the course of the SI are summarized in Table 4.

6.6. Potable Well Laboratory Analytical Results

The four on-Site potable wells (Figure 2A) were sampled for VOCs during the March 2017 sampling event. No VOCs were detected in the potable well samples at concentrations above their respective LODs. Laboratory analytical reports and chain-of-custody documentation is provided in Appendix H.



6.7. Investigative Waste Management

Investigative waste (purge/development water) generated from the groundwater monitoring wells was temporarily stored on Site in labeled 55-gallon steel drums. Giles arranged for the disposal of the investigative waste (purge water) through OSI Environmental, Inc. Investigative waste transportation and disposal documentation is included in Appendix I.

7. CONCLUSIONS AND RECOMMENDATIONS

Giles performed a site investigation at the Smoke-Out Cleaners in Howard, Wisconsin to evaluate potential impacts from its historic/current use as a dry cleaning facility. During the SI, Giles completed soil borings, installed sub-slab vapor points, and installed groundwater monitoring wells and a piezometer to determine the nature, degree, and extent of VOC-impacted soil, soil gas, and groundwater at the Site. The following conclusions are made based upon the data collected by Giles.

- The Smoke-Out lease space is located within a multi-tenant commercial building in a commercial business park. Smoke-Out has conducted dry cleaning operations at the Site since 2005.
- Soil samples from 6 of the 11 soil borings (HP-1, HP-2, GP-1, MW-2, MW-3 and MW-4) contained one or more VOCs at a concentration exceeding NR 720 RCLs for groundwater protection. The detected VOCs included PCE, TCE, cis-1,2-DCE, and methylene chloride. VOCs were not reported at levels above their respective LODs in the remaining soil samples submitted for analysis. It is Giles' opinion that the extent of VOC-impacted soil has been adequately defined and no further investigation with respect to VOCs in soil is warranted.
- Groundwater was measured between approximately 1.5 and 5 feet bgs. Groundwater appears to flow northeast to north across the Site.
- TCE, PCE, cis-1,2-DCE, and vinyl chloride were detected above their respective NR 140 ESs in groundwater collected from MW-1, MW-3, and MW-4 during the most recent sampling event (March 2017). In addition, PCE was detected above the NR 140 PAL at MW-2, MW-3, and MW-7 during the most recent groundwater sampling event. No other VOCs were detected above their respective ES or PAL during the March 2017 sampling event. It is Giles' opinion that the extent of VOC-impacted groundwater has been defined, and no further investigation with respect to VOCs in groundwater is warranted.



- Several VOCs, including PCE and TCE, were detected above their respective sub-slab soil gas VRSLs for small commercial buildings in VP-1, VP-2, VP-4, VP-5, VP-7, and VP-8 during nearly all sampling events from March 2016 until March 2017. The concentrations of vapors detected during the SI pose a risk of vapor intrusion. Giles recommends that a sub-slab depressurization system be installed to mitigate the intrusion of vapors.

8. SUBMITTAL CERTIFICATION

I, Stephen M. Owens hereby certify that I am a registered professional geologist in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



Signature

Project Manager



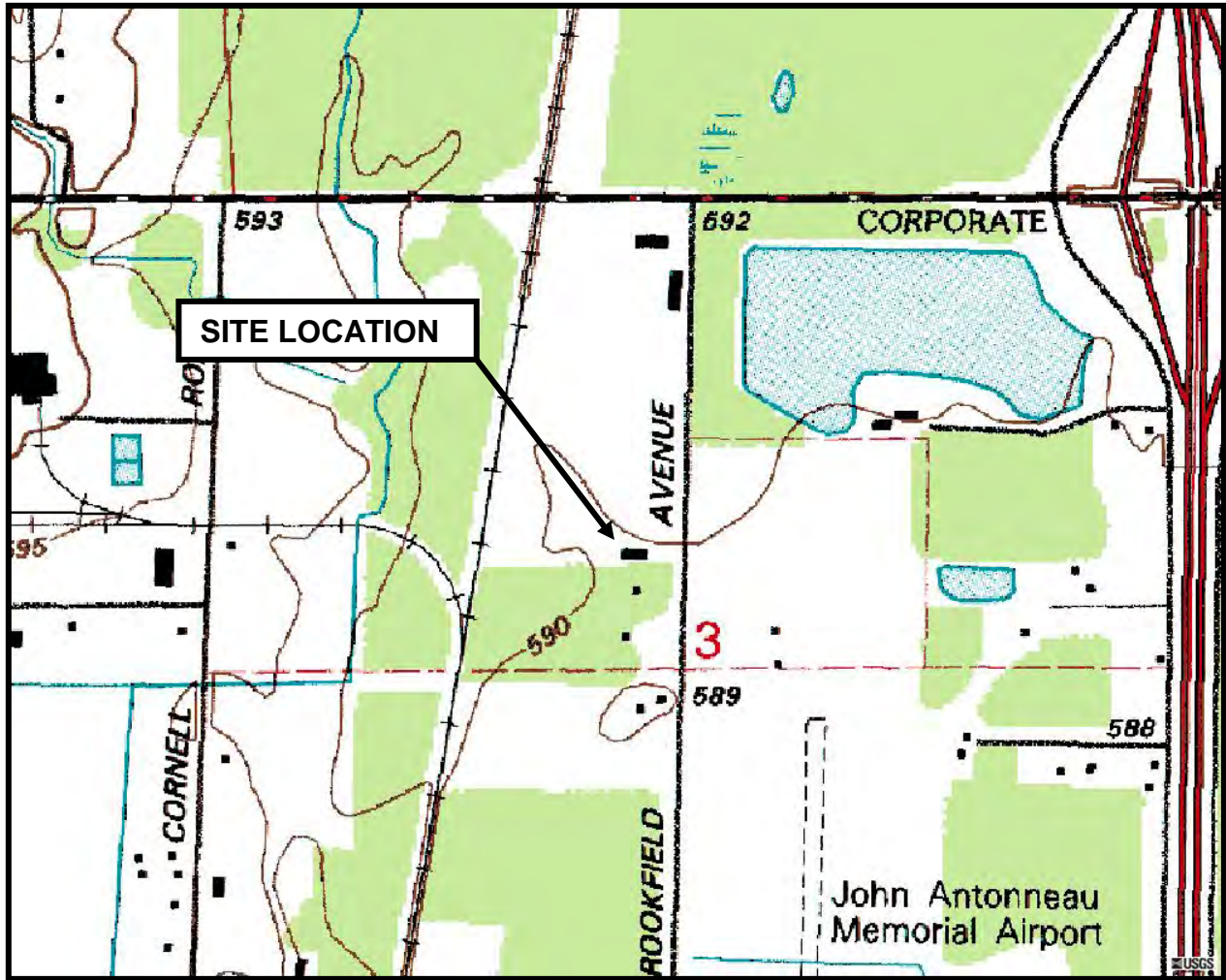
P.G. Stamp

© Giles Engineering Associates, Inc. 2017



GILES ENGINEERING ASSOCIATES, INC.

FIGURES



Source: USGS *Green Bay West, Wisconsin 7.5-Minute Series* (topographic) Quadrangle Map (1995)

Scale: 1:24,000
 Contour Interval: 10 Feet



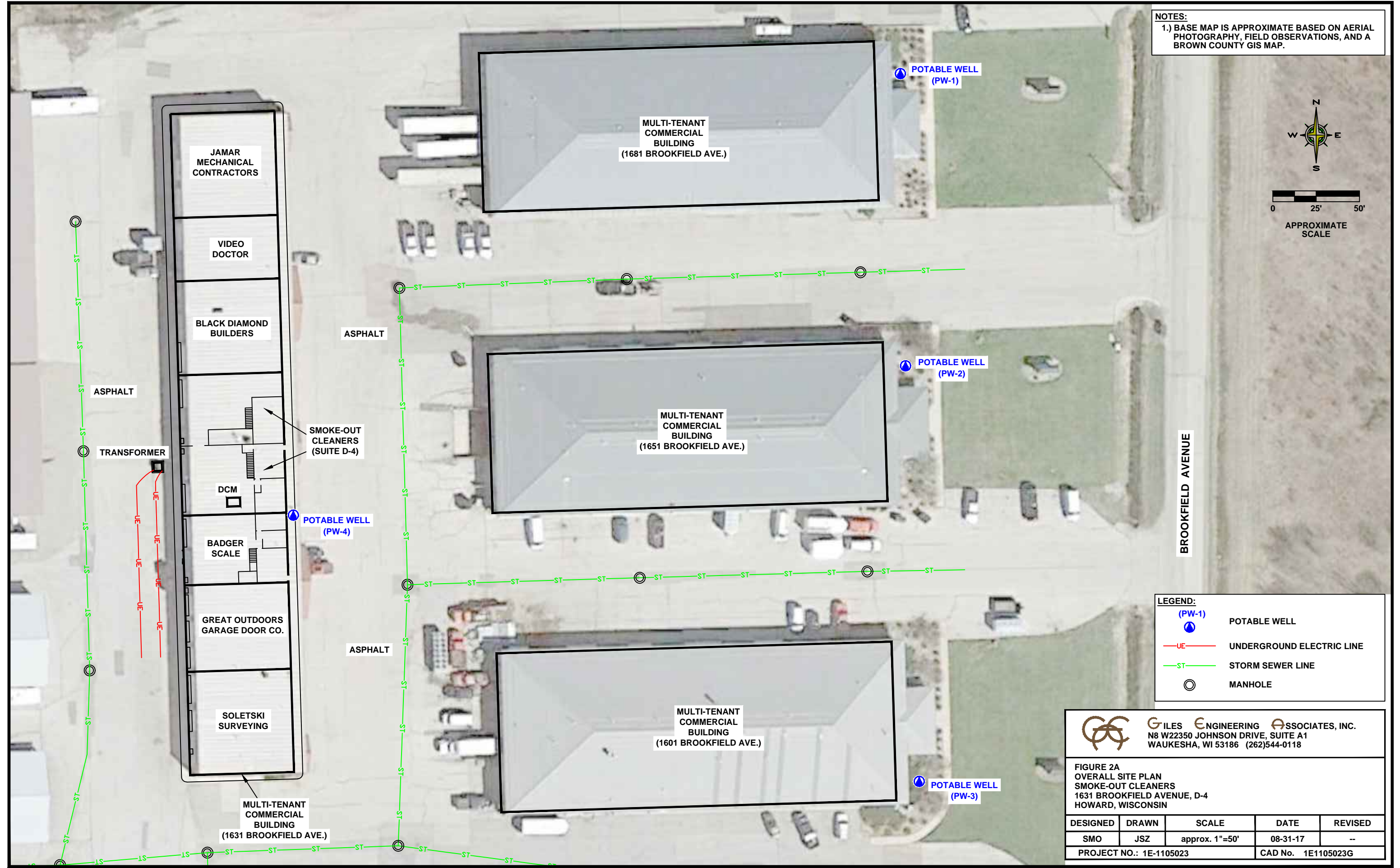
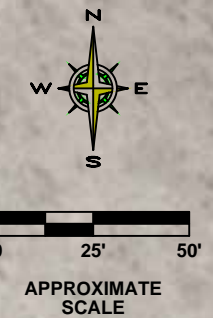
FIGURE 1
SITE LOCATION MAP

Smoke Out Cleaners
 1631 Brookfield Avenue, D-4
 Howard, Wisconsin
 Project No. 1E-1105023



GILES
 ENGINEERING ASSOCIATES, INC.

NOTES:
 1.) BASE MAP IS APPROXIMATE BASED ON AERIAL PHOTOGRAPHY, FIELD OBSERVATIONS, AND A BROWN COUNTY GIS MAP.



LEGEND:

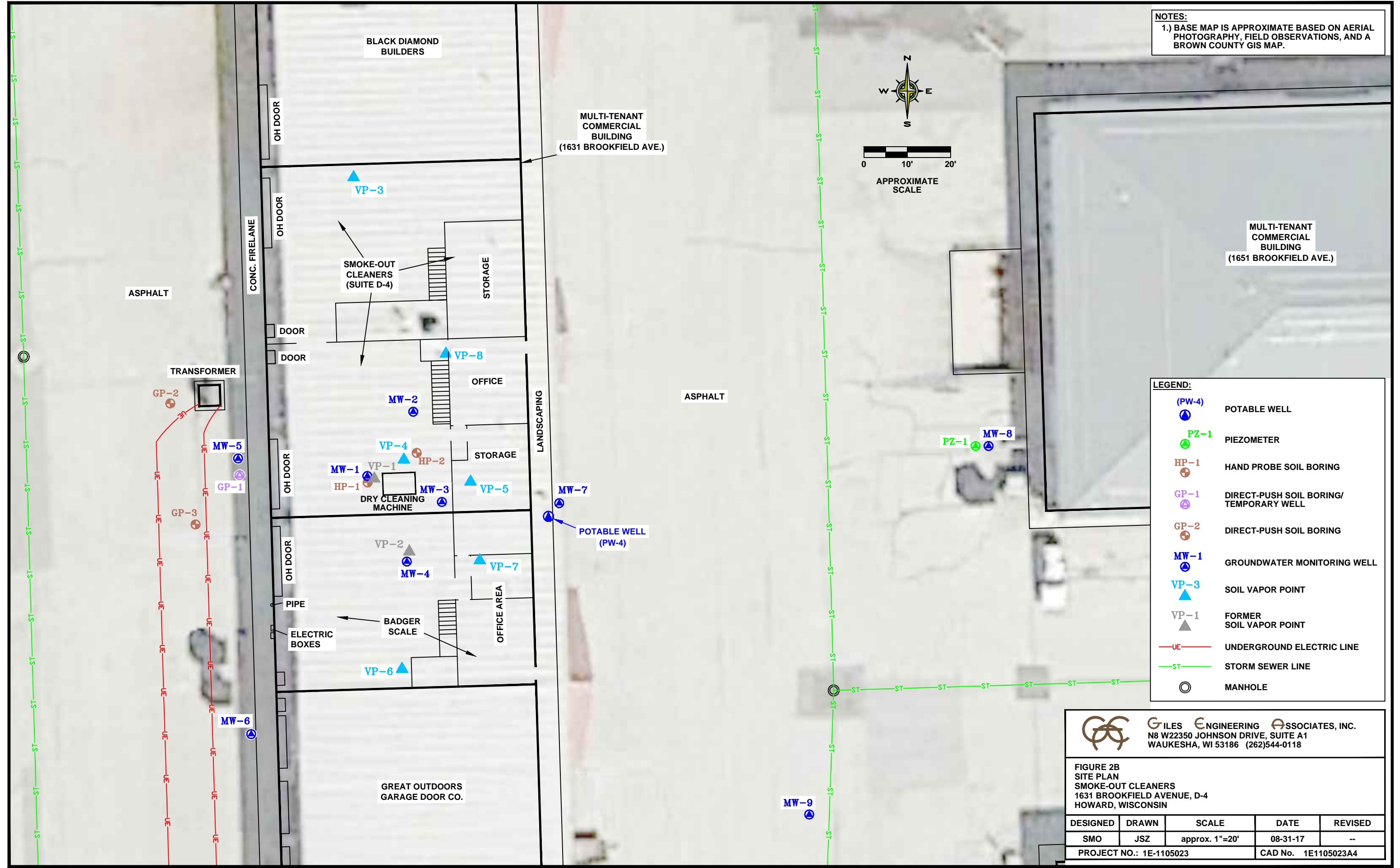
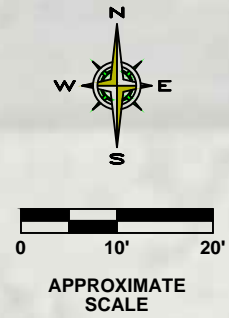
(PW-1)	POTABLE WELL
	UNDERGROUND ELECTRIC LINE
	STORM SEWER LINE
	MANHOLE

GILES ENGINEERING ASSOCIATES, INC.
 N8 W22350 JOHNSON DRIVE, SUITE A1
 WAUKESHA, WI 53186 (262)544-0118

FIGURE 2A
 OVERALL SITE PLAN
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=50'	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023G	

NOTES:
 1.) BASE MAP IS APPROXIMATE BASED ON AERIAL PHOTOGRAPHY, FIELD OBSERVATIONS, AND A BROWN COUNTY GIS MAP.



LEGEND:

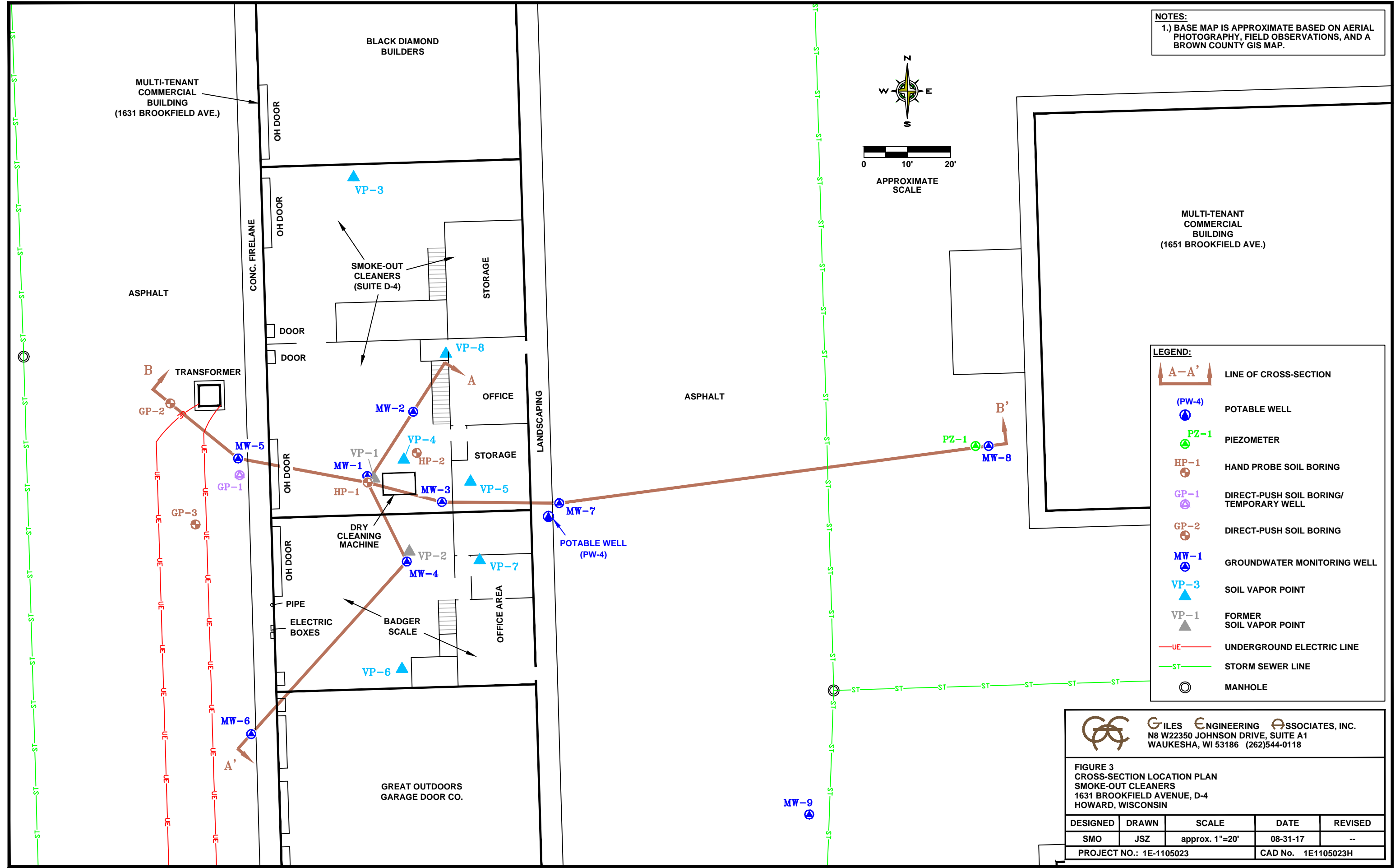
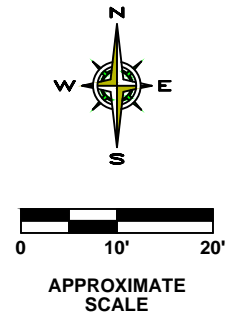
	(PW-4) POTABLE WELL
	PZ-1 PIEZOMETER
	HP-1 HAND PROBE SOIL BORING
	GP-1 DIRECT-PUSH SOIL BORING/ TEMPORARY WELL
	GP-2 DIRECT-PUSH SOIL BORING
	MW-1 GROUNDWATER MONITORING WELL
	VP-3 SOIL VAPOR POINT
	VP-1 FORMER SOIL VAPOR POINT
	UNDERGROUND ELECTRIC LINE
	STORM SEWER LINE
	MANHOLE

GILES ENGINEERING ASSOCIATES, INC.
 N8 W22350 JOHNSON DRIVE, SUITE A1
 WAUKESHA, WI 53186 (262)544-0118

FIGURE 2B
 SITE PLAN
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023A4	

NOTES:
 1.) BASE MAP IS APPROXIMATE BASED ON AERIAL PHOTOGRAPHY, FIELD OBSERVATIONS, AND A BROWN COUNTY GIS MAP.



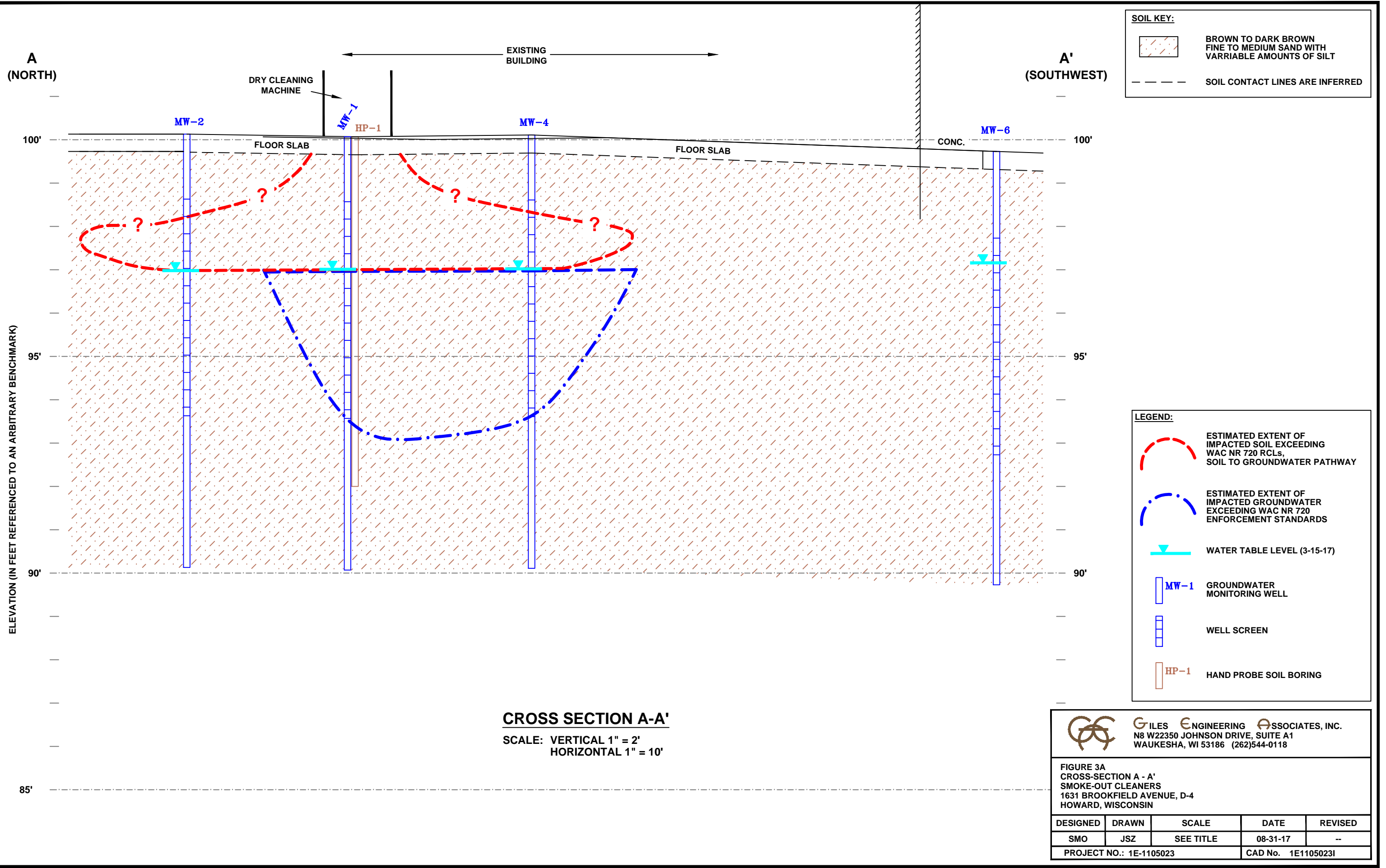
LEGEND:

- LINE OF CROSS-SECTION
- (PW-4) POTABLE WELL
- PZ-1 PIEZOMETER
- HP-1 HAND PROBE SOIL BORING
- GP-1 DIRECT-PUSH SOIL BORING/ TEMPORARY WELL
- GP-2 DIRECT-PUSH SOIL BORING
- MW-1 GROUNDWATER MONITORING WELL
- VP-3 SOIL VAPOR POINT
- VP-1 FORMER SOIL VAPOR POINT
- UE- UNDERGROUND ELECTRIC LINE
- ST- STORM SEWER LINE
- MANHOLE


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 WAUKESHA, WI 53186 (262)544-0118

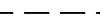
**FIGURE 3
 CROSS-SECTION LOCATION PLAN
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN**

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023H	





SOIL KEY:


 BROWN TO DARK BROWN FINE TO MEDIUM SAND WITH VARRIABLE AMOUNTS OF SILT


 SOIL CONTACT LINES ARE INFERRED


LEGEND:


 ESTIMATED EXTENT OF IMPACTED SOIL EXCEEDING WAC NR 720 RCLs, SOIL TO GROUNDWATER PATHWAY

 ESTIMATED EXTENT OF IMPACTED GROUNDWATER EXCEEDING WAC NR 720 ENFORCEMENT STANDARDS

 WATER TABLE LEVEL (3-15-17)

 MW-1 GROUNDWATER MONITORING WELL

 WELL SCREEN

 HP-1 HAND PROBE SOIL BORING

CROSS SECTION A-A'
 SCALE: VERTICAL 1" = 2'
 HORIZONTAL 1" = 10'


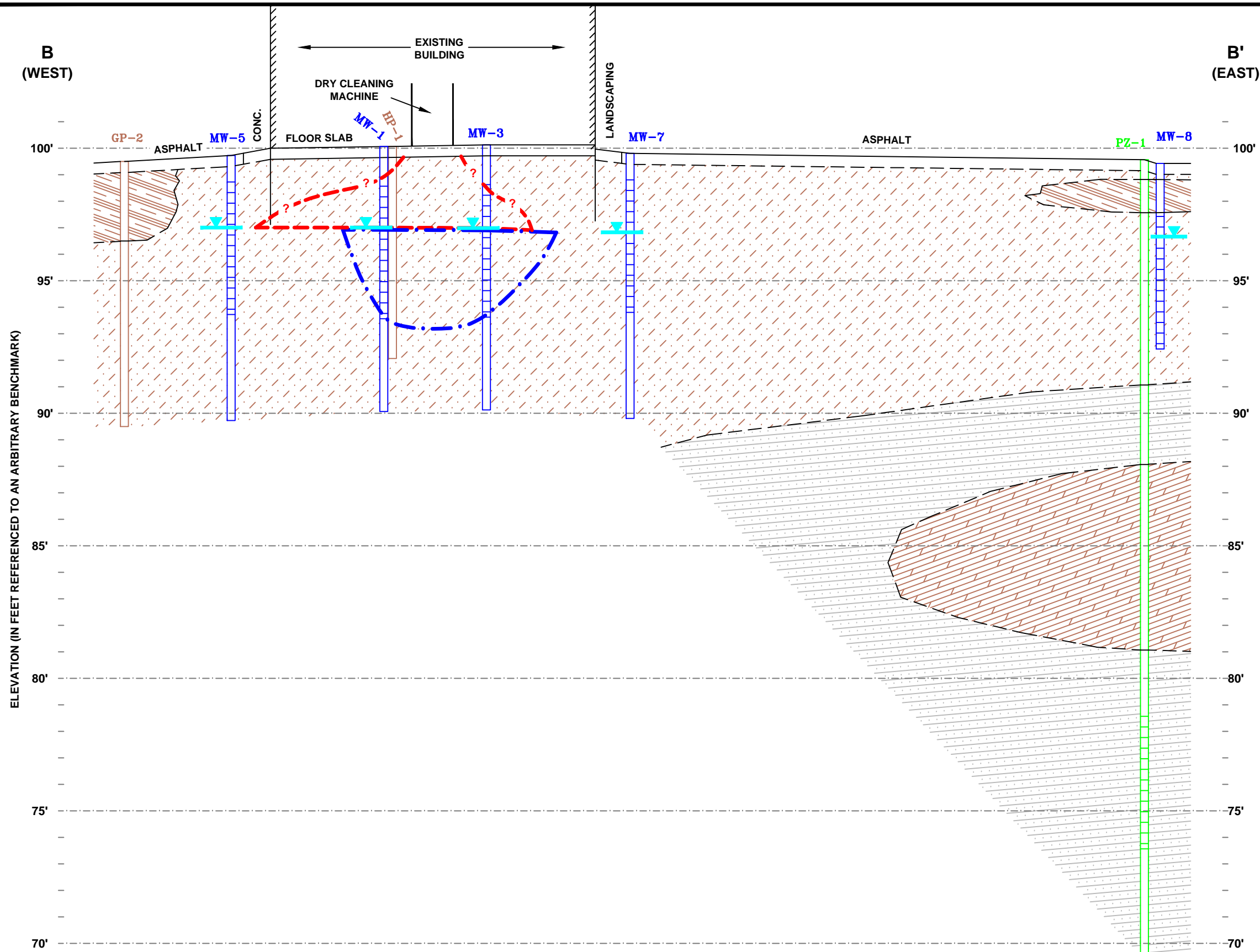
 GILES ENGINEERING ASSOCIATES, INC.
 N8 W22350 JOHNSON DRIVE, SUITE A1
 WAUKESHA, WI 53186 (262)544-0118

FIGURE 3A
 CROSS-SECTION A - A'
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	SEE TITLE	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023I	



SOIL KEY:

	BROWN SILTY CLAY
	BROWN TO DARK BROWN FINE TO MEDIUM SAND WITH VARRIABLE AMOUNTS OF SILT
	GRAY SILTY CLAY TO CLAY AND SILT
	BROWN CLAY
	SOIL CONTACT LINES ARE INFERRED

LEGEND:

	ESTIMATED EXTENT OF IMPACTED SOIL EXCEEDING NR 720 RCLs, SOIL TO GROUNDWATER PATHWAY
	ESTIMATED EXTENT OF IMPACTED GROUNDWATER EXCEEDING WAC NR 720 ENFORCEMENT STANDARDS
	PZ-1 PIEZOMETER
	MW-1 GROUNDWATER MONITORING WELL
	WELL SCREEN
	HP-1 HAND PROBE SOIL BORING
	GP-2 DIRECT-PUSH SOIL BORING
	WATER TABLE LEVEL (3-15-17)

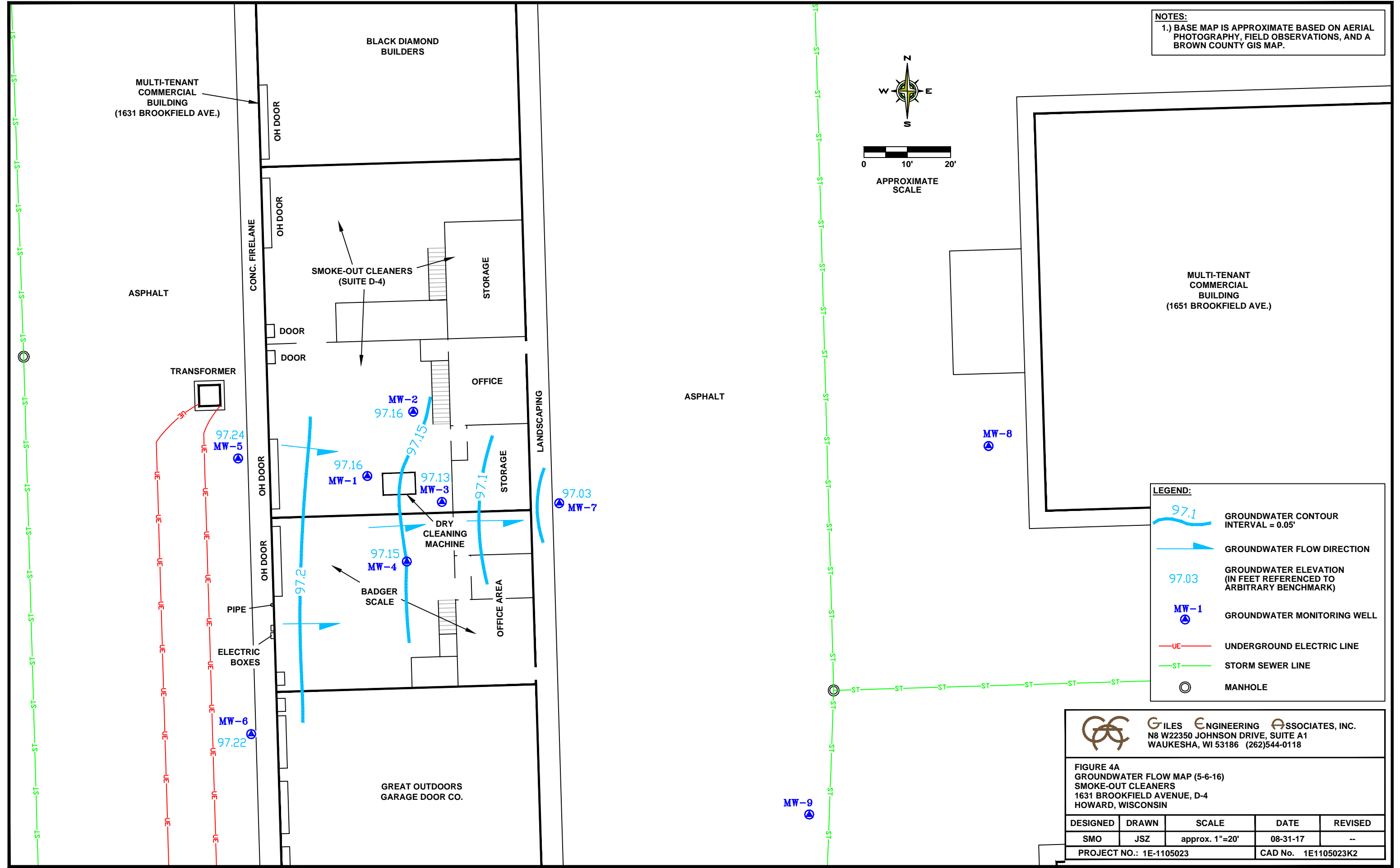
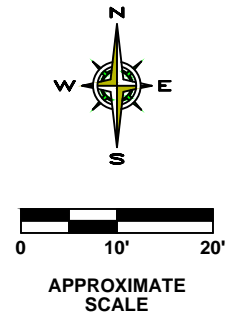
CROSS SECTION B-B'
 SCALE: VERTICAL 1" = 4'
 HORIZONTAL 1" = 20'

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FIGURE 3B
 CROSS-SECTION B - B'
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	SEE TITLE	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023J	

NOTES:
 1.) BASE MAP IS APPROXIMATE BASED ON AERIAL PHOTOGRAPHY, FIELD OBSERVATIONS, AND A BROWN COUNTY GIS MAP.



LEGEND:

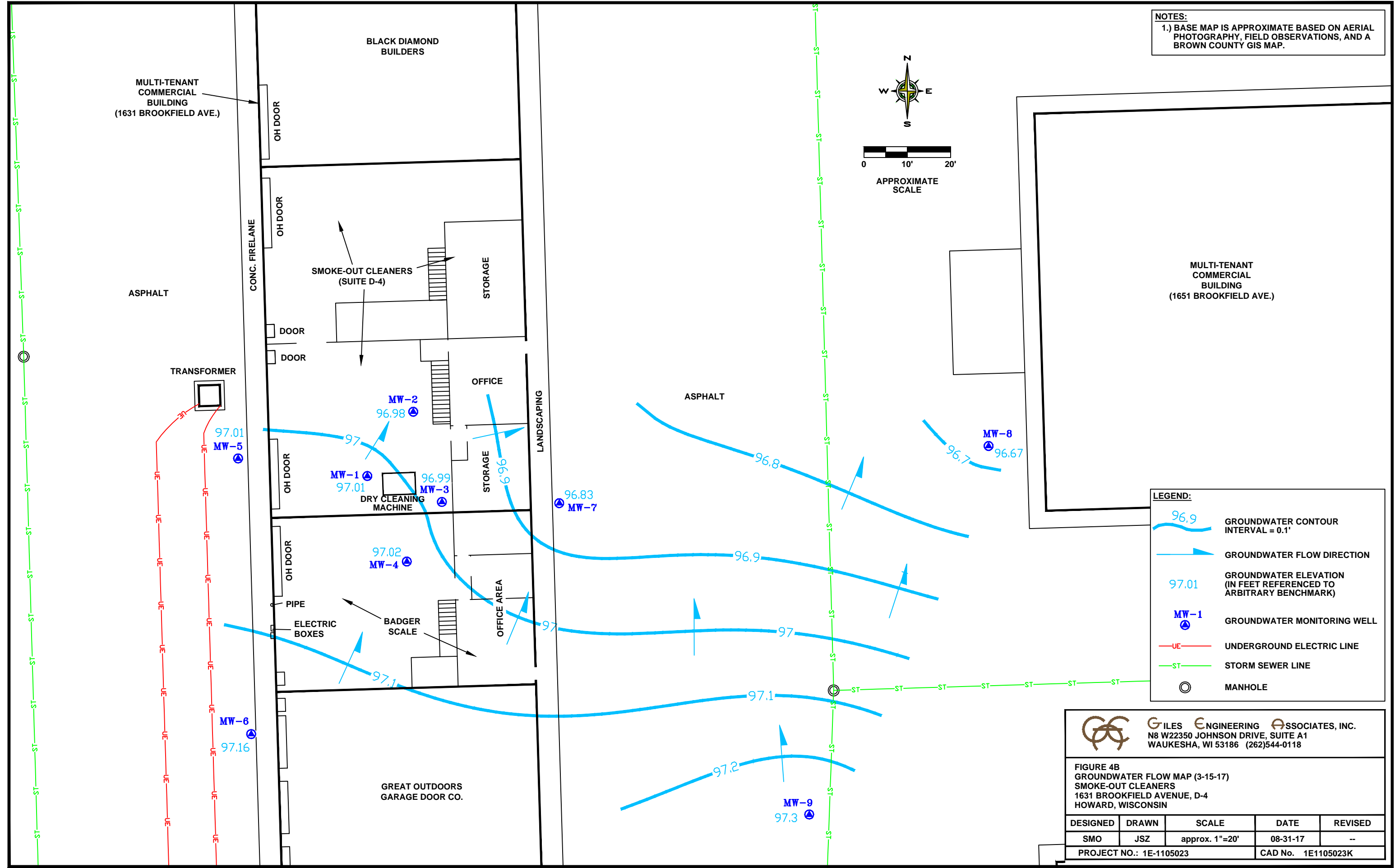
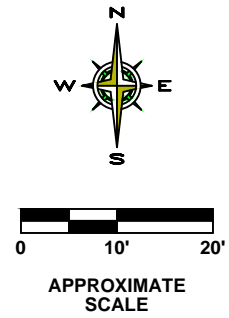
- 97.1 GROUNDWATER CONTOUR INTERVAL = 0.05'
- GROUNDWATER FLOW DIRECTION
- 97.03 GROUNDWATER ELEVATION (IN FEET REFERENCED TO ARBITRARY BENCHMARK)
- MW-1 GROUNDWATER MONITORING WELL
- UNDERGROUND ELECTRIC LINE
- STORM SEWER LINE
- MANHOLE

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 WAUKESHA, WI 53186 (262)544-0118

FIGURE 4A
 GROUNDWATER FLOW MAP (5-6-16)
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023K2	

NOTES:
 1.) BASE MAP IS APPROXIMATE BASED ON AERIAL PHOTOGRAPHY, FIELD OBSERVATIONS, AND A BROWN COUNTY GIS MAP.



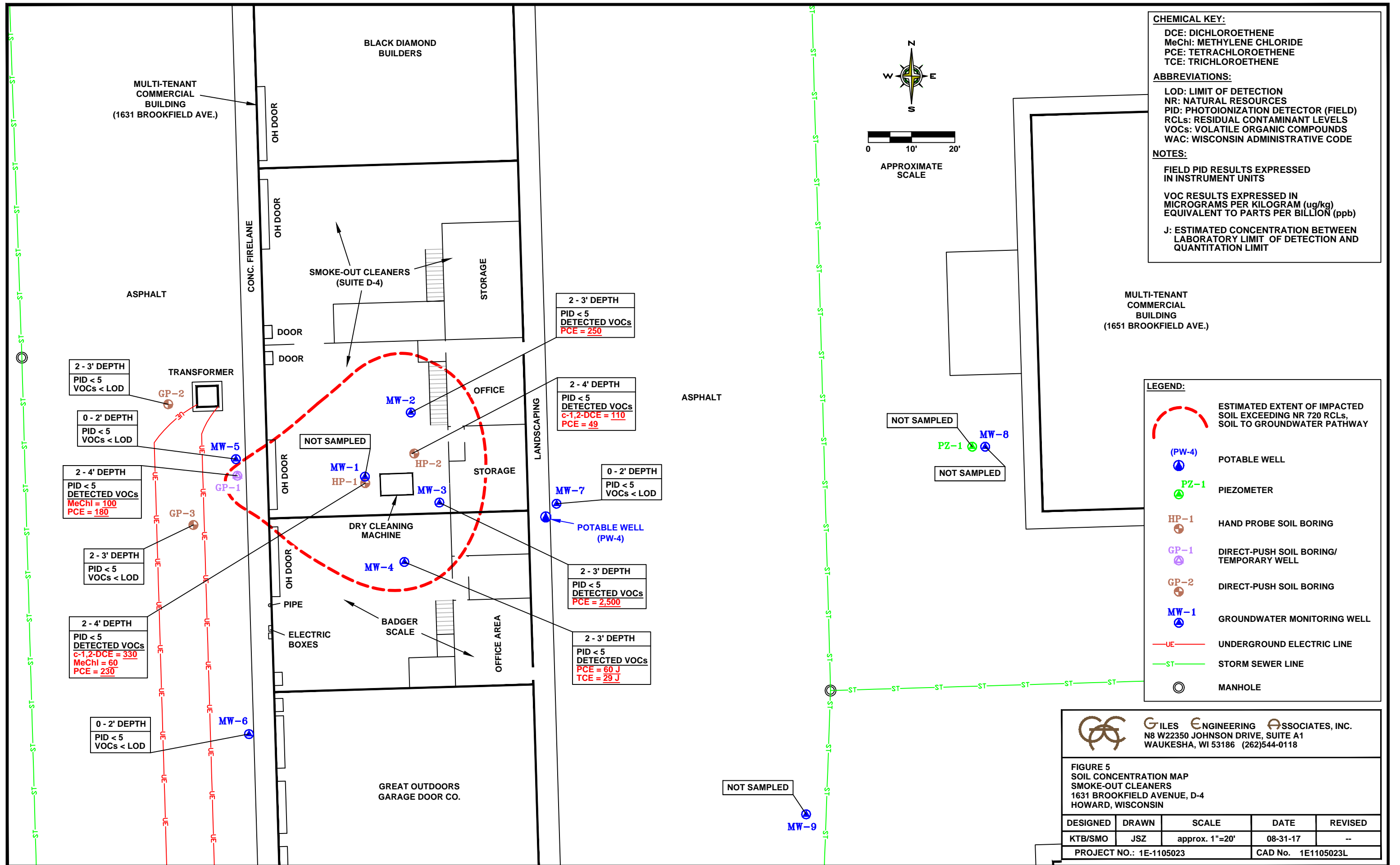
LEGEND:

- 96.9 GROUNDWATER CONTOUR INTERVAL = 0.1'
- GROUNDWATER FLOW DIRECTION
- 97.01 GROUNDWATER ELEVATION (IN FEET REFERENCED TO ARBITRARY BENCHMARK)
- MW-1 GROUNDWATER MONITORING WELL
- UNDERGROUND ELECTRIC LINE
- STORM SEWER LINE
- MANHOLE

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 WAUKESHA, WI 53186 (262)544-0118

FIGURE 4B
 GROUNDWATER FLOW MAP (3-15-17)
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN

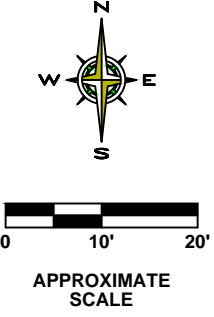
DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023K	



CHEMICAL KEY:
 DCE: DICHLOROETHENE
 MeChl: METHYLENE CHLORIDE
 PCE: TETRACHLOROETHENE
 TCE: TRICHLOROETHENE

ABBREVIATIONS:
 LOD: LIMIT OF DETECTION
 NR: NATURAL RESOURCES
 PID: PHOTOIONIZATION DETECTOR (FIELD)
 RCLs: RESIDUAL CONTAMINANT LEVELS
 VOCs: VOLATILE ORGANIC COMPOUNDS
 WAC: WISCONSIN ADMINISTRATIVE CODE

NOTES:
 FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS
 VOC RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)
 J: ESTIMATED CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT

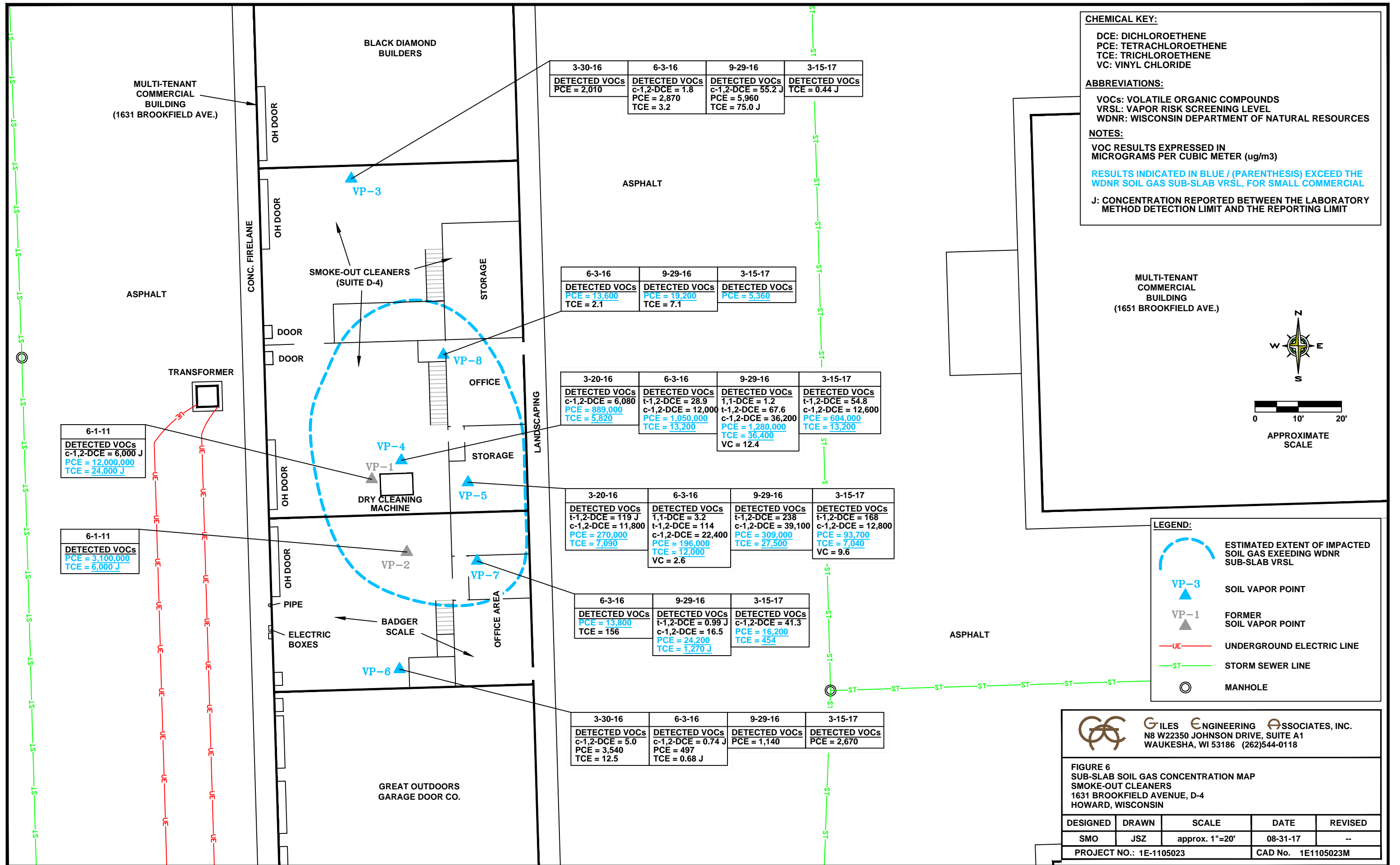


- LEGEND:**
- ESTIMATED EXTENT OF IMPACTED SOIL EXCEEDING NR 720 RCLs, SOIL TO GROUNDWATER PATHWAY
 - (PW-4) POTABLE WELL
 - PZ-1 PIEZOMETER
 - HP-1 HAND PROBE SOIL BORING
 - GP-1 DIRECT-PUSH SOIL BORING/ TEMPORARY WELL
 - GP-2 DIRECT-PUSH SOIL BORING
 - MW-1 GROUNDWATER MONITORING WELL
 - U-E UNDERGROUND ELECTRIC LINE
 - S-T STORM SEWER LINE
 - MANHOLE

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 WAUKESHA, WI 53186 (262)544-0118

**FIGURE 5
 SOIL CONCENTRATION MAP
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN**

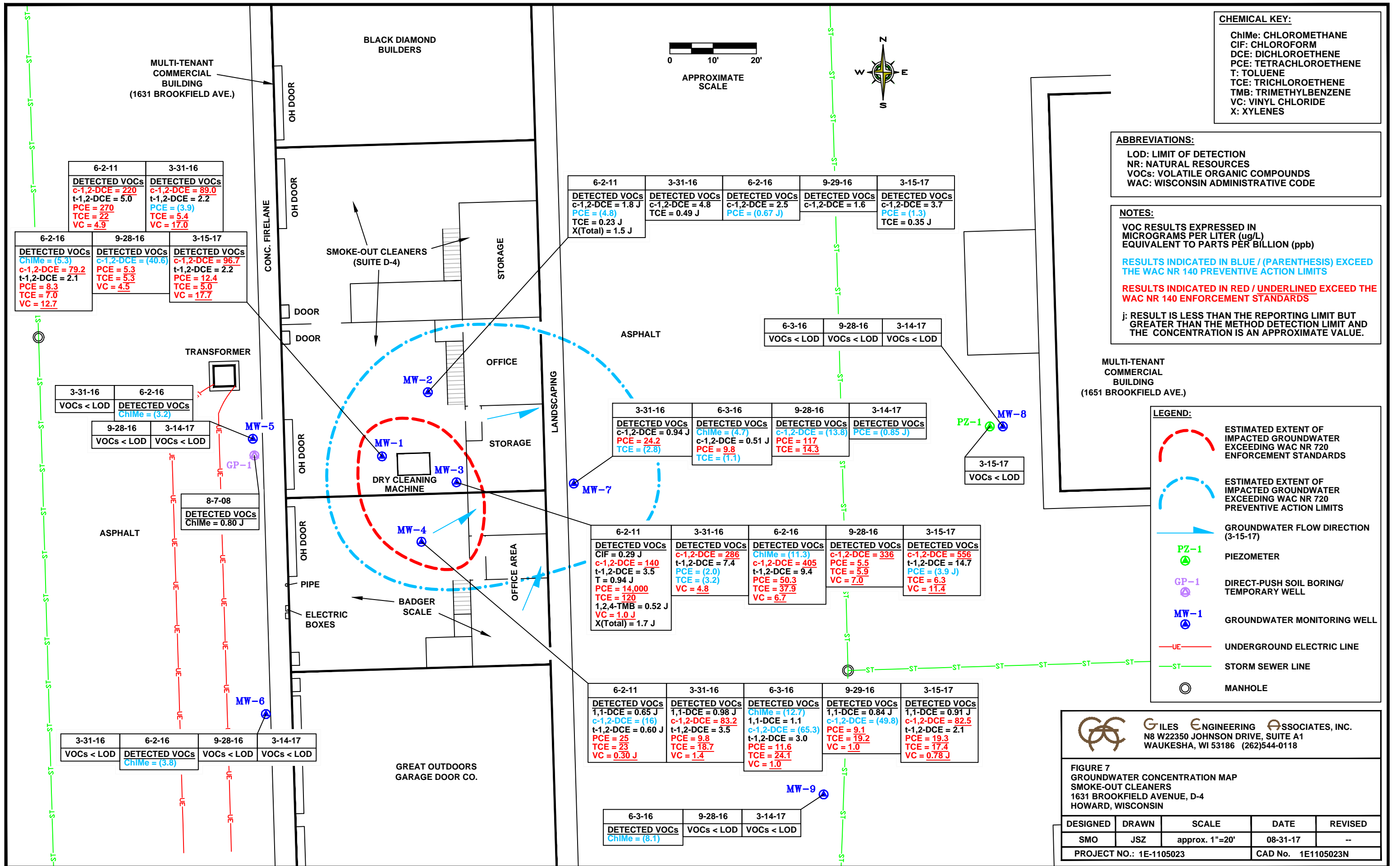
DESIGNED	DRAWN	SCALE	DATE	REVISED
KTB/SMO	JSZ	approx. 1"=20'	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023L	



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WAUKESHA, WI 53186 (262)544-0118

FIGURE 6
SUB-SLAB SOIL GAS CONCENTRATION MAP
SMOKE-OUT CLEANERS
1631 BROOKFIELD AVENUE, D-4
HOWARD, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023M	



CHEMICAL KEY:
 ChMe: CHLOROMETHANE
 ClF: CHLOROFORM
 DCE: DICHLOROETHENE
 T: TETRACHLOROETHENE
 T: TOLUENE
 TCE: TRICHLOROETHENE
 TMB: TRIMETHYLBENZENE
 VC: VINYL CHLORIDE
 X: XYLENES

ABBREVIATIONS:
 LOD: LIMIT OF DETECTION
 NR: NATURAL RESOURCES
 VOCs: VOLATILE ORGANIC COMPOUNDS
 WAC: WISCONSIN ADMINISTRATIVE CODE

NOTES:
 VOC RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/L) EQUIVALENT TO PARTS PER BILLION (ppb)
 RESULTS INDICATED IN BLUE / (PARENTHESIS) EXCEED THE WAC NR 140 PREVENTIVE ACTION LIMITS
 RESULTS INDICATED IN RED / UNDERLINED EXCEED THE WAC NR 140 ENFORCEMENT STANDARDS
 j: RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN THE METHOD DETECTION LIMIT AND THE CONCENTRATION IS AN APPROXIMATE VALUE.

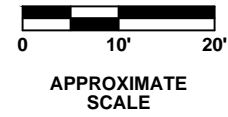
LEGEND:

- ESTIMATED EXTENT OF IMPACTED GROUNDWATER EXCEEDING WAC NR 720 ENFORCEMENT STANDARDS
- ESTIMATED EXTENT OF IMPACTED GROUNDWATER EXCEEDING WAC NR 720 PREVENTIVE ACTION LIMITS
- GROUNDWATER FLOW DIRECTION (3-15-17)
- PZ-1 PIEZOMETER
- GP-1 DIRECT-PUSH SOIL BORING/ TEMPORARY WELL
- MW-1 GROUNDWATER MONITORING WELL
- UE UNDERGROUND ELECTRIC LINE
- ST STORM SEWER LINE
- MANHOLE

GILES ENGINEERING ASSOCIATES, INC.
 N8 W22350 JOHNSON DRIVE, SUITE A1
 WAUKESHA, WI 53186 (262)544-0118

**FIGURE 7
 GROUNDWATER CONCENTRATION MAP
 SMOKE-OUT CLEANERS
 1631 BROOKFIELD AVENUE, D-4
 HOWARD, WISCONSIN**

DESIGNED	DRAWN	SCALE	DATE	REVISED
SMO	JSZ	approx. 1"=20'	08-31-17	--
PROJECT NO.: 1E-1105023			CAD No. 1E1105023N	



6-2-11	3-31-16
DETECTED VOCs c-1,2-DCE = 220 t-1,2-DCE = 5.0 PCE = 270 TCE = 22 VC = 4.9	DETECTED VOCs c-1,2-DCE = 89.0 t-1,2-DCE = 2.2 PCE = (3.9) TCE = 5.4 VC = 17.0

6-2-16	9-28-16	3-15-17
DETECTED VOCs ChMe = (5.3) c-1,2-DCE = 79.2 t-1,2-DCE = 2.1 PCE = 8.3 TCE = 7.0 VC = 12.7	DETECTED VOCs c-1,2-DCE = (40.6) PCE = 5.3 TCE = 5.3 VC = 4.5	DETECTED VOCs c-1,2-DCE = 96.7 t-1,2-DCE = 2.2 PCE = 12.4 TCE = 5.0 VC = 17.7

3-31-16	6-2-16
VOCs < LOD	DETECTED VOCs ChMe = (3.2)

9-28-16	3-14-17
VOCs < LOD	VOCs < LOD

3-31-16	6-2-16	9-28-16	3-14-17
VOCs < LOD	DETECTED VOCs ChMe = (3.8)	VOCs < LOD	VOCs < LOD

6-2-11	3-31-16	6-2-16	9-29-16	3-15-17
DETECTED VOCs c-1,2-DCE = 1.8 J PCE = (4.8) TCE = 0.23 J X(Total) = 1.5 J	DETECTED VOCs c-1,2-DCE = 4.8 TCE = 0.49 J	DETECTED VOCs c-1,2-DCE = 2.5 PCE = (0.67 J)	DETECTED VOCs c-1,2-DCE = 1.6	DETECTED VOCs c-1,2-DCE = 3.7 PCE = (1.3) TCE = 0.35 J

6-3-16	9-28-16	3-14-17
VOCs < LOD	VOCs < LOD	VOCs < LOD

3-31-16	6-3-16	9-28-16	3-14-17
DETECTED VOCs c-1,2-DCE = 0.94 J PCE = 24.2 TCE = (2.8)	DETECTED VOCs ChMe = (4.7) c-1,2-DCE = 0.51 J PCE = 9.8 TCE = (1.4)	DETECTED VOCs c-1,2-DCE = (13.8) PCE = 117 TCE = 14.3	DETECTED VOCs PCE = (0.85 J)

6-2-11	3-31-16	6-2-16	9-28-16	3-15-17
DETECTED VOCs ClF = 0.29 J c-1,2-DCE = 140 t-1,2-DCE = 3.5 T = 0.94 J PCE = 14,000 TCE = 120 1,2,4-TMB = 0.52 J VC = 1.0 J X(Total) = 1.7 J	DETECTED VOCs c-1,2-DCE = 286 t-1,2-DCE = 7.4 PCE = (2.0) TCE = (3.2) VC = 4.8	DETECTED VOCs ChMe = (11.3) c-1,2-DCE = 405 t-1,2-DCE = 9.4 PCE = 50.3 TCE = 37.9 VC = 6.7	DETECTED VOCs c-1,2-DCE = 336 PCE = 5.5 TCE = 5.9 VC = 7.0	DETECTED VOCs c-1,2-DCE = 556 t-1,2-DCE = 14.7 PCE = (3.9 J) TCE = 6.3 VC = 11.4

6-2-11	3-31-16	6-3-16	9-29-16	3-15-17
DETECTED VOCs 1,1-DCE = 0.65 J c-1,2-DCE = (16) t-1,2-DCE = 0.60 J PCE = 25 TCE = 23 VC = 0.30 J	DETECTED VOCs 1,1-DCE = 0.98 J c-1,2-DCE = 83.2 t-1,2-DCE = 3.5 PCE = 9.8 TCE = 18.7 VC = 1.4	DETECTED VOCs ChMe = (12.7) 1,1-DCE = 1.1 c-1,2-DCE = (65.3) t-1,2-DCE = 3.0 PCE = 11.6 TCE = 24.1 VC = 1.0	DETECTED VOCs 1,1-DCE = 0.84 J c-1,2-DCE = (49.8) PCE = 9.1 TCE = 19.2 VC = 1.0	DETECTED VOCs 1,1-DCE = 0.91 J c-1,2-DCE = 82.5 t-1,2-DCE = 2.1 PCE = 19.3 TCE = 17.4 VC = 0.78 J

6-3-16	9-28-16	3-14-17
DETECTED VOCs ChMe = (8.1)	VOCs < LOD	VOCs < LOD

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS
Smoke-Out Cleaners
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
1E-1105023

Analyte	Sample Location											NR 720 RCLs ¹ (µg/kg)	
	HP-1	HP-2	GP-1	GP-2	GP-3	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	Direct Contact Pathway (Non-Industrial)	Soil to Groundwater Pathway
Sample Depth (feet bgs)	2-4	2-4	2-4	2-3	2-3	2-3	2-3	2-3	0-2	0-2	0-2		
Sample Date	8/7/08	8/7/08	8/7/08	6/1/11	6/1/11	6/1/11	6/1/11	6/1/11	3/30/16	3/30/16	3/30/16		
Saturated / Unsaturated	U	U	S	S	S	U	U	U	U	U	U		
PID (instrument units)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5		
Detected VOCs (µg/kg)													
cis-1,2-Dichloroethene	330	110	<29	<28	<29	<29	<28	<27	<25	<25	<25	156,000	41.2
Methylene chloride	60	<58	100	<56	<57	<57	<55	<53	<25	<25	<25	61,800	2.6
Tetrachloroethene (PCE)	230	49	180	<28	<29	250	2,500	60 J	<25	<25	<25	33,000	4.5
Trichloroethene (TCE)	<30	<29	<29	<28	<29	<29	<28	29 J	<25	<25	<25	1,300	3.6
Calculated Direct Contact Cumulative Risk (unitless)													
Residential	Hazard Index	0.0097	0.006	0.007	0.006	0.006	0.0077	0.0282	0.006	0.005	0.005	0.005	1.0
	Cancer Risk	3.1 x 10 ⁻⁸	2.5 x 10 ⁻⁸	2.9 x 10 ⁻⁸	2.3 x 10 ⁻⁸	2.4 x 10 ⁻⁸	3.1 x 10 ⁻⁸	9.8 x 10 ⁻⁸	2.5 x 10 ⁻⁸	2.0 x 10 ⁻⁸	2.0 x 10 ⁻⁸	2.0 x 10 ⁻⁸	1 x 10⁻⁵
Industrial	Hazard Index	0.0017	0.0012	0.0015	0.0011	0.0012	0.0016	0.0056	0.0012	0.001	0.001	0.001	1.0
	Cancer Risk	5.2 x 10 ⁻⁹	3.8 x 10 ⁻⁹	4.8 x 10 ⁻⁹	3.6 x 10 ⁻⁹	3.7 x 10 ⁻⁹	5.2 x 10 ⁻⁹	2.1 x 10 ⁻⁸	3.9 x 10 ⁻⁹	3.2 x 10 ⁻⁹	3.2 x 10 ⁻⁹	3.2 x 10 ⁻⁹	1 x 10⁻⁵

Notes:

¹Natural Resources Chapter 720, Wisconsin Administrative Code generic Residual Contaminant Levels (RCLs) (Ch. NR 720) obtained from WDNR RCL Spreadsheet, updated March 2017

Direct contact RCLs do not apply to soil below 4 feet bgs.

µg/kg: micrograms per kilogram, equivalent to parts per billion

S: Saturated soil sample

U: Unsaturated soil sample

bgs: Below Ground Surface

VOC: Volatile Organic Compound

PID: Photoionization Detector

J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.

<xx.x: Analyte detected below its laboratory limit of detection

xx.x: Analyte detected above its direct contact RCL for industrial land use and/or groundwater protection

**TABLE 2
SUB-SLAB VAPOR ANALYTICAL RESULTS**

Smoke-Out Cleaners
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location														WDNR Soil Gas Sub-Slab VRSLs ¹ (µg/m ³) Small Commercial
	VP-1	VP-2	VP-3				VP-4				VP-5				
Sample Date	6/1/11	6/1/11	3/30/16	6/3/16	9/29/16	3/15/17	3/30/16	6/3/16	9/29/16	3/15/17	3/30/16	6/3/16	9/29/16	3/15/17	
Detected VOCs (µg/m³)															
1,1-Dichloroethene	<59,000	<16,000	<0.35	<0.34	<7.1	<0.34	<59.0	<0.34	1.2	<6.6	<59.0	3.2	<14.8	<6.9	29,000
trans-1,2-Dichloroethene	<59,000	<16,000	<0.57	<0.55	<11.4	<0.55	<95.2	28.9	67.6	54.8	119 J	114	238	168	NS
cis-1,2-Dichloroethene	6,000 J	<16,000	<0.37	1.8	55.2 J	<0.35	6,080	12,000	36,200	12,600	11,800	22,400	39,100	12,800	NS
Tetrachloroethene	12,000,000	3,100,000	2,010	2,870	5,960	<0.40	889,000	1,050,000	1,280,000	604,000	270,000	196,000	309,000	93,700	6,000
Trichloroethene	24,000 J	6,000 J	<0.41	3.2	75.0 J	0.44 J	5,820	13,200	36,400	13,200	7,090	12,000	27,500	7,040	290
Vinyl chloride	<38,000	<10,000	<0.29	<0.28	<5.8	<0.28	<48.4	<0.28	12.4	<5.4	<48.4	2.6	<12.1	9.6	930

Notes:

¹Wisconsin Department of Natural Resources (WDNR) Vapor Risk Screening Level (VRSL) for sub-slab soil gas with an applied attenuation factor of 0.03 for small commercial buildings (Source: "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin," WDNR Publication RR-800, Update: July 2012)

VOCs: Volatile Organic Compounds

µg/m³: Micrograms per cubic meter

J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.

-- : Not analyzed

NS: No Established Standard

<xx.x: Analyte detected below its laboratory limit of detection

xx.x: Analyte detected above VRSL for small commercial buildings with pertinent attenuation factor applied.

TABLE 2 (Continued)
SUB-SLAB VAPOR ANALYTICAL RESULTS

Smoke-Out Cleaners
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location									WDNR Soil Gas Sub-Slab VRSLs ¹ (µg/m ³) Small Commercial	
	VP-6				VP-7			VP-8			
Sample Date	3/30/16	6/3/16	9/29/16	3/15/17	6/3/16	9/29/16	3/15/17	6/3/16	9/29/16	3/15/17	
Detected VOCs (µg/m³)											
1,1-Dichloroethene	<0.35	<0.35	<0.35	<7.1	<0.38	<0.35	<6.6	<0.37	<0.34	<6.9	29,000
trans-1,2-Dichloroethene	<0.57	<0.57	<0.57	<11.4	<0.62	0.99 J	<10.7	<0.60	<0.55	<11.1	NS
cis-1,2-Dichloroethene	5.0	0.74 J	<0.37	<7.3	<0.40	16.5	41.3	<0.38	<0.35	<7.1	NS
Tetrachloroethene	3,540	497	1,140	2,670	13,800	24,200	16,200	13,600	19,200	5,360	6,000
Trichloroethene	12.5	0.68 J	<0.41	<8.2	156	1,270 J	454	2.1	7.1	<7.9	290
Vinyl chloride	<0.29	<0.29	<0.29	<5.8	<0.31	<0.29	<5.4	<0.30	<0.28	<5.6	930

Notes:

¹Wisconsin Department of Natural Resources (WDNR) Vapor Risk Screening Level (VRSL) for sub-slab soil gas with an applied attenuation factor of 0.03 for small commercial buildings (Source: "Addressing Vapor Intrusion at Remediation & Redevelopment Sites in Wisconsin," WDNR Publication RR-800, Update: July 2012)

VOCs: Volatile Organic Compounds

µg/m³: Micrograms per cubic meter

J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.

-- : Not analyzed

NS: No Established Standard

<xx.x: Analyte detected below its laboratory limit of detection

xx.x: Analyte detected above VRSL for small commercial buildings with pertinent attenuation factor applied.

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
SMOKE-OUT CLEANERS
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location															NR 140 ¹ PAL (µg/L)	NR 140 ¹ ES (µg/L)	
	GP-1	MW-1					MW-2					MW-3						
Sample Date	8/7/08	6/2/11	3/31/16	6/2/16	9/28/16	3/15/17	6/2/11	3/31/16	6/2/16	9/29/16	3/15/17	6/2/11	3/31/16	6/2/16	9/28/16	3/15/17		
Detected VOCs (µg/L)																		
Chloroform	<0.20	<0.20	<2.5	<2.5	<2.5	<2.5	<0.20	<2.5	<2.5	<2.5	<2.5	0.29 J	<2.5	<12.5	<10.0	<10.0	0.6	6.0
Chloromethane	0.80 J	<0.30	<0.50	(5.3)	<0.50	<0.50	<0.30	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	(11.3)	<2.0	<2.0	3	30
1,1-Dichloroethene	<0.50	<0.50	<0.24	<0.41	<0.41	<0.41	<0.50	<0.24	<0.41	<0.41	<0.41	<0.50	<0.24	<2.1	<1.6	<1.6	85	850
cis-1,2-Dichloroethene	<0.50	220	89.0	79.2	(40.6)	96.7	1.8 J	4.8	2.5	1.6	3.7	140	286	405	336	556	7	70
trans-1,2-Dichloroethene	<0.50	5.0	2.2	2.1	<0.26	2.2	<0.50	<0.26	<0.26	<0.26	<0.26	3.5	7.4	9.4	<1.0	14.7	20	100
Toluene	<0.50	<0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.94 J	<0.50	<2.5	<2.0	<2.0	160	800
Tetrachloroethene	<0.50	270	(3.9)	8.3	5.3	12.4	(4.8)	<0.50	(0.67 J)	<0.50	(1.3)	14,000	(2.0)	50.3	5.5	(3.9 J)	0.5	5
Trichloroethene	<0.20	22	5.4	7.0	5.3	5.0	0.23 J	0.49 J	<0.33	<0.33	0.35 J	120	(3.2)	37.9	5.9	6.3	0.5	5
1,2,4-Trimethylbenzene	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.50	<0.50	<0.50	<0.50	0.52 J	<0.50	<2.5	<2.0	<2.0	96	480
Vinyl chloride	<0.20	4.9	17.0	12.7	4.5	17.7	<0.20	<0.18	<0.18	<0.18	<0.18	1.0 J	4.8	6.7	7.0	11.4	0.02	0.2
Xylenes, total	<0.50	<0.50	<1.5	<1.5	<1.5	<1.5	1.5 J	<1.5	<1.5	<1.5	<1.5	1.7 J	<1.5	<7.5	<6.0	<6.0	400	2,000

Notes:

¹Wisconsin Administrative Code Natural Resources Chapter (NR) 140

VOCs: Volatile Organic Compounds

PAL: Preventive Action Limit

ES: Enforcement Standards

µg/L: Micrograms per Liter; equivalent to parts per billion (ppb)

J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.

NS: No Standard Established

<xx.x: Analyte detected below its laboratory limit of detection

(xx.x): Analyte detected above its NR 140 Preventative Action Limit

xx.x: Analyte detected above its NR 140 Enforcement Standard

TABLE 3 (Continued)
GROUNDWATER ANALYTICAL RESULTS
SMOKE-OUT CLEANERS
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location												NR 140 ¹ PAL (µg/L)	NR 140 ¹ ES (µg/L)	
	MW-4					MW-5				MW-6					
Sample Date	6/2/11	3/31/16	6/3/16	9/29/16	3/15/17	3/31/16	6/2/16	9/28/16	3/14/17	3/31/16	6/2/16	9/28/16	3/14/17		
Detected VOCs (µg/L)															
Chloroform	<0.20	<2.65	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.6	6.0
Chloromethane	<0.30	<0.50	(12.7)	<0.50	<0.50	<0.50	(3.2)	<0.50	<0.50	<0.50	(3.8)	<0.50	<0.50	3	30
1,1-Dichloroethene	0.65 J	0.98 J	1.1	0.84 J	0.91 J	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	85	850
cis-1,2-Dichloroethene	(16)	83.2	(65.3)	(49.8)	82.5	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	7	70
trans-1,2-Dichloroethene	0.60 J	3.5	3.0	<0.26	2.1	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	20	100
Toluene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	160	800
Tetrachloroethene	25	9.8	11.6	9.1	19.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	5
Trichloroethene	23	18.7	24.1	19.2	17.4	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.5	5
1,2,4-Trimethylbenzene	<0.20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	96	480
Vinyl chloride	0.30 J	1.4	1.0	1.0	0.78 J	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	0.02	0.2
Xylenes, total	<0.50	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	400	2,000

Notes:

¹Wisconsin Administrative Code Natural Resources Chapter (NR) 140

VOCs: Volatile Organic Compounds

PAL: Preventive Action Limit

ES: Enforcement Standards

µg/L: Micrograms per Liter; equivalent to parts per billion (ppb)

J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.

NS: No Standard Established

<xx.x: Analyte detected below its laboratory limit of detection

(xx.x): Analyte detected above its NR 140 Preventative Action Limit

xx.x: Analyte detected above its NR 140 Enforcement Standard

TABLE 3 (Continued)
GROUNDWATER ANALYTICAL RESULTS
SMOKE-OUT CLEANERS
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Analyte	Sample Location											NR 140 ¹ PAL (µg/L)	NR 140 ¹ ES (µg/L)
	MW-7				MW-8			MW-9			PZ-1		
Sample Date	3/31/16	6/3/16	9/28/16	3/14/17	6/3/16	9/28/16	3/14/17	6/3/16	9/28/16	3/14/17	3/15/17		
Detected VOCs (µg/L)													
Chloroform	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	0.6	6.0
Chloromethane	<0.50	(4.7)	<0.50	<0.50	<0.50	<0.50	<0.50	(8.1)	<5.0	<0.50	<0.50	3	30
1,1-Dichloroethene	<0.24	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	85	850
cis-1,2-Dichloroethene	0.94 J	0.51 J	(13.8)	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	7	70
trans-1,2-Dichloroethene	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	20	100
Toluene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	160	800
Tetrachloroethene	24.2	9.8	117	(0.85 J)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.5	5
Trichloroethene	(2.8)	(1.1)	14.3	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.5	5
1,2,4-Trimethylbenzene	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	96	480
Vinyl chloride	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	0.02	0.2
Xylenes, total	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	400	2,000

Notes:

¹Wisconsin Administrative Code Natural Resources Chapter (NR) 140

VOCs: Volatile Organic Compounds

PAL: Preventive Action Limit

ES: Enforcement Standards

µg/L: Micrograms per Liter; equivalent to parts per billion (ppb)

J: Analyte detected between its laboratory detection and quantitation limits and the result is estimated.

NS: No Standard Established

<xx.x: Analyte detected below its laboratory limit of detection

(xx.x): Analyte detected above its NR 140 Preventative Action Limit

xx.x: Analyte detected above its NR 140 Enforcement Standard

TABLE 4
GROUNDWATER ELEVATION SUMMARY
SMOKE-OUT CLEANERS
1631 Brookfield Avenue, Suite D-4
Howard, Wisconsin
Project No. 1E-1105023

Well ID	Elevation (TOC)*	Elevation Ground Surface	Well Depth	Screen Length	Groundwater Depth (TOC)	Calculated Groundwater Elevation	Date Groundwater Gauged
MW-1	99.92	100.07	7.00	5.00	3.01	96.91	6/1/11
					4.73	95.19	2/10/15
					1.32	98.60	3/31/16
					2.76	97.16	5/6/16
					2.63	97.29	6/2/16
					2.99	96.93	9/28/16
					2.91	97.01	3/15/17
MW-2	100.04	100.13	7.00	5.00	2.96	97.08	6/1/11
					4.84	95.20	2/10/15
					2.05	97.99	3/31/16
					2.88	97.16	5/6/16
					2.76	97.28	6/2/16
					3.16	96.88	9/29/16
					3.06	96.98	3/15/17
MW-3	99.94	100.10	7.00	5.00	3.00	96.94	6/1/11
					4.76	95.18	2/10/15
					1.97	97.97	3/31/16
					2.81	97.13	5/6/16
					2.66	97.28	6/2/16
					3.04	96.90	9/28/16
					2.95	96.99	3/15/17
MW-4	99.94	100.11	7.00	5.00	3.09	96.85	6/1/11
					4.83	95.11	2/10/15
					1.97	97.97	3/31/16
					2.79	97.15	5/6/16
					2.73	97.21	6/3/16
					3.08	96.86	9/29/16
					2.92	97.02	3/15/17
MW-5	99.57	99.73	6.00	5.00	1.32	98.25	3/31/16
					2.33	97.24	5/6/16
					2.21	97.36	6/2/16
					2.50	97.07	9/28/16
					2.56	97.01	3/14/17
MW-6	99.59	99.73	6.50	5.00	1.36	98.23	3/31/16
					2.37	97.22	5/6/16
					2.26	97.33	6/2/16
					2.58	97.01	9/28/16
					2.43	97.16	3/14/17
MW-7	99.69	99.81	6.50	5.00	1.46	98.23	3/31/16
					2.66	97.03	5/6/16
					2.60	97.09	6/3/16
					2.94	96.75	9/28/16
					2.86	96.83	3/14/17
MW-8	99.24	99.43	6.50	5.00	2.60	97.09	6/3/16
					2.70	96.99	9/28/16
					3.02	96.67	3/14/17
MW-9	98.88	99.11	6.50	5.00	2.06	97.63	6/3/16
					2.32	97.37	9/28/16
					2.39	97.30	3/14/17
PZ-1	99.47	99.57	26.31	5.00	11.61	88.08	3/15/17

Notes:

TOC: Top of Casing

All elevations were recorded in feet and referenced to an arbitrary 100 foot local benchmark (top of concrete at north side of the overhead door to the Smoke-Out unit, west side of the building)

APPENDIX A

**Site Deed, Legal Description,
Certified Survey Map**



Tx:40225374

WARRANTY DEED

Document Number

Document Name

THIS DEED, made between TEAM BAY, LLC ("Grantor," whether one or more), and ALLEN LEE INVESTMENTS, LLC ("Grantee," whether one or more).

Grantor, for a valuable consideration, conveys and warrants to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in BROWN County, State of Wisconsin ("Property") (if more space is needed, please attach addendum): SEE ATTACHED LEGAL DESCRIPTION AS EXHIBIT A

2755050 CATHY WILLIQUETTE LINDSAY BROWN COUNTY RECORDER GREEN BAY, WI RECORDED ON 08/16/2016 12:34 PM REC FEE: 30.00 TRANS FEE: 15900.00 EXEMPT # PAGES: 2

Recording Area

Name and Return Address

LIBERTY TITLE 107 N. BROADWAY GREEN BAY, WI 54303

43833

Handwritten initials '286'

VH-123 & VH-120

Parcel Identification Number (PIN)

This IS NOT homestead property. (is) (is not)

Exceptions to warranties:

ANY MUNICIPAL AND ZONING ORDINANCES, RECORDED EASEMENTS, BUILDING AND USE RESTRICTIONS AND COVENANTS AND GENERAL TAXES LEVIED IN THE YEAR OF CLOSING

Dated 8/11/16 Signature of Christopher Dockry

* CHRISTOPHER DOCKRY, MEMBER

Signature of Steven G. Ambrosius

* STEVEN G. AMBROSIOUS, MEMBER

Signature line for authentication

AUTHENTICATION

Signature line for acknowledgment

ACKNOWLEDGMENT

Signature(s) authenticated on

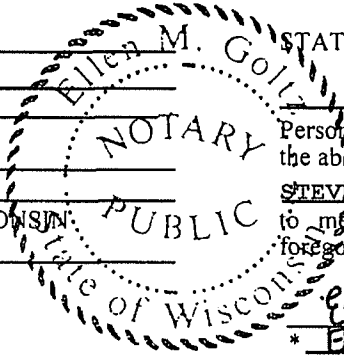
STATE OF WISCONSIN BROWN COUNTY ss. 8/11/16

TITLE: MEMBER STATE BAR OF WISCONSIN (If not, authorized by Wis. Stat. § 706.06)

Personally came before me on the above-named CHRISTOPHER DOCKRY AND STEVEN G. AMBROSIOUS to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

THIS INSTRUMENT DRAFTED BY: ATTY. TIMOTHY F. POLACK 107 N. BROADWAY, GREEN BAY, WI 54303

Notary Public, State of Wisconsin My Commission (is permanent) (expires: 4/10/20)



NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED. STATE BAR OF WISCONSIN FORM No. 2-2003

*Type name below signatures.

EXHIBIT "A"
LEGAL DESCRIPTION

File No.: 43833

Parcel I:

Lot One (1) of Volume 51 Certified Survey Maps, Page 125, Map No. 7482, said map being part of the Southeast Quarter of the Northwest Quarter (SE 1/4 of the NW 1/4) of Section 3, Township 24 North, Range 20 East, in the Village of Howard, Brown County, Wisconsin.

Parcel II:

The East One-half (E 1/2) of the Northwest Quarter (NE 1/4) of Section Three (3), Township Twenty-four (24) North, Range Twenty (20) East, in the Village of Howard, Brown County, Wisconsin, EXCEPT right-of-way of the Chicago and Northwestern Railroad Company, EXCEPT parts for highway and FURTHER EXCEPTING Volume 667 records 619, Jacket 2000 records, Image 28, Jacket 2303 records, Image 26 and Jacket 3799 records, Image 45, all in the Village of Howard, Brown County, Wisconsin, excepting therefrom that part described in Document No. 1828695 and except that part described in Document No. 1828696 and except Lot One (1), Volume 51 Certified Survey Maps, Page 125, Map No. 7482, being part of the Southeast Quarter of the Northwest Quarter (SE 1/4 of the NW 1/4), Section Three (3), Township Twenty-Four (24) North, Range Twenty (20) East, in the Village of Howard, Brown County, Wisconsin.

2250105

7482

CERTIFIED SURVEY MAP

Sheet 1 of 3

RETRACEMENT CERTIFIED SURVEY MAP OF THOSE LANDS AS DESCRIBED IN JACKET 17780 IMAGE 20

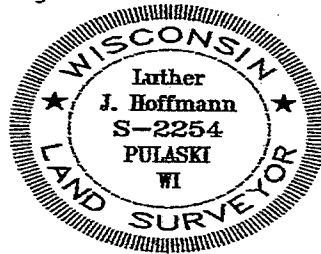
SURVEYOR'S CERTIFICATE
State of Wisconsin
County of Brown

SE 1/4 - NW 1/4, Section 3,
T24N, R20E, Village of Howard,
Brown County, Wisconsin.

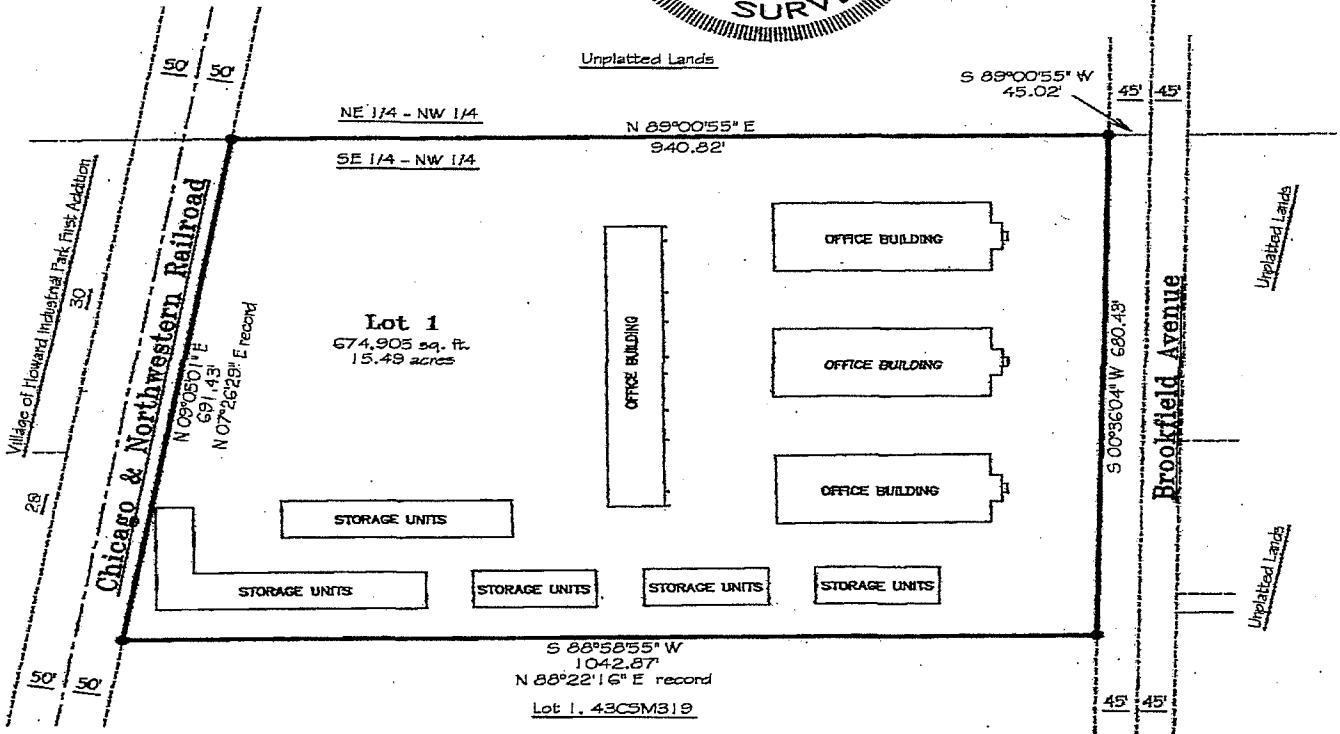
I hereby certify that I have surveyed and mapped
the lands described hereon, and that this map is a
true representation thereof, to the best of my knowledge.

N 1/4, Sec. 3,
T24N, R20E,
PK Nail

Dated this 8th day of August, 2005
Revised 4/10/06



Luther J. Hoffmann
Luther J. Hoffmann S - 2254



Legend

- ⊕ Brown County Monument
- 1" iron pipe recovered (unless noted)
- 1" x 2.4" iron pipe set
min. wt. = 1.15# / lin. ft.
(unless noted)

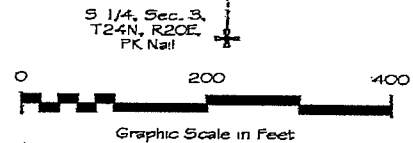
Bearings are referenced to the
North-South line of Section 3,
T24N-R20E, assumed to bear:

S 00°-36'-04" W

Notes

Record information is underlined.

Survey is based on Brown County
Surveyor's section summary.



HOFFMANN & ASSOCIATES, Inc.

300 SOUTH BROADWAY
PHONE (715) 758-7897
PHONE (920) 432-9020
FAX (715) 758-6505

Survey #05.0805.1 Mike Haverkom
Dir. M1.s03.t24.r20
Auto cad Drawing # chaverkronsenw.dwg

SURVEYOR'S CERTIFICATE:

I, Luther J. Hoffmann, Registered Land Surveyor, hereby certify that I have surveyed and mapped, as shown, a parcel of land that is not a division of property but solely a retracement and depiction of the land boundaries as described and recorded in Jacket 17780 Image 20, Brown County Records, being in part of the Southeast One-quarter of the Northwest One-quarter, Section 3, Township 24 North, Range 20 East, Village of Howard, Brown County, Wisconsin described as follows:

Commencing at the North One-quarter Corner of Section 3, (T24N-R20E);
Thence South 00 degrees 36 minutes 04 seconds West along the North-South One-quarter of section 3 a distance of 1312.76 feet;
Thence South 89 degrees 00 minutes 55 seconds West along the North line of the Southeast One-quarter of the Northwest One-quarter of Section 3 a distance of 45.02 feet to the Point of Beginning;
Thence South 00 degrees 36 minutes 04 seconds West along the West right-of-way line of Brookfield Avenue a distance of 680.43 feet;
Thence South 88 degrees 58 minutes 55 seconds West a distance of 1042.87 feet;
Thence North 09 degrees 05 minutes 01 seconds East along the East line of the Canadian National Railroad right-of-way line a distance of 691.43 feet;
Thence North 89 degrees 00 minutes 55 seconds East along the North line of the Southeast One-quarter of the Northwest One-quarter of Section 3 a distance of 940.82 feet to the Point of Beginning.

Parcel contains 674,905 square feet (15.49 acres) more or less.

I further certify that this map is a correct representation of the exterior boundaries of said described parcel. I also certify that I have made this survey by the order of the owner as listed hereon, and that I have fully complied with Chapter 236.34 of the Statutes of Wisconsin and the Brown County Subdivision Ordinances.

Dated this 5th day of August, 2005.

Reviewed *4/10/06*

[Signature]
Luther J. Hoffmann S2254



BROWN COUNTY PLANNING COMMISSION CERTIFICATE:

Resolved, that this Certified Survey Map is hereby approved by the Brown County Planning Commission dated this 12th day of APRIL, 2006.

[Signature]
Brown County Planning Commission
Peter Schleinzi
Senior Planner



2250105

Sheet 3 of 3

OWNER'S CERTIFICATE

As owners, Michael K. Haverkorn and Cindy L. Haverkorn, hereby certifies that we have caused the land described on hereon to be surveyed and mapped as represented on this Retracement Certified Survey Map. We also certify that this Retracement Certified Survey Map is required by S 236.34 of the Statutes of Wisconsin to be submitted to the Brown County for approval or objection in accordance with current Subdivision Ordinances.

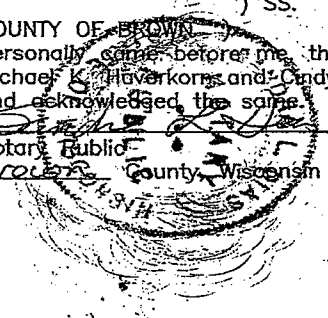
IN WITNESS WHEREOF, the said grantors have hereunto set their hands and seals this 3rd day of APRIL, 2006.

[Signature]
Michael K. Haverkorn
[Signature]
Cindy L. Haverkorn

STATE OF WISCONSIN)
) SS.

COUNTY OF BROWN)
Personally came before me this 3rd day of April, 2006, the above named, Michael K. Haverkorn and Cindy L. Haverkorn to me known to be the persons who executed the foregoing instrument and acknowledged the same.

[Signature]
Notary Public
Brown County, Wisconsin
My commission expires 4-13-08



REGISTER'S OFFICE
Brown Co. Wis.
Received for record the 12
day of April A.D. 2006
at 10:00 o'clock A. M.
and recorded in Vol. 51 of
Certified Survey Maps on Page 125
[Signature]
Register of Deeds 15.00



Revised 4/10/06
Dated this 5th day of August, 2005.

[Signature]
Luther J. Hoffmann S-2254

APPENDIX B

Soil Boring Logs (Form 4400-122)

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

Facility/Project Name <i>Smoke-Out Cleaners, Howard, WI</i>		License/Permit/Monitoring Number		Boring Number HP-1	
Boring Drilled By (Firm name and name of crew chief) <i>Giles Engineering Associates - Charles Rens</i>		Date Drilling Started <i>8/7/2008</i>		Date Drilling Completed <i>8/7/2008</i>	
Drilling Method <i>Direct Push</i>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane <i>SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E</i>		Local Grid Location (If applicable) Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		Borehole Diameter <i>2</i> Inches	
Facility ID		County <i>Brown</i>		County Code <i>05</i>	
				Civil Town/City/ or Village <i>Howard</i>	

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					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1-HP	24		0	5" Concrete				BDL							
			1	Brown fine to medium Sand-Moist	SP										
2-HP	24		2	Gray fine to medium Sand-Moist	SP			BDL							Soil sample submitted! VOC analysis
			3												
3-HP	24		4	Brown fine to medium Sand, trace fine Gravel and Sand-Wet	SP			BDL							
			5												
4-HP	12		6					BDL							
			7												
			8	Boring Terminated at 8 Feet											
				PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit NOTE: Test boring backfilled with											

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

Signature <i>Greg Renshaw</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
----------------------------------	--	--

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

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

Facility/Project Name <i>Smoke Out Cleaners, Howard, WI</i>		License/Permit/Monitoring Number		Boring Number HP-2	
Boring Drilled By (Firm name and name of crew chief) <i>Giles Engineering Associates, Inc. - Charles Rens</i>		Date Drilling Started <i>8/7/2008</i>		Date Drilling Completed <i>8/7/2008</i>	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane <i>SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E</i>		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Facility ID		County <i>Brown</i>		County Code <i>05</i>	
		Civil Town/City/ or Village <i>Howard</i>		Borehole Diameter <i>2</i> Inches	

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						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1-HH	24		1	5" Concrete				BDL							Soil sample submitted for laboratory analysis
				Brown fine to medium Sand-Moist	SP										
2-HH	24		2	Brown fine to medium Sand-Moist				BDL							
					SP										
3-HH	24		4	Brown fine to medium Sand-Wet				BDL							
					SP										
4-HH	12		6					BDL							
			8	Boring Terminated at 8 Feet											
				PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit NOTE: Test boring backfilled with											

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

Signature <i>Dreg Roarkowicz</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <i>Smoke-Out Cleaners, Howard, WI</i>		License/Permit/Monitoring Number		Boring Number GP-1	
Boring Drilled By (Firm name and name of crew chief) <i>Giles Engineering Associates, Inc. - Charles Rens</i>		Date Drilling Started <i>8/7/2008</i>		Date Drilling Completed <i>8/7/2008</i>	
Drilling Method <i>Direct Push</i>		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane <i>SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E</i>		Local Grid Location (If applicable) Lat. _____ ' _____ '' Long. _____ ' _____ ''		Borehole Diameter <i>2</i> Inches	
Facility ID		County <i>Brown</i>		Civil Town/City/ or Village <i>Howard</i>	
		County Code <i>05</i>			

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						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1-SS	24		1	Brown Black fine to medium Sand-Moist				BDL							
2-SS	24		2		SP			BDL							Soil sample submitted for VOC anal
3-SS	24		4	Brown fine to medium Sand-Wet				BDL							
4-SS	24		6	Brown fine to medium Sand-Wet				BDL							
5-SS	24		8		SP			BDL							
6-SS	12		10					BDL							
			12												

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

Signature <i>Charles Rens</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners - 1E-1105023			License/Permit/Monitoring Number		Boring Number GP-2		
Boring Drilled By (Firm name and name of crew chief) Giles Engineering Associates, Inc. - Beauford Jones			Date Drilling Started 6/1/2011		Date Drilling Completed 6/1/2011		
Drilling Method Geo Probe			WI Unique Well No.		DNR Well ID No.		
Common Well Name			Final Static Water Level Feet MSL		Surface Elevation Feet MSL		
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane S/C/N			Local Grid Location (If applicable)		Borehole Diameter 2.0 Inches		
SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E			Lat. _____"		Feet <input type="checkbox"/> N <input type="checkbox"/> E		
			Long. _____"		Feet <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID		County Brown		County Code 5		Civil Town/City/ or Village Howard	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
	12		0	Brown fine to medium Silty Clay (Fill)-Moist											
	24		1		CL										
	24		3	Dark Brown fine to medium Sand	SM										
	24		4	Brown fine to medium Sand											
	24		5												
	24		7		SM										
	12		9												
			10	Boring Terminated at 10 Feet											

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

Signature <i>Beauford Jones</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <i>Smoke-out Cleaners</i>		License/Permit/Monitoring Number		Boring Number	
1631 Brookfield Avenue, Suite D-4				GP-3	
Boring Drilled By (Firm name and name of crew chief)			Date Drilling Started	Date Drilling Completed	Drilling Method
Giles Engineering Associates, Inc. - Beauford Jones			6/1/2011	6/1/2011	Geo Probe
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
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>)			Local Grid Location (If applicable)		
State Plane <i>SLE</i> 1/4 of <i>NW</i> 1/4 of Section <i>3</i> , T <i>24</i> N, R <i>20</i> E			S/C/N Lat. _____ " _____ "		
			Long. _____ " _____ "		
Facility ID		County	County Code	Civil Town/City/ or Village	
		Brown	5	Howard	

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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	12			Brown fine to medium Sand (Fill)-Moist										
	24		1		SM									
	24		3	Brown fine to medium Sandy Silt	SM									
	24		5	Brown fine to medium Sand										
	24		7		SM									
	12		9											
			10	Boring Terminated at 10 Feet										

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

Signature <i>Greg Roakhus</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <i>Smoke-out Cleaners</i> 1631 Brookfield Avenue - 1E-1105023		License/Permit/Monitoring Number		Boring Number MW-1	
Boring Drilled By (Firm name and name of crew chief) Giles Engineering Associates, Inc. - Beauford Jones		Date Drilling Started 6/1/2011		Date Drilling Completed 6/1/2011	
Drilling Method Geo Probe		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane <i>SE</i> 1/4 of <i>NW</i> 1/4 of Section <i>3</i> , T <i>24</i> N, R <i>26</i> E		Local Grid Location (If applicable) Lat. _____ " _____ " Long. _____ " _____ "		<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Borehole Diameter 3.25 inches		Facility ID		County Brown	
County Code 5		Civil Town/City/ or Village Howard			

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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1	Blind Drill										
			2											
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											
				Boring Terminated at 10 Feet										

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

Signature <i>Ben Rowles</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <i>Smoke-Out Cleaners</i> 1631 Brookfield Avenue - 1E-1105023		License/Permit/Monitoring Number		Boring Number MW-2	
Boring Drilled By (Firm name and name of crew chief) Giles Engineering Associates, Inc. - Beauford Jones		Date Drilling Started 6/1/2011		Date Drilling Completed 6/1/2011	
Drilling Method Geo Probe		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane <i>SE</i> 1/4 of <i>NW</i> 1/4 of Section <i>3</i> , T <i>24</i> N, R <i>20</i> E		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		Borehole Diameter 3.25 Inches	
Facility ID		County Brown		County Code 5	
				Civil Town/City/ or Village Howard	

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					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
	12			Brown fine to medium Sandy Silt-Moist											
	24		1		ML										
	24		3	Dark Brown fine to medium Sandy Silt	SM										
	24		4	Brown fine to medium Sand											
	24		5												
	24		6												
	24		7		SM										
	24		8												
	12		9												
			10	Boring Terminated at 10 Feet											

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

Signature <i>Greg Rose</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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

Facility/Project Name <i>Smoke-out Cleaners</i> 1631 Brookfield Avenue, Suite D-4		License/Permit/Monitoring Number		Boring Number MW-3	
Boring Drilled By (Firm name and name of crew chief) Giles Engineering Associates, Inc. - Beauford Jones		Date Drilling Started 6/1/2011		Date Drilling Completed 6/1/2011	
Drilling Method Geo Probe		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
WI Unique Well No.	DNR Well ID No.	Common Well Name	Borehole Diameter 3.25 Inches		
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E			Local Grid Location (If applicable) Lat. _____ " <input type="checkbox"/> N <input type="checkbox"/> E Long. _____ " <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID	County Brown	County Code 5	Civil Town/City/ or Village Howard		

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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	12			Brown fine to medium Sand-Moist										
	24		1		SM									
	24		3											
	24		4	Brown-Black fine to medium Sandy Silt	SM									
	24		5	Brown fine to medium Sand										
	24		7		SM									
	12		9											
			10	Boring Terminated at 10 Feet										

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

Signature <i>Beauford Jones</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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

Facility/Project Name <i>Smoke-out Cleaners</i> 1631 Brookfield Avenue, Suite D-4		License/Permit/Monitoring Number		Boring Number MW-4	
Boring Drilled By (Firm name and name of crew chief) Giles Engineering Associates, Inc. - Beauford Jones		Date Drilling Started 6/1/2011		Date Drilling Completed 6/1/2011	
Drilling Method Geo Probe		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane <i>SE</i> 1/4 of <i>NW</i> 1/4 of Section <i>3</i> , T <i>24</i> N, R <i>20</i> E		Local Grid Location (If applicable)		Borehole Diameter 3.25 Inches	
Lat. _____ " <input type="checkbox"/> N <input type="checkbox"/> E		Long. _____ " <input type="checkbox"/> S <input type="checkbox"/> W		Facility ID	
County Brown		County Code 5		Civil Town/City/ or Village Howard	

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						RQD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
	12			Brown fine to medium Sandy Silt-Moist											
	24		1		SM										
	24		3	Dark Brown fine to medium Sandy Silt	SM										
	24		4	Brown fine to medium Sand											
	24		5												
	24		6												
	24		7		SM										
	24		8												
	12		9												
			10	Boring Terminated at 10 Feet											

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

Signature <i>Greg Coulter</i>	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive, Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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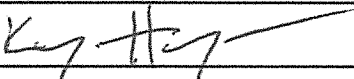
This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completions of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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

Facility/Project Name Smoke-Out Cleaners		License/Permit/Monitoring Number		Boring Number MW-5	
Boring Drilled By: Name of crew chief (first, last) and Firm Jim Blair - Giles Engineering Assoc.			Date Drilling Started 3/30/2016	Date Drilling Completed 3/30/2016	Drilling Method DP
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 3.25 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N			Local Grid Location		
SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E			Lat _____ "	Long _____ "	<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County Brown	County Code 5	Civil Town/City/ or Village Howard		

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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
60/26.4			1	Asphalt and coarse to very coarse Sand and fine Gravel (Base Course)				0						Sampled 0-2 feet
			1	Brown fine to medium Sand - Moist	SP									
			2	Dark Brown to Brown fine to medium Sand - Moist										
			3		SP									
			4											
60/45.6			5	Wet at 5 feet				0						
			6											
			7	color became Reddish Brown at 7 feet										
			8											
			9											
			10	Set well at 6 feet with 5 foot screen										

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

Signature  Firm **Giles Engineering Associates, Inc.** Tel: 262-544-0111
N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186 Fax: 262-549-5868

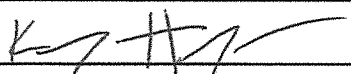
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners			License/Permit/Monitoring Number		Boring Number MW-6		
Boring Drilled By: Name of crew chief (first, last) and Firm Jim Blair - Giles Engineering Associates			Date Drilling Started 3/30/2016		Date Drilling Completed 3/30/2016		
WI Unique Well No.			DNR Well ID No.		Common Well Name		
Final Static Water Level Feet MSL			Surface Elevation Feet MSL		Borehole Diameter 3.25 inches		
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			State Plane N, E S/C/N		Local Grid Location		
SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E			Lat _____ " _____ "		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
Facility ID		County Brown		County Code 5		Civil Town/City/ or Village Howard	

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					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
60/21.6			0	Asphalt and coarse Sand and fine Gravel (Base Course)				0							Sampled 0-2 feet
			1	Brown fine to medium Sand - Very Moist											
			2												
			3												
			4												
			5	Wet at 4½ feet				0							
60/31.2			6												
			7												
			8												
			9												
			10	Set well at 7 feet with 5 foot screen											

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

Signature 	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186	Tel: 262-544-0111 Fax: 262-549-5861
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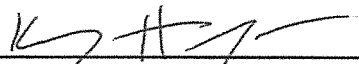
This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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

Facility/Project Name Smoke-Out Cleaners			License/Permit/Monitoring Number		Boring Number MW-7		
Boring Drilled By: Name of crew chief (first, last) and Firm Jim Blair - Giles Engineering Associates			Date Drilling Started 3/30/2016		Date Drilling Completed 3/30/2016		
WI Unique Well No.			DNR Well ID No.		Common Well Name		
Final Static Water Level Feet MSL			Surface Elevation Feet MSL		Borehole Diameter 3.25 inches		
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N			Lat _____ ' _____ "		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W		
SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E			Long _____ ' _____ "				
Facility ID		County Brown		County Code 5		Civil Town/City/ or Village Howard	

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					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
60/31.2			0	Asphalt and coarse Sand and fine Gravel (Base Course)				0							Sampled 0-2 feet
			1	Brown fine to medium Sand - Moist											
			2	Color became Orange to Brown at 2 feet	SP										
			3												
			4												
	60/60		5	Wet at 5 feet				0							
			6												
			7												
			8												
			9	Color became Gray to Brown at 9 feet											
			10	Set well at 6 feet with 5 foot screen											

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

Signature 	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186	Tel: 262-544-0111 Fax: 262-549-5861
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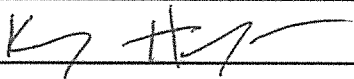
This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

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

Facility/Project Name Smoke-Out Cleaners		License/Permit/Monitoring Number		Boring Number MW-8	
Boring Drilled By: Name of crew chief (first, last) and Firm Jim Blair - Giles Engineering Associates			Date Drilling Started 6/2/2016	Date Drilling Completed 6/2/2016	Drilling Method DP
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 3.25 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E			Lat _____"	<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Brown	County Code 5	Civil Town/City/ or Village Howard	

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						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
60/30 24/24			0	Asphalt				0.5							
			1	Brown fine Sand and coarse Gravel - Dry Brown Clayey Silt, and Silt - Moist	EW										
			2	Brown fine Sand - Moist	ML				0.5						
			3												
			4				SP			0.8					
			5	Wet at 5 feet											
			7	Color became Grayish Brown at 6.5 feet.						0.8					
8	Boring terminated at 7 feet Set well with 5 foot screen														
9															
10															

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

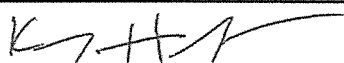
Signature 	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners		License/Permit/Monitoring Number		Boring Number MW-9	
Boring Drilled By: Name of crew chief (first, last) and Firm Jim Blair - Giles Engineering Associates		Date Drilling Started 6/2/2016		Date Drilling Completed 6/2/2016	
WI Unique Well No.		DNR Well ID No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 3.25 inches	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
SE 1/4 of NW 1/4 of Section 3, T 24 N. R. 20 E		Lat _____' _____"		Long _____' _____"	
Facility ID		County Brown		County Code 5	
				Civil Town/City/ or Village Howard	

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					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
60/34.8			0	Asphalt				1.0						
			1	Tan fine Sand, some coarse Gravel - Dry	GW									
60/19.2			2	Brown becoming Dark Brown Silty fine Sand - Moist	SM									
			3	Brown fine Sand - Moist				1.0						
			4	Wet at 2.7 feet.	SP				1.1					
			5					1.2						
			7	Boring terminated at 7 feet Set well with 5 foot screen										
			6											
			7											
			8											
			9											
			10											

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

Signature 	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5866
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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners - 1E-1105023 Howard, WI			License/Permit/Monitoring Number		Boring Number PZ-1	
Boring Drilled By (Firm name and name of crew chief) Giles Engineering Associates, Inc.			Date Drilling Started 3/14/2017		Date Drilling Completed 3/14/2017	
Drilling Method Direct Push			WI Unique Well No.		DNR Well ID No.	
Common Well Name			Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Borehole Diameter 3.25 Inches			Boring Location or Local Grid Origin (Check if estimated: <input type="checkbox"/>) State Plane SE 1/4 of NW 1/4 of Section 3, T 24 N, R 20 E S/C/N Lat. _____ ' _____ " Long. _____ ' _____ "			
Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W				Facility ID		
County Brown		County Code 5		Civil Town/City/ or Village Howard		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
DP-1	60/28.8		1	Asphalt										
			2	Brown fine Sand and coarse Gravel - Dry	GW									
			3	Alternating layers of Brown Silty Clay and Silty fine Sand - Moist	SM			0.4						
DP-2	60/46.8		4	Brown fine Sand - Wet										
			5			SP			0.4					
			6											
			7											
			8	Color became Gray										
			9	Gray Silty Clay to Clay and Silt - Wet	CH					0.3				
			10	Grayish Brown Silty Clay - Very Moist	CH									
			11		CH					0.4				
			12	Grayish Brown Clay - Moist										

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

Signature 	Firm Giles Engineering Associates, Inc. N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186	Tel: 262-544-0118 Fax: 262-549-5868
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APPENDIX C

Well/Drillhole/Borehole Abandonment Documentation (Form3300-5)

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION		(2) FACILITY/OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County	Facility Name
_____	_____	BROWN	Commercial Smoke-Out Cleaners
Common Well Name <u>HP-1</u> Gov't Lot (If applicable) _____		Facility ID	License/Permit/Monitoring No.
SE 1/4 of NW 1/4 of Sec. 3 ; T. 24 N; R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Street Address of Well	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		1631 Brookfield Avenue, D-4	
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		City, Village, or Town	
Lat. _____ Long _____ or _____		Green Bay Howard	
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone _____		Present Well Owner	Original Owner
Reason For Abandonment		Mark Woppert	Same
Sampling Completed	WI Unique Well No. of Replacement Well _____	Street Address or Route of Owner	
		1631 Brookfield Avenue	
		City, State, Zip Code	
		Green Bay Howard WI	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date <u>8/7/2008</u>	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Monitoring Well	Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Water Well	Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input checked="" type="checkbox"/> Borehole / Drillhole	Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If a Well Construction Report is available, please attach.	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type:	Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug	Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Other (Specify) <u>GeoProbe</u>	If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type:	Required Method of Placing Sealing Material
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped
Total Well Depth (ft.) <u>8</u> Casing Diameter (in.) _____	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain) Gravity
(From ground surface) Casing Depth (ft.) _____	Sealing Materials
Lower Drillhole Diameter (in.) _____	<input type="checkbox"/> Neat Cement Grout
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Sand-Cement (Concrete) Grout
If Yes, To What Depth? _____ Feet	<input type="checkbox"/> Concrete
Depth to Water (Feet) _____	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
	<input type="checkbox"/> Bentonite-Sand Slurry " "
	<input type="checkbox"/> Bentonite Chips
	For monitoring wells and monitoring well boreholes only
	<input type="checkbox"/> Bentonite Chips
	<input checked="" type="checkbox"/> Granular Bentonite
	<input type="checkbox"/> Bentonite - Cement Grout
	<input type="checkbox"/> Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Concrete	Surface	0.3	0.1	
Bentonite Crumbles	0.3	8	0.34	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment
Giles Engineering Associates, Inc.		8/7/2008
Signature of Person Doing Work	Date Signed	
	8/18/08	
Street or Route	Telephone Number	
N8 W22350 Johnson Drive	(262) 544-0118	
City, State, Zip Code		
Waukesha WI 53186-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION		(2) FACILITY / OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County	Facility Name
		BROWN	Commercial - Smoke-Out Cleaners
Common Well Name HP-2		Gov't Lot (If applicable)	Facility ID
SE 1/4 of NW 1/4 of Sec. 3		T. 24 N; R. 20	License/Permit/Monitoring No.
Grid Location			Street Address of Well
_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			1631 Brookfield Avenue, D-4
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>			City, Village, or Town
Lat. _____ " Long _____ " or _____ " _____ "			Green Bay Howard
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			Present Well Owner
Reason For Abandonment		WI Unique Well No.	Original Owner
Sampling Completed		of Replacement Well _____	Mark Woppert
			Street Address or Route of Owner
			1631 Brookfield Avenue
			City, State, Zip Code
			Green Bay Howard WI

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date 8/7/2008		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Water Well		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If a Well Construction Report is available, please attach.		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type:		Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input checked="" type="checkbox"/> Other (Specify) GeoProbe		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type:		Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth (ft.) 8		<input type="checkbox"/> Screened & Poured (Bentonite Chips)	
Casing Diameter (in.) _____		<input checked="" type="checkbox"/> Other (Explain) Gravity	
(From ground surface) Casing Depth (ft.) _____		Sealing Materials	
Lower Drillhole Diameter (in.) _____		For monitoring wells and monitoring well boreholes only	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Neat Cement Grout	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
Depth to Water (Feet) _____		<input type="checkbox"/> Concrete	
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Bentonite Chips	
		<input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Bentonite - Sand Slurry	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Concrete	Surface	0.3	0.1	
Bentonite Crumbles	0.3	8	0.34	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment
Giles Engineering Associates, Inc.		8/7/2008
Signature of Person Doing Work		Date Signed
<i>[Signature]</i>		8/18/08
Street or Route		Telephone Number
N8 W22350 Johnson Drive		(262) 544-0118
City, State, Zip Code		
Waukesha WI 53186-		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

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

(1) GENERAL INFORMATION		(2) FACILITY/ OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County	Facility Name
		BROWN	Commercial <i>Smoke-Out Cleaners</i>
Common Well Name	GP-1	Gov't Lot (if applicable)	Facility ID
			License/Permit/Monitoring No.
SE 1/4 of NW 1/4 of Sec. 3		T. 24 N; R. 20	Street Address of Well
Grid Location		[X] E	1631 Brookfield Avenue, D-4
		[] W	City, Village, or Town
			Green Bay Howard
Local Grid Origin [X]	(estimated: [])	or Well Location []	Present Well Owner
			Mark Woppert
Lat.		Long	Original Owner
			S C M E
St. Plane		ft. N.	Street Address or Route of Owner
			1631 Brookfield Avenue
Reason For Abandonment	WI Unique Well No.	City, State, Zip Code	
Sampling Completed	of Replacement Well	Green Bay Howard WI	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date	8/7/2008	Pump & Piping Removed?	[] Yes [] No [X] Not Applicable
<input type="checkbox"/> Monitoring Well	If a Well Construction Report is available, please attach.	Liner(s) Removed?	[] Yes [] No [X] Not Applicable
<input type="checkbox"/> Water Well		Screen Removed?	[] Yes [] No [X] Not Applicable
[X] Borehole / Drillhole		Casing Left in Place?	[] Yes [X] No
Construction Type:		Was Casing Cut Off Below Surface?	[] Yes [] No
<input type="checkbox"/> Drilled		Did Sealing Material Rise to Surface?	[] Yes [] No
<input type="checkbox"/> Driven (Sandpoint)		Did Material Settle After 24 Hours?	[] Yes [] No
[X] Other (Specify) GeoProbe		If Yes, Was Hole Retopped?	[] Yes [] No
Formation Type:		Required Method of Placing Sealing Material	
[X] Unconsolidated Formation	[] Bedrock	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth (ft.) 12	Casing Diameter (in.)	<input type="checkbox"/> Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity	
(From ground surface)	Casing Depth (ft.)	Sealing Materials	
Lower Drillhole Diameter (in.)		For monitoring wells and monitoring well boreholes only	
Was Well Annular Space Grouted? [] Yes [X] No [] Unknown		<input type="checkbox"/> Neat Cement Grout	[] Bentonite Chips
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Sand-Cement (Concrete) Grout	[X] Granular Bentonite
Depth to Water (Feet) 4		<input type="checkbox"/> Concrete	[] Bentonite - Cement Grout
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	[] Bentonite - Sand Slurry
		<input type="checkbox"/> Bentonite-Sand Slurry " "	[] Bentonite - Sand Slurry
		<input type="checkbox"/> Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Concrete	Surface	0.3	0.1	
Bentonite Crumbles	0.3	12	0.4	

(6) Comments:

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment	
Giles Engineering Associates, Inc.		8/7/2008	
Signature of Person Doing Work		Date Signed	
<i>[Signature]</i>		8/12/08	
Street or Route		Telephone Number	
N8 W22350 Johnson Drive		(262) 544-0118	
City, State, Zip Code			
Waukesha WI 53186-			

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

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

Verification Only of Fill and Seal

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

1. Well Location Information				2. Facility / Owner Information			
County <i>Brown</i>		WI Unique Well # of Removed Well _____		Hicap # _____		Facility Name <i>Smoke-out Cleaners</i>	
Latitude / Longitude (Degrees and Minutes) ____ ° ____ ' N ____ ° ____ ' W				Facility ID (FID or PWS) _____			
Method Code (see instructions) _____				License/Permit/Monitoring # <i>GP-2</i>			
1/4 SE 1/4 NW or Gov't Lot #		Section <i>3</i>	Township <i>24 N</i>	Range <i>20</i>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner <i>Mark Woppert (Smoke-out Cleaners)</i>	
Well Street Address <i>1631 Brookfield Ave., Suite D-4</i>				Present Well Owner <i>Mark Woppert (Smoke-out Cleaners)</i>			
Well City, Village or Town <i>Howard WI</i>				Mailing Address of Present Owner <i>1631 Brookfield Ave., Suite D-4</i>			
Subdivision Name _____				Lot # _____		City of Present Owner <i>Green Bay Howard</i>	State <i>WI</i>
				ZIP Code <i>54313</i>			

Reason For Removal From Service <i>Sampling completed</i>		WI Unique Well # of Replacement Well _____		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <i>6/1/11</i>		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): <i>Geo Probe</i>				Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
				If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
				If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			

Formation Type:		<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		Required Method of Placing Sealing Material	
Total Well Depth From Ground Surface (ft.) <i>10</i>		Casing Diameter (in.) _____		<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
Lower Drillhole Diameter (in.) <i>2</i>		Casing Depth (ft.) _____		<input type="checkbox"/> Screened & Poured (Bentonite Chips)		<input checked="" type="checkbox"/> Other (Explain): <i>Gravity</i>	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				Sealing Materials			
If yes, to what depth (feet)? _____		Depth to Water (feet) _____		<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
				<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
				<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
				<input checked="" type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole				From (ft.)	To (ft.)	No. Yards, Sacks, or Volume (circle one)	Mix Ratio or Mud Weight
<i>Concrete</i>				Surface	<i>.4</i>	<i>.75</i>	
<i>Bentonite chips</i>				<i>.4</i>	<i>10</i>	<i>1</i>	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>GILES ENGINEERING ASSOCIATES</i>		License # _____	Date of Filling & Sealing (mm/dd/yyyy) <i>6/1/11</i>	Date Received _____	Noted By _____
Street or Route <i>NB W2235D JOHNSON DR, SUITE A1</i>			Telephone Number <i>(262) 544 0118</i>	Comments _____	
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53186</i>	Signature of Person Doing Work <i>[Signature]</i>		Date Signed <i>6/2/11</i>

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

Verification Only of Fill and Seal

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

1. Well Location Information				2. Facility / Owner Information			
County <i>Brown</i>		WI Unique Well # of Removed Well _____		Hicap # _____		Facility Name <i>SMOKE-OUT CLEANERS</i>	
Latitude / Longitude (Degrees and Minutes) ____ ° ____ ' N ____ ° ____ ' W				Facility ID (FID or PWS) _____			
Method Code (see instructions) _____				License/Permit/Monitoring # <i>GP-3</i>			
1/4 SE 1/4 NW or Gov't Lot #		Section <i>3</i>	Township <i>24 N</i>	Range <i>20</i>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W	Original Well Owner <i>Mark Woppert (Smoke-Out Cleaners)</i>	
Well Street Address <i>1631 Brookfield Ave., Suite D-4</i>				Present Well Owner <i>Mark Woppert (Smoke-out Cleaners)</i>			
Well City, Village or Town <i>HOWARD WI 54313</i>				Mailing Address of Present Owner <i>1631 Brookfield Ave., Suite D-4</i>			
Subdivision Name _____				Lot # _____		City of Present Owner <i>Green Bay Howard</i>	
				State <i>WI</i>		ZIP Code <i>54313</i>	

Reason For Removal From Service <i>Sampling completed</i>		WI Unique Well # of Replacement Well _____		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information				Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <i>6/1/11</i>		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Dug		Did sealing material rise to surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Other (specify): <i>Geo Probe</i>				Did material settle after 24 hours? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
				If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
				If bentonite chips were used, were they hydrated with water from a known safe source? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			

Formation Type:				Required Method of Placing Sealing Material			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity		<input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth From Ground Surface (ft.) <i>10</i>		Casing Diameter (in.) _____		<input type="checkbox"/> Screened & Poured (Bentonite Chips)		<input checked="" type="checkbox"/> Other (Explain): <i>Gravity</i>	
Lower Drillhole Diameter (in.) <i>2</i>		Casing Depth (ft.) _____		Sealing Materials			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				<input type="checkbox"/> Neat Cement Grout		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
If yes, to what depth (feet)? _____		Depth to Water (feet) _____		<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Bentonite-Sand Slurry " "	
				<input type="checkbox"/> Concrete		<input checked="" type="checkbox"/> Bentonite Chips	
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				<input type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Bentonite - Cement Grout	
				<input checked="" type="checkbox"/> Granular Bentonite		<input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole				From (ft.)	To (ft.)	No. Yards, Sacks, or Volume (circle one)	Mix Ratio or Mud Weight
<i>Concrete</i>				Surface	<i>.4</i>	<i>.75</i>	
<i>Bentonite Chips</i>				<i>.4</i>	<i>10</i>	<i>1</i>	

6. Comments

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>GILES ENGINEERING ASSOCIATES</i>		License # _____	Date of Filling & Sealing (mm/dd/yyyy) <i>6/1/11</i>	Date Received _____	Noted By _____
Street or Route <i>NB W22350 JOHNSON DR. SUITE A1</i>			Telephone Number <i>(262) 544 0118</i>	Comments _____	
City <i>Waukesha</i>	State <i>WI</i>	ZIP Code <i>53186</i>	Signature of Person Doing Work <i>[Signature]</i>		Date Signed <i>6/2/11</i>

APPENDIX D

Monitoring Well Construction/Development Documentation (Form 4400-113A-B)

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-COT Local Grid Location of Well _____ ft. N. _____ ft. E.
1631 Brookfield Ave, Howard, WI Local Grid Origin (estimated:) or Well Location
Facility License, Permit or Monitoring No. _____ Lat. _____ " Long. _____ " or _____
Facility ID _____ St. Plane _____ ft. N. _____ ft. E. S/C/N _____
Type of Well _____ Section Location of Waste/Source _____
Well Code 1 Location of Well Relative to Waste/Source u s d n Gov. Lot Number _____
Distance from Waste/Source _____ ft. Apply Location of Well Relative to Waste/Source u s d n Well Installed By: Name (first, last) and Firm
WMB32 DNR Well ID No. _____
Date Well Installed 06/01/2011
Jim Blair
Giles Engineering Associates, Inc

A. Protective pipe, top elevation _____ ft. MSL Yes No
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.
12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock
13. Sieve analysis performed? Yes No
14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Geo Probe Other
15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99
16. Drilling additives used? Yes No
Describe _____
17. Source of water (attach analysis, if required): _____
E. Bentonite seal, top _____ ft. MSL or 0.5 ft.
F. Fine sand, top _____ ft. MSL or 1 ft.
G. Filter pack, top _____ ft. MSL or 1 ft.
H. Screen joint, top _____ ft. MSL or 1.5 ft.
I. Well bottom _____ ft. MSL or 6.5 ft.
J. Filter pack, bottom _____ ft. MSL or 6.5 ft.
K. Borehole, bottom _____ ft. MSL or 10 ft.
L. Borehole, diameter 2 in.
M. O.D. well casing 7.5 in.
N. I.D. well casing 7.0 in.

1. Cap and lock? Yes No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 1 ft.
c. Material: Steel 04
Other
d. Additional protection? Yes No
If yes, describe: _____
3. Surface seal: Bentonite 30
Concrete 01
Other
4. Material between well casing and protective pipe:
Bentonite 30
Other
5. Annular space seal: a. Granular/Chipped Bentonite 33
b. _____ Lbs/gal mud weight: . . . Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight Bentonite slurry 31
d. _____ % Bentonite Bentonite-cement grout 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08
6. Bentonite seal: a. Bentonite granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
c. _____ Other
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #45
b. Volume added .25 ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint
b. Volume added 1 ft³
9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other
10. Screen material: PVC
a. Screen type: Factory cut 11
Continuous slot 01
Other
b. Manufacturer Timco
c. Slot size: 0.010 in.
d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None 14
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature _____ Firm Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Smoke-out</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>MW-2</u>	
Facility License, Permit or Monitoring No. <u>1631 Brookfield Ave</u>		Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. _____ " Long. _____ "		Wis. Unique Well No. <u>VM833</u> DNR Well ID No. _____	
Facility ID _____		St. Plane _____ ft. N. _____ ft. E. S/C/N _____		Date Well Installed <u>061012011</u> m m d d y y v v y	
Type of Well Well Code <u>1</u>		Section Location of Waste/Source <u>SE 1/4 of NW 1/4 of Sec. 3, T. 24 N. R. 20</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Jim Blair</u>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Enf. Stds. Apply <input type="checkbox"/>		Giles Engineering Associates, Inc.			

A. Protective pipe, top elevation _____ ft. MSL		1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL		2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: _____ Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
C. Land surface elevation _____ ft. MSL		3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
D. Surface seal, bottom _____ ft. MSL or _____ ft.		4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input checked="" type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		5. Annular space seal: a. Granular/Chipped Bentonite <input type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Geo Probe</u> Other <input checked="" type="checkbox"/>		7. Fine sand material: Manufacturer, product name & mesh size a. <u>Red Flint #45</u> b. Volume added _____ ft ³
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint</u> b. Volume added _____ ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____		10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/> b. Manufacturer <u>Timco</u> c. Slot size: _____ d. Slotted length: _____ ft.
E. Bentonite seal, top _____ ft. MSL or <u>0.5</u> ft.		11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.		
G. Filter pack, top _____ ft. MSL or _____ ft.		
H. Screen joint, top _____ ft. MSL or <u>1.5</u> ft.		
I. Well bottom _____ ft. MSL or <u>6.5</u> ft.		
J. Filter pack, bottom _____ ft. MSL or <u>6.5</u> ft.		
K. Borehole, bottom _____ ft. MSL or <u>10</u> ft.		
L. Borehole, diameter <u>2</u> in.		
M. O.D. well casing <u>7.5</u> in.		
N. I.D. well casing <u>7.0</u> in.		

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

Signature _____ Firm Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stat., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name Small Co Local Grid Location of Well _____ ft. N. _____ ft. E. _____ ft. S. _____ ft. W.
 Facility License, Permit or Monitoring No. 1631 Brookfield Ave, Howard, WI Local Grid Origin (estimated:) or Well Location
 Lat. _____ " Long. _____ " or _____ " or _____ "
 Facility ID _____ St. Plane _____ ft. N. _____ ft. E. S/C/N _____
 Type of Well _____ Section Location of Waste/Source SE 1/4 of NW 1/4 of Sec. 3, T. 24 N, R. 20 E W
 Well Code 1 Location of Well Relative to Waste/Source Gov. Lot Number
 Distance from Waste/Source _____ ft. Inf. Stds. Apply u Upgradient s Sidegradient
 d Downgradient n Not Known
 Well Name MW-3
 Wis. Unique Well No. VM834 DNR Well ID No. _____
 Date Well Installed 06/01/2011
 Well Installed By: Name (first, last) and Firm Jim Blair
Giles Engineering Associates, Inc

A. Protective pipe, top elevation _____ ft. MSL
 B. Well casing, top elevation _____ ft. MSL
 C. Land surface elevation _____ ft. MSL
 D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 5 0
 Hollow Stem Auger 4 1
Geo Probe Other

15. Drilling fluid used: Water 0 2 Air 0 1
 Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No
 Describe _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.
 F. Fine sand, top _____ ft. MSL or 1 ft.
 G. Filter pack, top _____ ft. MSL or 1 ft.
 H. Screen joint, top _____ ft. MSL or 1.5 ft.
 I. Well bottom _____ ft. MSL or 6.5 ft.
 J. Filter pack, bottom _____ ft. MSL or 6.5 ft.
 K. Borehole, bottom _____ ft. MSL or 10 ft.
 L. Borehole, diameter 2 in.
 M. O.D. well casing 7.5 in.
 N. I.D. well casing 7.0 in.

1. Cap and lock? Yes No
 2. Protective cover pipe:
 a. Inside diameter: 4 in.
 b. Length: 1 ft.
 c. Material: Steel 0 4
 Other
 d. Additional protection? Yes No
 If yes, describe: _____
 3. Surface seal: Bentonite 3 0
 Concrete 0 1
 Other
 4. Material between well casing and protective pipe: Bentonite 3 0
 Other
 5. Annular space seal: a. Granular/Chipped Bentonite 3 3
 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry 3 5
 c. _____ Lbs/gal mud weight ... Bentonite slurry 3 1
 d. _____ % Bentonite ... Bentonite-cement grout 5 0
 e. _____ Ft³ volume added for any of the above
 f. How installed: Tremie 0 1
 Tremie pumped 0 2
 Gravity 0 8
 6. Bentonite seal: a. Bentonite granules 3 3
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
 c. _____ Other
 7. Fine sand material: Manufacturer, product name & mesh size
 a. Red Flint #45
 b. Volume added .25 ft³
 8. Filter pack material: Manufacturer, product name & mesh size
 a. Red Flint
 b. Volume added 1 ft³
 9. Well casing: Flush threaded PVC schedule 40 2 3
 Flush threaded PVC schedule 80 2 4
 Other
 10. Screen material: PVC
 a. Screen type: Factory cut 1 1
 Continuous slot 0 1
 Other
 b. Manufacturer Timco
 c. Slot size: 0.010 in.
 d. Slotted length: 5 ft.
 11. Backfill material (below filter pack): None 1 4
 Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature _____ Firm Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name Smoke - Out Local Grid Location of Well _____ ft. N. _____ ft. E. _____ ft. S. _____ ft. W. Well Name MW-4

Facility License, Permit or Monitoring No. 1631 Brookfield Ave. Hebeon, WI Local Grid Origin (estimated:) or Well Location Wis. Unique Well No. VM835 DNR Well ID No. _____

Facility ID _____ St. Plane _____ ft. N. _____ ft. E. S/C/N _____ Date Well Installed 061012011
m m d d y y v v y

Type of Well _____ Section Location of Waste/Source SE 1/4 of NW 1/4 of Sec. 3, T. 24 N, R. 20 Well Installed By: Name (first, last) and Firm Jim Blair

Well Code 1 Location of Well Relative to Waste/Source Gov. Lot Number _____

Distance from Waste/Source _____ ft. Enf. Stds. Apply Location of Well Relative to Waste/Source Gov. Lot Number _____

u Upgradient s Sidegradient d Downgradient n Not Known

Giles Engineering Associates, Inc.

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

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

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

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 5 0
Hollow Stem Auger 4 1
Geo Probe Other

15. Drilling fluid used: Water 0 2 Air 0 1
Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top _____ ft. MSL or 0.5 ft.

F. Fine sand, top _____ ft. MSL or 1 ft.

G. Filter pack, top _____ ft. MSL or 1 ft.

H. Screen joint, top _____ ft. MSL or 1.5 ft.

I. Well bottom _____ ft. MSL or 6.5 ft.

J. Filter pack, bottom _____ ft. MSL or 6.5 ft.

K. Borehole, bottom _____ ft. MSL or 10 ft.

L. Borehole, diameter 3 in.

M. O.D. well casing 7.5 in.

N. I.D. well casing 7.0 in.

1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 1 ft.
c. Material: Steel 0 4
Other

d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 3 0
Concrete 0 1
Other

4. Material between well casing and protective pipe: Bentonite 3 0
Other

5. Annular space seal: a. Granular/Chipped Bentonite 3 3
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry 3 5
c. _____ Lbs/gal mud weight ... Bentonite slurry 3 1
d. _____ % Bentonite ... Bentonite-cement grout 5 0
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8

6. Bentonite seal: a. Bentonite granules 3 3
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flat Hus
b. Volume added .25 ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flat
b. Volume added 1 ft³

9. Well casing: Flush threaded PVC schedule 40 2 3
Flush threaded PVC schedule 80 2 4
Other

10. Screen material: PVC
a. Screen type: Factory cut 1 1
Continuous slot 0 1
Other

b. Manufacturer Timco
c. Slot size: 0.010 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter pack): None 1 4
Other

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

Signature _____ Firm Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name Smoke-Out Cleaners	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-5
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. " Long. " or	Wis. Unique Well No. VQ759 DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 03 / 30 / 2016 m m d d y y y y
Type of Well Well Code 11 / mw	Section Location of Waste/Source SE 1/4 of NW 1/4 of Sec. 03, T. 24 N, R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm James Blair
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number
Enf. Stds. Apply <input type="checkbox"/>		Giles Engineering Associates, Inc

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Direct-Push <input checked="" type="checkbox"/> Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or 0.5 ft.</p> <p>F. Fine sand, top _____ ft. MSL or 1 ft.</p> <p>G. Filter pack, top _____ ft. MSL or 1 ft.</p> <p>H. Screen joint, top _____ ft. MSL or 1 ft.</p> <p>I. Well bottom _____ ft. MSL or 6 ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or 6 ft.</p> <p>K. Borehole, bottom _____ ft. MSL or 6 ft.</p> <p>L. Borehole, diameter 3 in.</p> <p>M. O.D. well casing 1.7 in.</p> <p>N. I.D. well casing 1 in.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: 4 in. b. Length: 1 ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input checked="" type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 3 0 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. Monoflex pre-pak, 20 x 40 silica sand b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/> b. Manufacturer Monoflex c. Slot size: 0.01 in. d. Slotted length: 5 ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners	County Name Brown	Well Name MW-5
Facility License, Permit or Monitoring Number	County Code 05	Wis. Unique Well Number VQ759
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well _____ 15 _____ min.

4. Depth of well (from top of well casing) _____ 5.79 _____ ft.

5. Inside diameter of well _____ 1 _____ in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well _____ 1,5 _____ gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. _____ 2,01 _____ ft. _____ 3,02 _____ ft.

Date b. 03 / 30 / 2016 03 / 30 / 2016
m m d d y y y y m m d d y y y y

Time c. _____ 3:55 _____ a.m. _____ 4:10 _____ p.m.
 p.m. a.m.

12. Sediment in well bottom _____ inches _____ inches

13. Water clarity Clear 1 0 Clear 2 0
Turbid 1 5 Turbid 2 5
(Describe) (Describe)

light brown _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Kelly Last Name: Hayden

Firm: Giles Engineering Associates, Inc.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mark Last Name: Woppert
Facility/Firm: Smoke-Out Cleaners
Street: 535 Half Mile Road
City/State/Zip: Verona, Wisconsin 53593

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

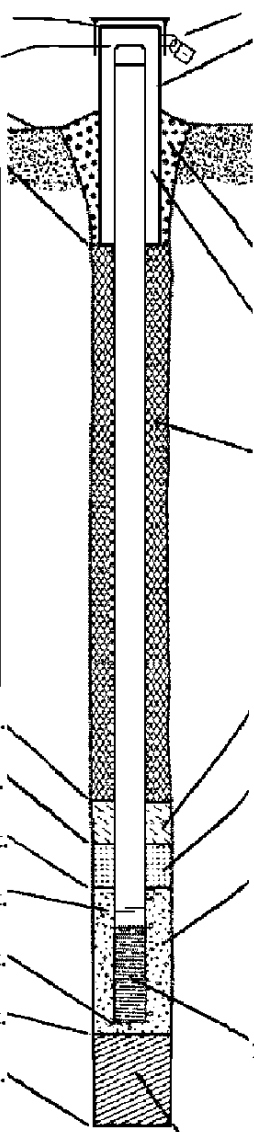
Signature: _____

Print Name: Kelly Hayden

Firm: Giles Engineering Associates, Inc.

Facility/Project Name Smoke-Out Cleaners	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name MW-6	
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>	Wis. Unique Well No. VQ760	DNR Well ID No.	
Facility ID	Lat. " Long. " or	Date Well Installed 03 / 30 / 2016 m m d d y y y y		
Type of Well Well Code 11 / mw	Section Location of Waste/Source SE 1/4 of NW 1/4 of Sec. 03, T. 24 N, R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm James Blair	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number	
Giles Engineering Associates, Inc				

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Direct-Push <input checked="" type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft ³
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. Monoflex pre-pak, 20 x 40 silica sand b. Volume added _____ ft ³
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer Monoflex
G. Filter pack, top _____ ft. MSL or _____ ft.	c. Slot size: 0.01 in.
H. Screen joint, top _____ ft. MSL or _____ ft.	d. Slotted length: _____ ft.
I. Well bottom _____ ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom _____ ft. MSL or _____ ft.	
L. Borehole, diameter _____ in.	
M. O.D. well casing _____ in.	
N. I.D. well casing _____ in.	



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

Signature _____ Firm Giles Engineering Associates, Inc.

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Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners	County Name Brown	Well Name MW-6
Facility License, Permit or Monitoring Number	County Code 05	Wis. Unique Well Number VQ760
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well 15 min.

4. Depth of well (from top of well casing) 6.56 ft.

5. Inside diameter of well 1 in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well 1,5 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. 2,03 ft. 6,26 ft.

Date b. 03 / 30 / 2016 03 / 30 / 2016
m m d d y y y y m m d d y y y y

Time c. 4:15 a.m. 4:30 a.m.
 p.m. p.m.

12. Sediment in well bottom _____ inches _____ inches

13. Water clarity Clear 1 0 Clear 2 0
Turbid 1 5 Turbid 2 5
(Describe) (Describe)
light brown _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Kelly Last Name: Hayden

Firm: Giles Engineering Associates, Inc.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Mark Last Name: Woppert
Facility/Firm: Smoke-Out Cleaners
Street: 535 Half Mile Road
City/State/Zip: Verona, Wisconsin 53593

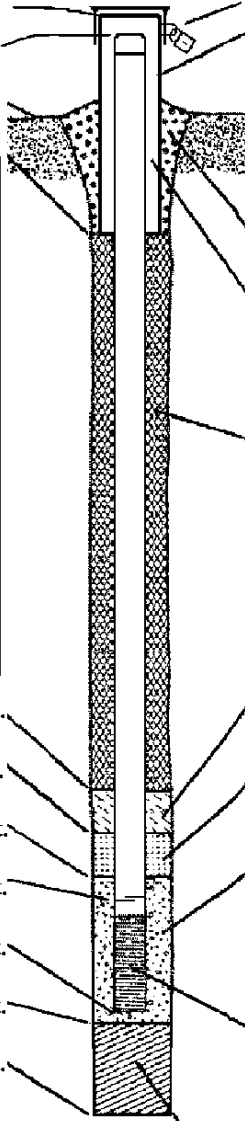
I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: _____

Print Name: Kelly Hayden

Firm: Giles Engineering Associates, Inc.

Facility/Project Name Smoke-Out Cleaners	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-7
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. " Long. " or	Wis. Unique Well No. VQ761 DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 03 / 30 / 2016 m m d d y y y y
Type of Well Well Code 11 / mw	Section Location of Waste/Source SE 1/4 of NW 1/4 of Sec. 03, T. 24 N, R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm James Blair
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input checked="" type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number
Enf. Stds. Apply <input type="checkbox"/>		Giles Engineering Associates, Inc

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 Direct-Push <input checked="" type="checkbox"/> Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or 0.5 ft.</p> <p>F. Fine sand, top _____ ft. MSL or 1 ft.</p> <p>G. Filter pack, top _____ ft. MSL or 1 ft.</p> <p>H. Screen joint, top _____ ft. MSL or 1 ft.</p> <p>I. Well bottom _____ ft. MSL or 6 ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or 6 ft.</p> <p>K. Borehole, bottom _____ ft. MSL or 6 ft.</p> <p>L. Borehole, diameter 3 in.</p> <p>M. O.D. well casing 1.7 in.</p> <p>N. I.D. well casing 1 in.</p>	 <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: 4 in. b. Length: 1 ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input checked="" type="checkbox"/> 0 1 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 3 0 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. Monoflex pre-pak, 20 x 40 silica sand b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/> b. Manufacturer Monoflex c. Slot size: 0.01 in. d. Slotted length: 5 ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners	County Name Brown	Well Name MW-7
Facility License, Permit or Monitoring Number	County Code 05	Wis. Unique Well Number VQ761
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well _____ 10 _____ min.

4. Depth of well (from top of well casing) _____ 6.26 _____ ft.

5. Inside diameter of well _____ 1 _____ in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well _____ 1,5 _____ gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. _____ 2,27 _____ ft. _____ 3,26 _____ ft.

Date b. 03 / 30 / 2016 03 / 30 / 2016
m m d d y y y y m m d d y y y y

Time c. _____ 4:50 _____ a.m. _____ 5:00 _____ p.m.
 p.m. a.m.

12. Sediment in well bottom _____ inches _____ inches

13. Water clarity Clear 1 0 Clear 2 0
Turbid 1 5 Turbid 2 5
(Describe) (Describe)

light brown _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Kelly Last Name: Hayden

Firm: Giles Engineering Associates, Inc.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mark Last Name: Woppert

Facility/Firm: Smoke-Out Cleaners

Street: 535 Half Mile Road

City/State/Zip: Verona, Wisconsin 53593

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

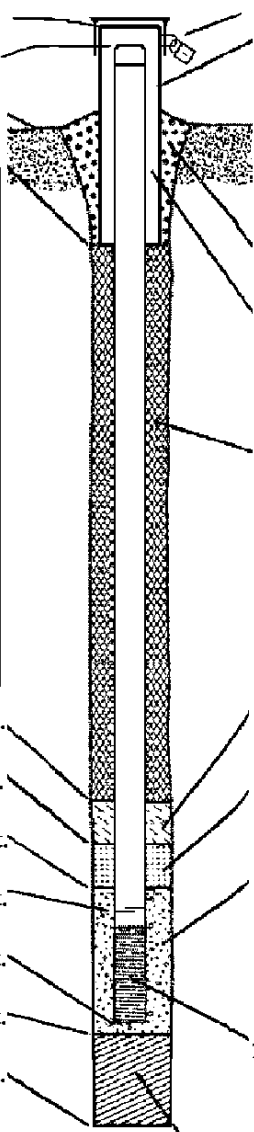
Signature: _____

Print Name: Kelly Hayden

Firm: Giles Engineering Associates, Inc.

Facility/Project Name Smoke-Out Cleaners	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-8
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. " " Long. " "	Wis. Unique Well No. VQ762 DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 06/02/2016 m m d d y y y y
Type of Well Well Code 11 / mw	Section Location of Waste/Source SE 1/4 of NW 1/4 of Sec. 03, T. 24 N, R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm James Blair
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input checked="" type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Giles Engineering Associates, Inc
Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Direct-Push <input checked="" type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft ³
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. Monoflex pre-pak, 20 x 40 silica sand b. Volume added _____ ft ³
17. Source of water (attach analysis, if required): _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer Monoflex
G. Filter pack, top _____ ft. MSL or _____ ft.	c. Slot size: 0.01 in.
H. Screen joint, top _____ ft. MSL or _____ ft.	d. Slotted length: _____ ft.
I. Well bottom _____ ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom _____ ft. MSL or _____ ft.	
L. Borehole, diameter _____ in.	
M. O.D. well casing _____ in.	
N. I.D. well casing _____ in.	



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

Signature _____ Firm Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners	County Name Brown	Well Name MW-8
Facility License, Permit or Monitoring Number	County Code 05	Wis. Unique Well Number VQ762
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____
3. Time spent developing well _____ 50 _____ min.
4. Depth of well (from top of well casing) _____ 6.65 _____ ft.
5. Inside diameter of well _____ 1 _____ in.
6. Volume of water in filter pack and well casing _____ gal.
7. Volume of water removed from well _____ 4.5 _____ gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _____ 2.45 _____ ft.	_____ 5.91 _____ ft.
Date	b. <u>06</u> / <u>02</u> / <u>2016</u>	<u>06</u> / <u>02</u> / <u>2016</u>
	m m d d y y y y	m m d d y y y y
Time	c. _____ 1:35 _____ <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	_____ 2:25 _____ <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) _____ light brown	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm
 First Name: Kelly Last Name: Hayden
 Firm: Giles Engineering Associates, Inc.

17. Additional comments on development:

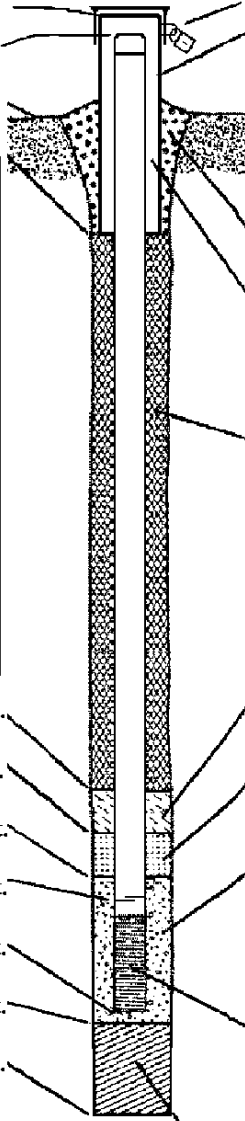
Name and Address of Facility Contact/Owner/Responsible Party
 First Name: Mark Last Name: Woppert
 Facility/Firm: Smoke-Out Cleaners
 Street: 535 Half Mile Road
 City/State/Zip: Verona, Wisconsin 53593

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

Signature: _____
 Print Name: Kelly Hayden
 Firm: Giles Engineering Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name Smoke-Out Cleaners	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-9
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. " Long. " or	Wis. Unique Well No. VQ763 DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 06/02/2016 m m d d y y y y
Type of Well Well Code 11 / mw	Section Location of Waste/Source SE 1/4 of NW 1/4 of Sec. 03, T. 24 N, R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm James Blair
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number
Enf. Stds. Apply <input type="checkbox"/>		Giles Engineering Associates, Inc

<p>A. Protective pipe, top elevation _____ ft. MSL</p> <p>B. Well casing, top elevation _____ ft. MSL</p> <p>C. Land surface elevation _____ ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Direct-Push <input checked="" type="checkbox"/> Other <input type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required): _____</p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ 1 _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ 2 _____ ft.</p> <p>G. Filter pack, top _____ ft. MSL or _____ 2 _____ ft.</p> <p>H. Screen joint, top _____ ft. MSL or _____ 2 _____ ft.</p> <p>I. Well bottom _____ ft. MSL or _____ 7 _____ ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ 7 _____ ft.</p> <p>K. Borehole, bottom _____ ft. MSL or _____ 7 _____ ft.</p> <p>L. Borehole, diameter _____ 3 _____ in.</p> <p>M. O.D. well casing _____ 1.7 _____ in.</p> <p>N. I.D. well casing _____ 1 _____ in.</p>	 <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: _____ 4 _____ in. b. Length: _____ 1 _____ ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft³</p> <p>8. Filter pack material: Manufacturer, product name & mesh size a. Monoflex pre-pak, 20 x 40 silica sand b. Volume added _____ ft³</p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer Monoflex c. Slot size: 0.01 _____ in. d. Slotted length: _____ 5 _____ ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm Giles Engineering Associates, Inc.

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Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners	County Name Brown	Well Name MW-9
Facility License, Permit or Monitoring Number	County Code 05	Wis. Unique Well Number VQ763
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____
3. Time spent developing well _____ 60 _____ min.
4. Depth of well (from top of well casing) _____ 6.67 _____ ft.
5. Inside diameter of well _____ 1 _____ in.
6. Volume of water in filter pack and well casing _____ gal.
7. Volume of water removed from well _____ 5 _____ gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | | |
|--|---------------------------|--------------------------|
| | <u>Before Development</u> | <u>After Development</u> |
|--|---------------------------|--------------------------|
11. Depth to Water (from top of well casing)
- a. _____ 1,92 _____ ft. _____ 5,79 _____ ft.
- Date
- b. 06 / 02 / 2016 06 / 02 / 2016
m m d d y y y y m m d d y y y y
- Time
- c. _____ 12:35 _____ a.m. _____ 1:35 _____ p.m.
12. Sediment in well bottom _____ inches
13. Water clarity
- | | |
|--|---|
| Clear <input type="checkbox"/> 1 0 | Clear <input checked="" type="checkbox"/> 2 0 |
| Turbid <input checked="" type="checkbox"/> 1 5 | Turbid <input type="checkbox"/> 2 5 |
- (Describe) (Describe)
- _____ light brown _____
- _____
- _____
- _____
- _____
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Kelly Last Name: Hayden

Firm: Giles Engineering Associates, Inc.

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mark Last Name: Woppert

Facility/Firm: Smoke-Out Cleaners

Street: 535 Half Mile Road

City/State/Zip: Verona, Wisconsin 53593

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

Signature: _____

Print Name: Kelly Hayden

Firm: Giles Engineering Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name Smoke-Out Cleaners	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name PZ-1
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. " " Long. " "	Wis. Unique Well No. VQ764 DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 03 / 14 / 2017 m m d d y y y y
Type of Well Well Code 12 / pz	Section Location of Waste/Source SE 1/4 of NW 1/4 of Sec. 03, T. 24 N, R. 20 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm James Blair
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number
Enf. Stds. Apply <input type="checkbox"/>	Giles Engineering Associates, Inc	

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

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

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

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 5 0
Hollow Stem Auger 4 1
Direct-Push Other

15. Drilling fluid used: Water 0 2 Air 0 1
Drilling Mud 0 3 None 9 9

16. Drilling additives used? Yes No
Describe _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top _____ ft. MSL or _____ 1 _____ ft.

F. Fine sand, top _____ ft. MSL or _____ 21 _____ ft.

G. Filter pack, top _____ ft. MSL or _____ 21 _____ ft.

H. Screen joint, top _____ ft. MSL or _____ 21 _____ ft.

I. Well bottom _____ ft. MSL or _____ 26 _____ ft.

J. Filter pack, bottom _____ ft. MSL or _____ 26 _____ ft.

K. Borehole, bottom _____ ft. MSL or _____ 26 _____ ft.

L. Borehole, diameter _____ 3 _____ in.

M. O.D. well casing _____ 1.7 _____ in.

N. I.D. well casing _____ 1 _____ in.

1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: _____ 4 _____ in.
b. Length: _____ 1 _____ ft.
c. Material: Steel 0 4
Other

d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 3 0
Concrete 0 1
Other

4. Material between well casing and protective pipe:
Bentonite 3 0
Other

5. Annular space seal: a. Granular/Chipped Bentonite 3 3
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 3 5
c. _____ Lbs/gal mud weight Bentonite slurry 3 1
d. _____ % Bentonite Bentonite-cement grout 5 0
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 0 1
Tremie pumped 0 2
Gravity 0 8

6. Bentonite seal: a. Bentonite granules 3 3
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 3 2
c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
a. _____
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
a. Monoflex pre-pak, 20 x 40 silica sand
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 2 3
Flush threaded PVC schedule 80 2 4
Other

10. Screen material: PVC
a. Screen type: Factory cut 1 1
Continuous slot 0 1
Other

b. Manufacturer Monoflex
c. Slot size: 0.01 _____ in.
d. Slotted length: _____ 5 _____ ft.

11. Backfill material (below filter pack): None 1 4
Other

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

Signature _____ Firm Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Smoke-Out Cleaners	County Name Brown	Well Name PZ-1
Facility License, Permit or Monitoring Number	County Code 05	Wis. Unique Well Number VQ764
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - Other _____ _____

3. Time spent developing well 60 min.

4. Depth of well (from top of well casing) 26.31 ft.

5. Inside diameter of well 1 in.

6. Volume of water in filter pack and well casing _____ gal.

7. Volume of water removed from well 0.75 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

11. Depth to Water Before Development After Development

(from top of well casing) a. 23.33 ft. 26.31 ft.

Date b. 03 / 14 / 2017 03 / 14 / 2017
m m d d y y y y m m d d y y y y

Time c. 1:30 a.m. 2:30 a.m.
 p.m. p.m.

12. Sediment in well bottom _____ inches _____ inches

13. Water clarity Clear 1 0 Clear 2 0
Turbid 1 5 Turbid 2 5
(Describe) (Describe)

light brown

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended _____ mg/l _____ mg/l
solids

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Kelly Last Name: Hayden

Firm: Giles Engineering Associates, Inc.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mark Last Name: Woppert

Facility/Firm: Smoke-Out Cleaners

Street: 535 Half Mile Road

City/State/Zip: Verona, Wisconsin 53593

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

Signature: _____

Print Name: Kelly Hayden

Firm: Giles Engineering Associates, Inc.

APPENDIX E

Soil Analytical Reports and Chain-of-Custody Documentation

August 13, 2008

Client: GILES ENGINEERING - WISCONSIN
N8 W22350 Johnson Road
Waukesha, WI 53186

Work Order: WRH0290
Project Name: 1E-0807026 Green Bay, WI
Project Number: 1631 Brookfield Ave.

Attn: Mr. Kevin Bugel

Date Received: 08/08/08

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-833-7036

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
GP-1 2-4'	WRH0290-01	08/07/08
HP-1 2-4'	WRH0290-02	08/07/08
HP-2 2-4'	WRH0290-03	08/07/08

Samples were received into laboratory on ice.

Wisconsin Certification Number: 128053530

The Chain of Custody, 1 page, is included and is an integral part of this report.

Unless subcontracted, volatiles analyses (including VOC, PVOC, GRO, BTEX, and TPH gasoline) performed by TestAmerica Watertown at 1101 Industrial Drive, Units 9&10. All other analyses performed at the address shown in the heading of this report.

Approved By:



TestAmerica Watertown
Brian DeJong For Dan F. Milewsky
Project Manager

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0290
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/13/08 11:20

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRH0290-01 (GP-1 2-4' - Soil)						Sampled: 08/07/08			
General Chemistry Parameters									
% Solids	86		%	NA	1	08/12/08 15:33	ler	8080293	SW 5035
VOCs by SW8260B									
Benzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Bromobenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Bromochloromethane	<41		ug/kg dry	41	1	08/12/08 20:12	lck	8080273	SW 8260B
Bromodichloromethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Bromoform	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	08/12/08 20:12	lck	8080273	SW 8260B
n-Butylbenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
sec-Butylbenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
tert-Butylbenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Carbon Tetrachloride	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Chlorobenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Chlorodibromomethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Chloroethane	<58		ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
Chloroform	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Chloromethane	<58		ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
2-Chlorotoluene	<58		ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
4-Chlorotoluene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2-Dibromo-3-chloropropane	<58		ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2-Dibromoethane (EDB)	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Dibromomethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2-Dichlorobenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,3-Dichlorobenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,4-Dichlorobenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Dichlorodifluoromethane	<58	C9	ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
1,1-Dichloroethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2-Dichloroethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,1-Dichloroethene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
cis-1,2-Dichloroethene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
trans-1,2-Dichloroethene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2-Dichloropropane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,3-Dichloropropane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
2,2-Dichloropropane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,1-Dichloropropene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
cis-1,3-Dichloropropene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
trans-1,3-Dichloropropene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
2,3-Dichloropropene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Isopropyl Ether	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Ethylbenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Hexachlorobutadiene	<41		ug/kg dry	41	1	08/12/08 20:12	lck	8080273	SW 8260B
Isopropylbenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
p-Isopropyltoluene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Methylene Chloride	100		ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
Methyl tert-Butyl Ether	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Naphthalene	<58		ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
n-Propylbenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Styrene	<58		ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
1,1,1,2-Tetrachloroethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,1,2,2-Tetrachloroethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0290
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/13/08 11:20

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRH0290-01 (GP-1 2-4' - Soil) - cont.						Sampled: 08/07/08			
VOCs by SW8260B - cont.									
Tetrachloroethene	180		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Toluene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2,3-Trichlorobenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2,4-Trichlorobenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,1,1-Trichloroethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,1,2-Trichloroethane	<41		ug/kg dry	41	1	08/12/08 20:12	lck	8080273	SW 8260B
Trichloroethene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Trichlorofluoromethane	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2,3-Trichloropropane	<58		ug/kg dry	58	1	08/12/08 20:12	lck	8080273	SW 8260B
1,2,4-Trimethylbenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
1,3,5-Trimethylbenzene	<29		ug/kg dry	29	1	08/12/08 20:12	lck	8080273	SW 8260B
Vinyl chloride	<41		ug/kg dry	41	1	08/12/08 20:12	lck	8080273	SW 8260B
Xylenes, total	<99		ug/kg dry	99	1	08/12/08 20:12	lck	8080273	SW 8260B
Surr: Dibromofluoromethane (82-112%)	100 %								
Surr: Toluene-d8 (91-106%)	98 %								
Surr: 4-Bromofluorobenzene (89-110%)	92 %								
Sample ID: WRH0290-02 (HP-1 2-4' - Soil)						Sampled: 08/07/08			
General Chemistry Parameters									
% Solids	83		%	NA	1	08/12/08 15:33	ler	8080293	SW 5035
VOCs by SW8260B									
Benzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Bromobenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Bromochloromethane	<42		ug/kg dry	42	1	08/12/08 20:39	lck	8080273	SW 8260B
Bromodichloromethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Bromoform	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	08/12/08 20:39	lck	8080273	SW 8260B
n-Butylbenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
sec-Butylbenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
tert-Butylbenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Carbon Tetrachloride	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Chlorobenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Chlorodibromomethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Chloroethane	<60		ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
Chloroform	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Chloromethane	<60		ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
2-Chlorotoluene	<60		ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
4-Chlorotoluene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2-Dibromo-3-chloropropane	<60		ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2-Dibromoethane (EDB)	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Dibromomethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2-Dichlorobenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,3-Dichlorobenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,4-Dichlorobenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Dichlorodifluoromethane	<60	C9	ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
1,1-Dichloroethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2-Dichloroethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,1-Dichloroethene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
cis-1,2-Dichloroethene	330		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
trans-1,2-Dichloroethene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2-Dichloropropane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,3-Dichloropropane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0290
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/13/08 11:20

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRH0290-02 (HP-1 2-4' - Soil) - cont.						Sampled: 08/07/08			
VOCs by SW8260B - cont.									
2,2-Dichloropropane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,1-Dichloropropene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
cis-1,3-Dichloropropene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
trans-1,3-Dichloropropene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
2,3-Dichloropropene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Isopropyl Ether	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Ethylbenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Hexachlorobutadiene	<42		ug/kg dry	42	1	08/12/08 20:39	lck	8080273	SW 8260B
Isopropylbenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
p-Isopropyltoluene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Methylene Chloride	60		ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
Methyl tert-Butyl Ether	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Naphthalene	<60		ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
n-Propylbenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Styrene	<60		ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
1,1,1,2-Tetrachloroethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,1,2,2-Tetrachloroethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Tetrachloroethene	230		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Toluene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2,3-Trichlorobenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2,4-Trichlorobenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,1,1-Trichloroethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,1,2-Trichloroethane	<42		ug/kg dry	42	1	08/12/08 20:39	lck	8080273	SW 8260B
Trichloroethene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Trichlorofluoromethane	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2,3-Trichloropropane	<60		ug/kg dry	60	1	08/12/08 20:39	lck	8080273	SW 8260B
1,2,4-Trimethylbenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
1,3,5-Trimethylbenzene	<30		ug/kg dry	30	1	08/12/08 20:39	lck	8080273	SW 8260B
Vinyl chloride	<42		ug/kg dry	42	1	08/12/08 20:39	lck	8080273	SW 8260B
Xylenes, total	<100		ug/kg dry	100	1	08/12/08 20:39	lck	8080273	SW 8260B
<i>Surr: Dibromofluoromethane (82-112%)</i>	<i>100 %</i>								
<i>Surr: Toluene-d8 (91-106%)</i>	<i>99 %</i>								
<i>Surr: 4-Bromofluorobenzene (89-110%)</i>	<i>92 %</i>								

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0290
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/13/08 11:20

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRH0290-03 (HP-2 2-4' - Soil)						Sampled: 08/07/08			
General Chemistry Parameters									
% Solids	86		%	NA	1	08/12/08 15:33	ler	8080293	SW 5035
VOCs by SW8260B									
Benzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Bromobenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Bromochloromethane	<41		ug/kg dry	41	1	08/12/08 21:06	lck	8080273	SW 8260B
Bromodichloromethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Bromoform	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Bromomethane	<120		ug/kg dry	120	1	08/12/08 21:06	lck	8080273	SW 8260B
n-Butylbenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
sec-Butylbenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
tert-Butylbenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Carbon Tetrachloride	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Chlorobenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Chlorodibromomethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Chloroethane	<58		ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
Chloroform	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Chloromethane	<58		ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
2-Chlorotoluene	<58		ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
4-Chlorotoluene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,2-Dibromo-3-chloropropane	<58		ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
1,2-Dibromoethane (EDB)	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Dibromomethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,2-Dichlorobenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,3-Dichlorobenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,4-Dichlorobenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Dichlorodifluoromethane	<58	C9	ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
1,1-Dichloroethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,2-Dichloroethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,1-Dichloroethene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
cis-1,2-Dichloroethene	110		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
trans-1,2-Dichloroethene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,2-Dichloropropane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,3-Dichloropropane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
2,2-Dichloropropane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,1-Dichloropropene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
cis-1,3-Dichloropropene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
trans-1,3-Dichloropropene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
2,3-Dichloropropene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Isopropyl Ether	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Ethylbenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Hexachlorobutadiene	<41		ug/kg dry	41	1	08/12/08 21:06	lck	8080273	SW 8260B
Isopropylbenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
p-Isopropyltoluene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Methylene Chloride	<58		ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
Methyl tert-Butyl Ether	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Naphthalene	<58		ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
n-Propylbenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Styrene	<58		ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
1,1,1,2-Tetrachloroethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,1,2,2-Tetrachloroethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Tetrachloroethene	49		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Toluene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B

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Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRH0290-03 (HP-2 2-4' - Soil) - cont.						Sampled: 08/07/08			
VOCs by SW8260B - cont.									
1,2,3-Trichlorobenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,2,4-Trichlorobenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,1,1-Trichloroethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,1,2-Trichloroethane	<41		ug/kg dry	41	1	08/12/08 21:06	lck	8080273	SW 8260B
Trichloroethene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Trichlorofluoromethane	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,2,3-Trichloropropane	<58		ug/kg dry	58	1	08/12/08 21:06	lck	8080273	SW 8260B
1,2,4-Trimethylbenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
1,3,5-Trimethylbenzene	<29		ug/kg dry	29	1	08/12/08 21:06	lck	8080273	SW 8260B
Vinyl chloride	<41		ug/kg dry	41	1	08/12/08 21:06	lck	8080273	SW 8260B
Xylenes, total	<99		ug/kg dry	99	1	08/12/08 21:06	lck	8080273	SW 8260B
<i>Surr: Dibromofluoromethane (82-112%)</i>	<i>100 %</i>								
<i>Surr: Toluene-d8 (91-106%)</i>	<i>98 %</i>								
<i>Surr: 4-Bromofluorobenzene (89-110%)</i>	<i>91 %</i>								

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
Benzene	8080273			ug/kg wet	N/A	25	<25							
Bromobenzene	8080273			ug/kg wet	N/A	25	<25							
Bromochloromethane	8080273			ug/kg wet	N/A	35	<35							
Bromodichloromethane	8080273			ug/kg wet	N/A	25	<25							
Bromoform	8080273			ug/kg wet	N/A	25	<25							
Bromomethane	8080273			ug/kg wet	N/A	100	<100							
n-Butylbenzene	8080273			ug/kg wet	N/A	25	<25							
sec-Butylbenzene	8080273			ug/kg wet	N/A	25	<25							
tert-Butylbenzene	8080273			ug/kg wet	N/A	25	<25							
Carbon Tetrachloride	8080273			ug/kg wet	N/A	25	<25							
Chlorobenzene	8080273			ug/kg wet	N/A	25	<25							
Chlorodibromomethane	8080273			ug/kg wet	N/A	25	<25							
Chloroethane	8080273			ug/kg wet	N/A	50	<50							
Chloroform	8080273			ug/kg wet	N/A	25	<25							
Chloromethane	8080273			ug/kg wet	N/A	50	<50							
2-Chlorotoluene	8080273			ug/kg wet	N/A	50	<50							
4-Chlorotoluene	8080273			ug/kg wet	N/A	25	<25							
1,2-Dibromo-3-chloropropane	8080273			ug/kg wet	N/A	50	<50							
1,2-Dibromoethane (EDB)	8080273			ug/kg wet	N/A	25	<25							
Dibromomethane	8080273			ug/kg wet	N/A	25	<25							
1,2-Dichlorobenzene	8080273			ug/kg wet	N/A	25	<25							
1,3-Dichlorobenzene	8080273			ug/kg wet	N/A	25	<25							
1,4-Dichlorobenzene	8080273			ug/kg wet	N/A	25	<25							
Dichlorodifluoromethane	8080273			ug/kg wet	N/A	50	<50							C9
1,1-Dichloroethane	8080273			ug/kg wet	N/A	25	<25							
1,2-Dichloroethane	8080273			ug/kg wet	N/A	25	<25							
1,1-Dichloroethene	8080273			ug/kg wet	N/A	25	<25							
cis-1,2-Dichloroethene	8080273			ug/kg wet	N/A	25	<25							
trans-1,2-Dichloroethene	8080273			ug/kg wet	N/A	25	<25							
1,2-Dichloropropane	8080273			ug/kg wet	N/A	25	<25							
1,3-Dichloropropane	8080273			ug/kg wet	N/A	25	<25							
2,2-Dichloropropane	8080273			ug/kg wet	N/A	25	<25							
1,1-Dichloropropene	8080273			ug/kg wet	N/A	25	<25							
cis-1,3-Dichloropropene	8080273			ug/kg wet	N/A	25	<25							
trans-1,3-Dichloropropene	8080273			ug/kg wet	N/A	25	<25							
2,3-Dichloropropene	8080273			ug/kg wet	N/A	25	<25							
Isopropyl Ether	8080273			ug/kg wet	N/A	25	<25							
Ethylbenzene	8080273			ug/kg wet	N/A	25	<25							
Hexachlorobutadiene	8080273			ug/kg wet	N/A	35	<35							
Isopropylbenzene	8080273			ug/kg wet	N/A	25	<25							
p-Isopropyltoluene	8080273			ug/kg wet	N/A	25	<25							
Methylene Chloride	8080273			ug/kg wet	N/A	50	<50							
Methyl tert-Butyl Ether	8080273			ug/kg wet	N/A	25	<25							
Naphthalene	8080273			ug/kg wet	N/A	50	<50							
n-Propylbenzene	8080273			ug/kg wet	N/A	25	<25							

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LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
Styrene	8080273			ug/kg wet	N/A	50	<50							
1,1,1,2-Tetrachloroethane	8080273			ug/kg wet	N/A	25	<25							
1,1,2,2-Tetrachloroethane	8080273			ug/kg wet	N/A	25	<25							
Tetrachloroethene	8080273			ug/kg wet	N/A	25	<25							
Toluene	8080273			ug/kg wet	N/A	25	<25							
1,2,3-Trichlorobenzene	8080273			ug/kg wet	N/A	25	<25							
1,2,4-Trichlorobenzene	8080273			ug/kg wet	N/A	25	<25							
1,1,1-Trichloroethane	8080273			ug/kg wet	N/A	25	<25							
1,1,2-Trichloroethane	8080273			ug/kg wet	N/A	35	<35							
Trichloroethene	8080273			ug/kg wet	N/A	25	<25							
Trichlorofluoromethane	8080273			ug/kg wet	N/A	25	<25							
1,2,3-Trichloropropane	8080273			ug/kg wet	N/A	50	<50							
1,2,4-Trimethylbenzene	8080273			ug/kg wet	N/A	25	<25							
1,3,5-Trimethylbenzene	8080273			ug/kg wet	N/A	25	<25							
Vinyl chloride	8080273			ug/kg wet	N/A	35	<35							
Xylenes, total	8080273			ug/kg wet	N/A	85	<85							
Surrogate: Dibromofluoromethane	8080273			ug/kg wet					102		82-112			
Surrogate: Toluene-d8	8080273			ug/kg wet					99		91-106			
Surrogate: 4-Bromofluorobenzene	8080273			ug/kg wet					92		89-110			

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CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
Benzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2360		94		80-120			
Bromobenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
Bromochloromethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2320		93		80-120			
Bromodichloromethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2420		97		80-120			
Bromoform	8H12008		2500.0	ug/kg wet	N/A	N/A	2490		99		80-120			
Bromomethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2240		89		80-120			
n-Butylbenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
sec-Butylbenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
tert-Butylbenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2360		94		80-120			
Carbon Tetrachloride	8H12008		2500.0	ug/kg wet	N/A	N/A	2370		95		80-120			
Chlorobenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2320		93		80-120			
Chlorodibromomethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2500		100		80-120			
Chloroethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2240		90		80-120			
Chloroform	8H12008		2500.0	ug/kg wet	N/A	N/A	2310		92		80-120			
Chloromethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2120		85		80-120			
2-Chlorotoluene	8H12008		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
4-Chlorotoluene	8H12008		2500.0	ug/kg wet	N/A	N/A	2330		93		80-120			
1,2-Dibromo-3-chloropropane	8H12008		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
1,2-Dibromoethane (EDB)	8H12008		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
Dibromomethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
1,2-Dichlorobenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2370		95		80-120			
1,3-Dichlorobenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2300		92		80-120			
1,4-Dichlorobenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
Dichlorodifluoromethane	8H12008		2500.0	ug/kg wet	N/A	N/A	1910		76		80-120			C9
1,1-Dichloroethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2280		91		80-120			
1,2-Dichloroethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2270		91		80-120			
1,1-Dichloroethene	8H12008		2500.0	ug/kg wet	N/A	N/A	2340		94		80-120			
cis-1,2-Dichloroethene	8H12008		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			
trans-1,2-Dichloroethene	8H12008		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
1,2-Dichloropropane	8H12008		2500.0	ug/kg wet	N/A	N/A	2390		95		80-120			
1,3-Dichloropropane	8H12008		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
2,2-Dichloropropane	8H12008		2500.0	ug/kg wet	N/A	N/A	2330		93		80-120			
1,1-Dichloropropene	8H12008		2500.0	ug/kg wet	N/A	N/A	2500		100		80-120			
cis-1,3-Dichloropropene	8H12008		2500.0	ug/kg wet	N/A	N/A	2540		101		80-120			
trans-1,3-Dichloropropene	8H12008		2500.0	ug/kg wet	N/A	N/A	2520		101		80-120			
2,3-Dichloropropene	8H12008		2500.0	ug/kg wet	N/A	N/A	2690		107		80-120			
Isopropyl Ether	8H12008		2500.0	ug/kg wet	N/A	N/A	2630		105		80-120			
Ethylbenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2390		95		80-120			
Hexachlorobutadiene	8H12008		2500.0	ug/kg wet	N/A	N/A	2260		90		80-120			
Isopropylbenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2400		96		80-120			
p-Isopropyltoluene	8H12008		2500.0	ug/kg wet	N/A	N/A	2420		97		80-120			
Methylene Chloride	8H12008		2500.0	ug/kg wet	N/A	N/A	2330		93		80-120			
Methyl tert-Butyl Ether	8H12008		2500.0	ug/kg wet	N/A	N/A	2350		94		80-120			
Naphthalene	8H12008		2500.0	ug/kg wet	N/A	N/A	2320		93		80-120			
n-Propylbenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2380		95		80-120			

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CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
Styrene	8H12008		2500.0	ug/kg wet	N/A	N/A	2430		97		80-120			
1,1,1,2-Tetrachloroethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2480		99		80-120			
1,1,2,2-Tetrachloroethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2310		92		80-120			
Tetrachloroethene	8H12008		2500.0	ug/kg wet	N/A	N/A	2310		92		80-120			
Toluene	8H12008		2500.0	ug/kg wet	N/A	N/A	2360		94		80-120			
1,2,3-Trichlorobenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2340		93		80-120			
1,2,4-Trichlorobenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2290		91		80-120			
1,1,1-Trichloroethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2300		92		80-120			
1,1,2-Trichloroethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2320		93		80-120			
Trichloroethene	8H12008		2500.0	ug/kg wet	N/A	N/A	2370		95		80-120			
Trichlorofluoromethane	8H12008		2500.0	ug/kg wet	N/A	N/A	2210		88		80-120			
1,2,3-Trichloropropane	8H12008		2500.0	ug/kg wet	N/A	N/A	2270		91		80-120			
1,2,4-Trimethylbenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2390		96		80-120			
1,3,5-Trimethylbenzene	8H12008		2500.0	ug/kg wet	N/A	N/A	2420		97		80-120			
Vinyl chloride	8H12008		2500.0	ug/kg wet	N/A	N/A	2200		88		80-120			
Xylenes, total	8H12008		7500.0	ug/kg wet	N/A	N/A	7220		96		80-120			
Surrogate: Dibromofluoromethane	8H12008			ug/kg wet					98		80-120			
Surrogate: Toluene-d8	8H12008			ug/kg wet					100		80-120			
Surrogate: 4-Bromofluorobenzene	8H12008			ug/kg wet					100		80-120			

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0290
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/13/08 11:20

LABORATORY DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
General Chemistry Parameters													
QC Source Sample: WRH0297-01													
% Solids	8080293	85.1		%	N/A	N/A	84.6				1	20	
QC Source Sample: WRH0297-03													
% Solids	8080293	93.1		%	N/A	N/A	92.6				1	20	

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Work Order: WRH0290
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/13/08 11:20

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
Benzene	8080273		2500.0	ug/kg wet	N/A	N/A	2390		96		64-124			
Bromobenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2480		99		70-130			
Bromochloromethane	8080273		2500.0	ug/kg wet	N/A	N/A	2350		94		70-130			
Bromodichloromethane	8080273		2500.0	ug/kg wet	N/A	N/A	2400		96		70-130			
Bromoform	8080273		2500.0	ug/kg wet	N/A	N/A	2550		102		70-130			
Bromomethane	8080273		2500.0	ug/kg wet	N/A	N/A	2500		100		70-130			
n-Butylbenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2470		99		70-130			
sec-Butylbenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2440		98		70-130			
tert-Butylbenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2470		99		70-130			
Carbon Tetrachloride	8080273		2500.0	ug/kg wet	N/A	N/A	2510		100		70-130			
Chlorobenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2370		95		80-123			
Chlorodibromomethane	8080273		2500.0	ug/kg wet	N/A	N/A	2570		103		70-130			
Chloroethane	8080273		2500.0	ug/kg wet	N/A	N/A	2450		98		70-130			
Chloroform	8080273		2500.0	ug/kg wet	N/A	N/A	2300		92		70-130			
Chloromethane	8080273		2500.0	ug/kg wet	N/A	N/A	2690		108		70-130			
2-Chlorotoluene	8080273		2500.0	ug/kg wet	N/A	N/A	2420		97		70-130			
4-Chlorotoluene	8080273		2500.0	ug/kg wet	N/A	N/A	2400		96		70-130			
1,2-Dibromo-3-chloropropane	8080273		2500.0	ug/kg wet	N/A	N/A	2440		98		70-130			
1,2-Dibromoethane (EDB)	8080273		2500.0	ug/kg wet	N/A	N/A	2350		94		70-130			
Dibromomethane	8080273		2500.0	ug/kg wet	N/A	N/A	2320		93		70-130			
1,2-Dichlorobenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2440		98		70-130			
1,3-Dichlorobenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2360		94		70-130			
1,4-Dichlorobenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2440		98		70-130			
Dichlorodifluoromethane	8080273		2500.0	ug/kg wet	N/A	N/A	2560		102		70-130			C9
1,1-Dichloroethane	8080273		2500.0	ug/kg wet	N/A	N/A	2320		93		70-130			
1,2-Dichloroethane	8080273		2500.0	ug/kg wet	N/A	N/A	2240		90		70-130			
1,1-Dichloroethene	8080273		2500.0	ug/kg wet	N/A	N/A	2510		100		43-141			
cis-1,2-Dichloroethene	8080273		2500.0	ug/kg wet	N/A	N/A	2430		97		70-130			
trans-1,2-Dichloroethene	8080273		2500.0	ug/kg wet	N/A	N/A	2460		99		70-130			
1,2-Dichloropropane	8080273		2500.0	ug/kg wet	N/A	N/A	2370		95		70-130			
1,3-Dichloropropane	8080273		2500.0	ug/kg wet	N/A	N/A	2340		93		70-130			
2,2-Dichloropropane	8080273		2500.0	ug/kg wet	N/A	N/A	2420		97		70-130			
1,1-Dichloropropene	8080273		2500.0	ug/kg wet	N/A	N/A	2550		102		70-130			
cis-1,3-Dichloropropene	8080273		2500.0	ug/kg wet	N/A	N/A	2520		101		70-130			
trans-1,3-Dichloropropene	8080273		2500.0	ug/kg wet	N/A	N/A	2530		101		70-130			
Ethylbenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2420		97		79-122			
Hexachlorobutadiene	8080273		2500.0	ug/kg wet	N/A	N/A	2410		96		70-130			
Isopropylbenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2040		82		70-130			
p-Isopropyltoluene	8080273		2500.0	ug/kg wet	N/A	N/A	2480		99		70-130			
Methylene Chloride	8080273		2500.0	ug/kg wet	N/A	N/A	2360		95		70-130			
Methyl tert-Butyl Ether	8080273		2406.2	ug/kg wet	N/A	N/A	2390		99		55-137			
Naphthalene	8080273		2500.0	ug/kg wet	N/A	N/A	2410		97		70-130			
n-Propylbenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2440		98		70-130			
Styrene	8080273		2500.0	ug/kg wet	N/A	N/A	2440		97		70-130			
1,1,1,2-Tetrachloroethane	8080273		2500.0	ug/kg wet	N/A	N/A	2520		101		70-130			

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0290
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/13/08 11:20

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
1,1,2,2-Tetrachloroethane	8080273		2500.0	ug/kg wet	N/A	N/A	2360		94		70-130			
Tetrachloroethene	8080273		2500.0	ug/kg wet	N/A	N/A	2390		95		70-130			
Toluene	8080273		2500.0	ug/kg wet	N/A	N/A	2370		95		78-120			
1,2,3-Trichlorobenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2470		99		70-130			
1,2,4-Trichlorobenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2380		95		70-130			
1,1,1-Trichloroethane	8080273		2500.0	ug/kg wet	N/A	N/A	2380		95		70-130			
1,1,2-Trichloroethane	8080273		2500.0	ug/kg wet	N/A	N/A	2340		94		70-130			
Trichloroethene	8080273		2500.0	ug/kg wet	N/A	N/A	2380		95		78-124			
Trichlorofluoromethane	8080273		2500.0	ug/kg wet	N/A	N/A	2380		95		70-130			
1,2,3-Trichloropropane	8080273		2500.0	ug/kg wet	N/A	N/A	2260		90		70-130			
1,2,4-Trimethylbenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2440		97		75-128			
1,3,5-Trimethylbenzene	8080273		2500.0	ug/kg wet	N/A	N/A	2470		99		76-127			
Vinyl chloride	8080273		2500.0	ug/kg wet	N/A	N/A	2500		100		70-130			
Xylenes, total	8080273		7500.0	ug/kg wet	N/A	N/A	7260		97		79-122			
Surrogate: Dibromofluoromethane	8080273			ug/kg wet					97		82-112			
Surrogate: Toluene-d8	8080273			ug/kg wet					100		91-106			
Surrogate: 4-Bromofluorobenzene	8080273			ug/kg wet					100		89-110			

GILES ENGINEERING - WISCONSIN
N8 W22350 Johnson Road
Waukesha, WI 53186
Mr. Kevin Bugel

Work Order: WRH0290
Project: 1E-0807026 Green Bay, WI
Project Number: 1631 Brookfield Ave.

Received: 08/08/08
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CERTIFICATION SUMMARY

TestAmerica Watertown

Method	Matrix	Nelac	Wisconsin
SW 5035	Solid/Soil	X	X
SW 8260B	Solid/Soil	X	X

DATA QUALIFIERS AND DEFINITIONS

C9 Calibration Verification recovery was outside the method control limits for this analyte. The LCS for this analyte met CCV acceptance criteria, and was used to validate the batch.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

Giles Engineering Associates, Inc.

- N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186
- 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807
- 8300 Guilford Road, Suite F1, Columbia, MD 21046
- 10722 North Stemmons Freeway, Dallas, TX 75220
- 2830 Agriculture Drive, Madison, WI 53718
- 3990 Flowers Road, Suite 530, Atlanta, GA 30360

- tel: 414-544-0118
- tel: 714-779-0052
- tel: 410-312-9950
- tel: 214-358-5885
- tel: 608-223-1853
- tel: 770-458-3399

CHAIN-OF-CUSTODY

- closure sample
- confirmation required (NR720)
- RUSH

POSSIBLE HAZARDS:

WRH0290

Site Commercial

Address 1631 Brookfield Avenue

Green Bay, Wisconsin

Sample Collector <u>Greg Roushause</u>	Project Manager <u>Kevin Buge!</u>	Project Number <u>1E-DAD7026</u>
Laboratory Used <u>Test America</u>	Lab Contact <u>Don M.</u>	Lab Job Number

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	Analysis Required							Number and Type of Containers	Due Date	Lab ID	Temp	
						GRO	DRO	VOC	PTOC	BTEX	Sample Preservative						
HP-1	2-4'	S	8/1/08	AM								1611H	MOH	STD			TSC
HP-1	2-4'	S	8/7/08	AM								1611H	MOH	STD			
HP-2	2-4'	S	8/7/08	AM								1611H	MOH	STD			
MOH Blank				AM								ID	MOH	STD			
				PM													
				AM													
				PM													
				AM													
				PM													
				AM													
				PM													
				AM													
				PM													
				AM													
				PM													

container code: A = 8 oz/250 ml, B = 4 oz/120 ml

C = 2 oz/60 ml MOH, D = 40 mL VOA via MOH

E = 1 L Amber, F = 250 mL plastic

G = poly bag, H = plastic & solids

Requiring By: [Signature] Date: 8/1/08 Time: 12:00 PM Received By: [Signature]

Requiring By: [Signature] Date: 8/7/08 Time: 13:00 PM Received By: [Signature]

Invoice TO: Giles Engineering Associates, Inc. Invoice TO: Giles Engineering Associates, Inc.

Report TO: Giles Engineering Associates, Inc. Report TO: Giles Engineering Associates, Inc.

Page 1 of 1

Lab Job Number: Buge!

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Watertown

1101 Industrial Drive, Suites 9 & 10

Watertown, WI 53094

Tel: 800-833-7036

TestAmerica Job ID: WUF0128

Client Project/Site: 1631 Brookfield Ave.

Client Project Description: 1E-1105023 Green Bay, WI

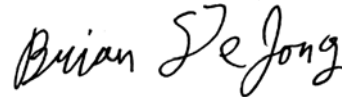
For:

GILES ENGINEERING - WISCONSIN

N8 W22350 Johnson Road

Waukesha, WI 53186

Attn: Mr. Tim Taugher



Authorized for release by:

06/13/2011 08:39:57 AM

Brian DeJong

Organics Manager

Brian.DeJong@testamericainc.com

Designee for

Dan F. Milewsky

Project Manager

Dan.Milewsky@testamericainc.com

LINKS

Review your project
results through

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



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Definitions/Glossary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Detection Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: MW-2 2-3'

Lab Sample ID: WUF0128-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	250		110	29	ug/kg dry	1.0	*	SW 8260B	Total

Client Sample ID: MW-3 2-3'

Lab Sample ID: WUF0128-02

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2500		110	28	ug/kg dry	1.0	*	SW 8260B	Total

Client Sample ID: MW-4 2-3'

Lab Sample ID: WUF0128-03

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	60	J	110	27	ug/kg dry	1.0	*	SW 8260B	Total
Trichloroethene	29	J	110	27	ug/kg dry	1.0	*	SW 8260B	Total

Client Sample ID: GP-2 2-3'

Lab Sample ID: WUF0128-04

No Detections.

Client Sample ID: GP-3 2-3'

Lab Sample ID: WUF0128-05

No Detections.

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: MW-2 2-3'

Lab Sample ID: WUF0128-01

Date Collected: 06/01/11 12:30

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 87.5

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Bromobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Bromochloromethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Bromodichloromethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Bromoform	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Bromomethane	<110		290	110	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
n-Butylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
sec-Butylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
tert-Butylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Carbon Tetrachloride	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Chlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Chlorodibromomethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Chloroethane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Chloroform	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Chloromethane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
2-Chlorotoluene	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
4-Chlorotoluene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,2-Dibromo-3-chloropropane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,2-Dibromoethane (EDB)	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Dibromomethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,2-Dichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,3-Dichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,4-Dichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Dichlorodifluoromethane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,1-Dichloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,2-Dichloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,1-Dichloroethene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
cis-1,2-Dichloroethene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
trans-1,2-Dichloroethene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,2-Dichloropropane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,3-Dichloropropane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
2,2-Dichloropropane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,1-Dichloropropene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
cis-1,3-Dichloropropene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
trans-1,3-Dichloropropene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Isopropyl Ether	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Ethylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Hexachlorobutadiene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Isopropylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
p-Isopropyltoluene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Methylene Chloride	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Methyl tert-Butyl Ether	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Naphthalene	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
n-Propylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Styrene	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,1,1,2-Tetrachloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,1,2,2-Tetrachloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Tetrachloroethene	250		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
Toluene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0
1,2,3-Trichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 18:17	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: MW-2 2-3'

Lab Sample ID: WUF0128-01

Date Collected: 06/01/11 12:30

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 87.5

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<29		110	29	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
1,1,1-Trichloroethane	<29		110	29	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
1,1,2-Trichloroethane	<29		110	29	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
Trichloroethene	<29		110	29	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
Trichlorofluoromethane	<29		110	29	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
1,2,3-Trichloropropane	<57		110	57	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
1,2,4-Trimethylbenzene	<29		110	29	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
1,3,5-Trimethylbenzene	<29		110	29	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
Vinyl chloride	<29		110	29	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
Xylenes, total	<86		340	86	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:17	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	98		80 - 120				06/09/11 14:31	06/09/11 18:17	1.0
Toluene-d8	99		80 - 120				06/09/11 14:31	06/09/11 18:17	1.0
4-Bromofluorobenzene	98		80 - 120				06/09/11 14:31	06/09/11 18:17	1.0

Client Sample ID: MW-3 2-3'

Lab Sample ID: WUF0128-02

Date Collected: 06/01/11 11:45

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 90.3

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Bromobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Bromochloromethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Bromodichloromethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Bromoform	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Bromomethane	<110		280	110	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
n-Butylbenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
sec-Butylbenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
tert-Butylbenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Carbon Tetrachloride	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Chlorobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Chlorodibromomethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Chloroethane	<55		110	55	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Chloroform	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Chloromethane	<55		110	55	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
2-Chlorotoluene	<55		110	55	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
4-Chlorotoluene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
1,2-Dibromo-3-chloropropane	<55		110	55	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
1,2-Dibromoethane (EDB)	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Dibromomethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
1,2-Dichlorobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
1,3-Dichlorobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
1,4-Dichlorobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
Dichlorodifluoromethane	<55		110	55	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
1,1-Dichloroethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
1,2-Dichloroethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
1,1-Dichloroethene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
cis-1,2-Dichloroethene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0
trans-1,2-Dichloroethene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 18:44	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: MW-3 2-3'

Lab Sample ID: WUF0128-02

Date Collected: 06/01/11 11:45

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 90.3

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,3-Dichloropropane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
2,2-Dichloropropane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,1-Dichloropropene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
cis-1,3-Dichloropropene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
trans-1,3-Dichloropropene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Isopropyl Ether	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Ethylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Hexachlorobutadiene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Isopropylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
p-Isopropyltoluene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Methylene Chloride	<55		110	55	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Methyl tert-Butyl Ether	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Naphthalene	<55		110	55	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
n-Propylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Styrene	<55		110	55	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,1,1,2-Tetrachloroethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,1,2,2-Tetrachloroethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Tetrachloroethene	2500		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Toluene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,2,3-Trichlorobenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,2,4-Trichlorobenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,1,1-Trichloroethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,1,2-Trichloroethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Trichloroethene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Trichlorofluoromethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,2,3-Trichloropropane	<55		110	55	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,2,4-Trimethylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
1,3,5-Trimethylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Vinyl chloride	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0
Xylenes, total	<83		330	83	ug/kg dry	*	06/09/11 14:31	06/09/11 18:44	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		80 - 120	06/09/11 14:31	06/09/11 18:44	1.0
Toluene-d8	99		80 - 120	06/09/11 14:31	06/09/11 18:44	1.0
4-Bromofluorobenzene	99		80 - 120	06/09/11 14:31	06/09/11 18:44	1.0

Client Sample ID: MW-4 2-3'

Lab Sample ID: WUF0128-03

Date Collected: 06/01/11 11:00

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 94.3

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Bromobenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Bromochloromethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Bromodichloromethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Bromoform	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Bromomethane	<110		270	110	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
n-Butylbenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
sec-Butylbenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0

TestAmerica Watertown

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: MW-4 2-3'

Lab Sample ID: WUF0128-03

Date Collected: 06/01/11 11:00

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 94.3

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Carbon Tetrachloride	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Chlorobenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Chlorodibromomethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Chloroethane	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Chloroform	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Chloromethane	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
2-Chlorotoluene	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
4-Chlorotoluene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2-Dibromo-3-chloropropane	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2-Dibromoethane (EDB)	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Dibromomethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2-Dichlorobenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,3-Dichlorobenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,4-Dichlorobenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Dichlorodifluoromethane	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,1-Dichloroethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2-Dichloroethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,1-Dichloroethene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
cis-1,2-Dichloroethene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
trans-1,2-Dichloroethene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2-Dichloropropane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,3-Dichloropropane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
2,2-Dichloropropane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,1-Dichloropropene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
cis-1,3-Dichloropropene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
trans-1,3-Dichloropropene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Isopropyl Ether	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Ethylbenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Hexachlorobutadiene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Isopropylbenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
p-Isopropyltoluene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Methylene Chloride	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Methyl tert-Butyl Ether	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Naphthalene	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
n-Propylbenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Styrene	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,1,1,2-Tetrachloroethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,1,2,2-Tetrachloroethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Tetrachloroethene	60	J	110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Toluene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2,3-Trichlorobenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2,4-Trichlorobenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,1,1-Trichloroethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,1,2-Trichloroethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Trichloroethene	29	J	110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
Trichlorofluoromethane	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2,3-Trichloropropane	<53		110	53	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,2,4-Trimethylbenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0
1,3,5-Trimethylbenzene	<27		110	27	ug/kg dry	*	06/09/11 14:31	06/09/11 19:11	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: MW-4 2-3'

Lab Sample ID: WUF0128-03

Date Collected: 06/01/11 11:00

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 94.3

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<27		110	27	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:11	1.0
Xylenes, total	<80		320	80	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:11	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99		80 - 120				06/09/11 14:31	06/09/11 19:11	1.0
Toluene-d8	99		80 - 120				06/09/11 14:31	06/09/11 19:11	1.0
4-Bromofluorobenzene	99		80 - 120				06/09/11 14:31	06/09/11 19:11	1.0

Client Sample ID: GP-2 2-3'

Lab Sample ID: WUF0128-04

Date Collected: 06/01/11 14:35

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 88.8

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Bromobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Bromochloromethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Bromodichloromethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Bromoform	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Bromomethane	<110		280	110	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
n-Butylbenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
sec-Butylbenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
tert-Butylbenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Carbon Tetrachloride	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Chlorobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Chlorodibromomethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Chloroethane	<56		110	56	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Chloroform	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Chloromethane	<56		110	56	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
2-Chlorotoluene	<56		110	56	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
4-Chlorotoluene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,2-Dibromo-3-chloropropane	<56		110	56	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,2-Dibromoethane (EDB)	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Dibromomethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,2-Dichlorobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,3-Dichlorobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,4-Dichlorobenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Dichlorodifluoromethane	<56		110	56	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,1-Dichloroethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,2-Dichloroethane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,1-Dichloroethene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
cis-1,2-Dichloroethene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
trans-1,2-Dichloroethene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,2-Dichloropropane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,3-Dichloropropane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
2,2-Dichloropropane	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
1,1-Dichloropropene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
cis-1,3-Dichloropropene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
trans-1,3-Dichloropropene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Isopropyl Ether	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0
Ethylbenzene	<28		110	28	ug/kg dry	☼	06/09/11 14:31	06/09/11 19:38	1.0

TestAmerica Watertown

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: GP-2 2-3'

Lab Sample ID: WUF0128-04

Date Collected: 06/01/11 14:35

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 88.8

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Isopropylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
p-Isopropyltoluene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Methylene Chloride	<56		110	56	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Methyl tert-Butyl Ether	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Naphthalene	<56		110	56	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
n-Propylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Styrene	<56		110	56	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,1,1,2-Tetrachloroethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,1,2,2-Tetrachloroethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Tetrachloroethene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Toluene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,2,3-Trichlorobenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,2,4-Trichlorobenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,1,1-Trichloroethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,1,2-Trichloroethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Trichloroethene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Trichlorofluoromethane	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,2,3-Trichloropropane	<56		110	56	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,2,4-Trimethylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
1,3,5-Trimethylbenzene	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Vinyl chloride	<28		110	28	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0
Xylenes, total	<84		340	84	ug/kg dry	*	06/09/11 14:31	06/09/11 19:38	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99		80 - 120	06/09/11 14:31	06/09/11 19:38	1.0
Toluene-d8	99		80 - 120	06/09/11 14:31	06/09/11 19:38	1.0
4-Bromofluorobenzene	99		80 - 120	06/09/11 14:31	06/09/11 19:38	1.0

Client Sample ID: GP-3 2-3'

Lab Sample ID: WUF0128-05

Date Collected: 06/01/11 13:25

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 87.2

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Bromobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Bromochloromethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Bromodichloromethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Bromoform	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Bromomethane	<110		290	110	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
n-Butylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
sec-Butylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
tert-Butylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Carbon Tetrachloride	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Chlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Chlorodibromomethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Chloroethane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Chloroform	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Chloromethane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
2-Chlorotoluene	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: GP-3 2-3'

Lab Sample ID: WUF0128-05

Date Collected: 06/01/11 13:25

Matrix: Soil

Date Received: 06/03/11 17:11

Percent Solids: 87.2

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2-Dibromo-3-chloropropane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2-Dibromoethane (EDB)	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Dibromomethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2-Dichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,3-Dichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,4-Dichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Dichlorodifluoromethane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,1-Dichloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2-Dichloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,1-Dichloroethene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
cis-1,2-Dichloroethene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
trans-1,2-Dichloroethene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2-Dichloropropane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,3-Dichloropropane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
2,2-Dichloropropane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,1-Dichloropropene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
cis-1,3-Dichloropropene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
trans-1,3-Dichloropropene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Isopropyl Ether	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Ethylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Hexachlorobutadiene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Isopropylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
p-Isopropyltoluene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Methylene Chloride	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Methyl tert-Butyl Ether	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Naphthalene	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
n-Propylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Styrene	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,1,1,2-Tetrachloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,1,2,2-Tetrachloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Tetrachloroethene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Toluene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2,3-Trichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2,4-Trichlorobenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,1,1-Trichloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,1,2-Trichloroethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Trichloroethene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Trichlorofluoromethane	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2,3-Trichloropropane	<57		110	57	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,2,4-Trimethylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
1,3,5-Trimethylbenzene	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Vinyl chloride	<29		110	29	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0
Xylenes, total	<86		340	86	ug/kg dry	*	06/09/11 14:31	06/09/11 20:05	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	102		80 - 120	06/09/11 14:31	06/09/11 20:05	1.0
Toluene-d8	98		80 - 120	06/09/11 14:31	06/09/11 20:05	1.0
4-Bromofluorobenzene	99		80 - 120	06/09/11 14:31	06/09/11 20:05	1.0

Surrogate Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Method: SW 8260B - VOCs by SW8260B

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (80-120)	TOL (80-120)	BFB (80-120)
WUF0128-01	MW-2 2-3'	98	99	98
WUF0128-02	MW-3 2-3'	100	99	99
WUF0128-03	MW-4 2-3'	99	99	99
WUF0128-04	GP-2 2-3'	99	99	99
WUF0128-05	GP-3 2-3'	102	98	99

Surrogate Legend

DBFM = Dibromofluoromethane

TOL = Toluene-d8

BFB = 4-Bromofluorobenzene

Method: SW 8260B - VOCs by SW8260B

Matrix: Solid/Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (80-120)	TOL (80-120)	BFB (80-120)
11F0129-BLK1	Method Blank	99	99	98
11F0129-BS1	Lab Control Sample	106	99	99

Surrogate Legend

DBFM = Dibromofluoromethane

TOL = Toluene-d8

BFB = 4-Bromofluorobenzene

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Method: SW 8260B - VOCs by SW8260B

Lab Sample ID: 11F0129-BLK1

Matrix: Solid/Soil

Analysis Batch: U000789

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11F0129_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Bromobenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Bromochloromethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Bromodichloromethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Bromoform	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Bromomethane	<100		250	100	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
n-Butylbenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
sec-Butylbenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
tert-Butylbenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Carbon Tetrachloride	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Chlorobenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Chlorodibromomethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Chloroethane	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Chloroform	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Chloromethane	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
2-Chlorotoluene	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
4-Chlorotoluene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,2-Dibromo-3-chloropropane	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,2-Dibromoethane (EDB)	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Dibromomethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,2-Dichlorobenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,3-Dichlorobenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,4-Dichlorobenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Dichlorodifluoromethane	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,1-Dichloroethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,2-Dichloroethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,1-Dichloroethene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
cis-1,2-Dichloroethene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
trans-1,2-Dichloroethene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,2-Dichloropropane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,3-Dichloropropane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
2,2-Dichloropropane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,1-Dichloropropene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
cis-1,3-Dichloropropene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
trans-1,3-Dichloropropene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Isopropyl Ether	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Ethylbenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Hexachlorobutadiene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Isopropylbenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
p-Isopropyltoluene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Methylene Chloride	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Methyl tert-Butyl Ether	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Naphthalene	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
n-Propylbenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Styrene	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,1,1,2-Tetrachloroethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,1,1,2,2-Tetrachloroethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Tetrachloroethene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Toluene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0129-BLK1

Matrix: Solid/Soil

Analysis Batch: U000789

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11F0129_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,2,4-Trichlorobenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,1,1-Trichloroethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,1,2-Trichloroethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Trichloroethene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Trichlorofluoromethane	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,2,3-Trichloropropane	<50		100	50	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,2,4-Trimethylbenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
1,3,5-Trimethylbenzene	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Vinyl chloride	<25		100	25	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00
Xylenes, total	<75		300	75	ug/kg wet		06/09/11 10:19	06/09/11 13:21	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99		80 - 120	06/09/11 10:19	06/09/11 13:21	1.00
Toluene-d8	99		80 - 120	06/09/11 10:19	06/09/11 13:21	1.00
4-Bromofluorobenzene	98		80 - 120	06/09/11 10:19	06/09/11 13:21	1.00

Lab Sample ID: 11F0129-BS1

Matrix: Solid/Soil

Analysis Batch: U000789

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11F0129_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	2500.0	2410		ug/kg		96	80 - 120
Bromobenzene	2500.0	2390		ug/kg		95	80 - 120
Bromochloromethane	2500.0	2430		ug/kg		97	80 - 120
Bromodichloromethane	2500.0	2420		ug/kg		97	80 - 120
Bromoform	2500.0	2370		ug/kg		95	80 - 120
Bromomethane	2500.0	2500		ug/kg		100	60 - 140
n-Butylbenzene	2500.0	2440		ug/kg		97	80 - 120
sec-Butylbenzene	2500.0	2440		ug/kg		97	80 - 120
tert-Butylbenzene	2500.0	2410		ug/kg		96	80 - 120
Carbon Tetrachloride	2500.0	2530		ug/kg		101	60 - 140
Chlorobenzene	2500.0	2330		ug/kg		93	80 - 120
Chlorodibromomethane	2500.0	2380		ug/kg		95	80 - 120
Chloroethane	2500.0	2470		ug/kg		99	60 - 140
Chloroform	2500.0	2500		ug/kg		100	80 - 120
Chloromethane	2500.0	2450		ug/kg		98	60 - 140
2-Chlorotoluene	2500.0	2380		ug/kg		95	80 - 120
4-Chlorotoluene	2500.0	2370		ug/kg		95	80 - 120
1,2-Dibromo-3-chloropropane	2500.0	2340		ug/kg		94	60 - 140
1,2-Dibromoethane (EDB)	2500.0	2270		ug/kg		91	80 - 120
Dibromomethane	2500.0	2370		ug/kg		95	80 - 120
1,2-Dichlorobenzene	2500.0	2280		ug/kg		91	80 - 120
1,3-Dichlorobenzene	2500.0	2370		ug/kg		95	80 - 120
1,4-Dichlorobenzene	2500.0	2360		ug/kg		94	80 - 120
Dichlorodifluoromethane	2500.0	2440		ug/kg		98	60 - 140
1,1-Dichloroethane	2500.0	2520		ug/kg		101	80 - 120
1,2-Dichloroethane	2500.0	2490		ug/kg		100	80 - 120
1,1-Dichloroethene	2500.0	2500		ug/kg		100	80 - 120

TestAmerica Watertown

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0129-BS1

Matrix: Solid/Soil

Analysis Batch: U000789

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11F0129_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
cis-1,2-Dichloroethene	2500.0	2480		ug/kg		99	80 - 120
trans-1,2-Dichloroethene	2500.0	2450		ug/kg		98	80 - 120
1,2-Dichloropropane	2500.0	2430		ug/kg		97	80 - 120
1,3-Dichloropropane	2500.0	2330		ug/kg		93	80 - 120
2,2-Dichloropropane	2500.0	2540		ug/kg		102	60 - 140
1,1-Dichloropropene	2500.0	2560		ug/kg		102	80 - 120
cis-1,3-Dichloropropene	2500.0	2460		ug/kg		98	80 - 120
trans-1,3-Dichloropropene	2500.0	2420		ug/kg		97	80 - 120
Isopropyl Ether	2500.0	2520		ug/kg		101	80 - 120
Ethylbenzene	2500.0	2370		ug/kg		95	80 - 120
Hexachlorobutadiene	2500.0	2320		ug/kg		93	60 - 140
Isopropylbenzene	2500.0	2400		ug/kg		96	80 - 120
p-Isopropyltoluene	2500.0	2450		ug/kg		98	80 - 120
Methylene Chloride	2500.0	2440		ug/kg		98	80 - 120
Methyl tert-Butyl Ether	2500.0	2440		ug/kg		98	80 - 120
Naphthalene	2500.0	2210		ug/kg		89	60 - 140
n-Propylbenzene	2500.0	2440		ug/kg		97	80 - 120
Styrene	2500.0	2390		ug/kg		96	80 - 120
1,1,1,2-Tetrachloroethane	2500.0	2440		ug/kg		97	80 - 120
1,1,2,2-Tetrachloroethane	2500.0	2270		ug/kg		91	80 - 120
Tetrachloroethene	2500.0	2380		ug/kg		95	80 - 120
Toluene	2500.0	2360		ug/kg		94	80 - 120
1,2,3-Trichlorobenzene	2500.0	2250		ug/kg		90	80 - 120
1,2,4-Trichlorobenzene	2500.0	2310		ug/kg		92	80 - 120
1,1,1-Trichloroethane	2500.0	2570		ug/kg		103	80 - 120
1,1,2-Trichloroethane	2500.0	2270		ug/kg		91	80 - 120
Trichloroethene	2500.0	2400		ug/kg		96	80 - 120
Trichlorofluoromethane	2500.0	2510		ug/kg		101	80 - 120
1,2,3-Trichloropropane	2500.0	2260		ug/kg		90	80 - 120
1,2,4-Trimethylbenzene	2500.0	2410		ug/kg		96	80 - 120
1,3,5-Trimethylbenzene	2500.0	2410		ug/kg		96	80 - 120
Vinyl chloride	2500.0	2530		ug/kg		101	80 - 120
Xylenes, total	7500.0	7130		ug/kg		95	80 - 120

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Dibromofluoromethane	106		80 - 120
Toluene-d8	99		80 - 120
4-Bromofluorobenzene	99		80 - 120

QC Association Summary

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

GCMS Volatiles

Analysis Batch: U000789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F0129-BS1	Lab Control Sample	Total	Solid/Soil	SW 8260B	11F0129_P
11F0129-BLK1	Method Blank	Total	Solid/Soil	SW 8260B	11F0129_P
WUF0128-01	MW-2 2-3'	Total	Soil	SW 8260B	11F0129_P
WUF0128-02	MW-3 2-3'	Total	Soil	SW 8260B	11F0129_P
WUF0128-03	MW-4 2-3'	Total	Soil	SW 8260B	11F0129_P
WUF0128-04	GP-2 2-3'	Total	Soil	SW 8260B	11F0129_P
WUF0128-05	GP-3 2-3'	Total	Soil	SW 8260B	11F0129_P

Prep Batch: 11F0129_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F0129-BS1	Lab Control Sample	Total	Solid/Soil	SW 5035	
11F0129-BLK1	Method Blank	Total	Solid/Soil	SW 5035	
WUF0128-01	MW-2 2-3'	Total	Soil	SW 5035	
WUF0128-02	MW-3 2-3'	Total	Soil	SW 5035	
WUF0128-03	MW-4 2-3'	Total	Soil	SW 5035	
WUF0128-04	GP-2 2-3'	Total	Soil	SW 5035	
WUF0128-05	GP-3 2-3'	Total	Soil	SW 5035	

WetChem

Analysis Batch: 11F0093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
WUF0128-01	MW-2 2-3'	Total	Soil	SM 2540G	11F0093_P
WUF0128-02	MW-3 2-3'	Total	Soil	SM 2540G	11F0093_P
WUF0128-03	MW-4 2-3'	Total	Soil	SM 2540G	11F0093_P
WUF0128-04	GP-2 2-3'	Total	Soil	SM 2540G	11F0093_P
WUF0128-05	GP-3 2-3'	Total	Soil	SM 2540G	11F0093_P

Prep Batch: 11F0093_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
WUF0128-01	MW-2 2-3'	Total	Soil	NO PREP - WET CHEM	
WUF0128-02	MW-3 2-3'	Total	Soil	NO PREP - WET CHEM	
WUF0128-03	MW-4 2-3'	Total	Soil	NO PREP - WET CHEM	
WUF0128-04	GP-2 2-3'	Total	Soil	NO PREP - WET CHEM	
WUF0128-05	GP-3 2-3'	Total	Soil	NO PREP - WET CHEM	

Lab Chronicle

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: MW-2 2-3'

Date Collected: 06/01/11 12:30

Date Received: 06/03/11 17:11

Lab Sample ID: WUF0128-01

Matrix: Soil

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.0	11F0129_P	06/09/11 14:31	ABA	TAL WT
Total	Analysis	SW 8260B		1.0	U000789	06/09/11 18:17	ABA	TAL WT
Total	Prep	NO PREP - WET CHEM		1.0	11F0093_P	06/07/11 10:45	MMP	TAL WT
Total	Analysis	SM 2540G		1.0	11F0093	06/08/11 07:46	MMP	TAL WT

Client Sample ID: MW-3 2-3'

Date Collected: 06/01/11 11:45

Date Received: 06/03/11 17:11

Lab Sample ID: WUF0128-02

Matrix: Soil

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.0	11F0129_P	06/09/11 14:31	ABA	TAL WT
Total	Analysis	SW 8260B		1.0	U000789	06/09/11 18:44	ABA	TAL WT
Total	Prep	NO PREP - WET CHEM		1.0	11F0093_P	06/07/11 10:45	MMP	TAL WT
Total	Analysis	SM 2540G		1.0	11F0093	06/08/11 07:48	MMP	TAL WT

Client Sample ID: MW-4 2-3'

Date Collected: 06/01/11 11:00

Date Received: 06/03/11 17:11

Lab Sample ID: WUF0128-03

Matrix: Soil

Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.0	11F0129_P	06/09/11 14:31	ABA	TAL WT
Total	Analysis	SW 8260B		1.0	U000789	06/09/11 19:11	ABA	TAL WT
Total	Prep	NO PREP - WET CHEM		1.0	11F0093_P	06/07/11 10:45	MMP	TAL WT
Total	Analysis	SM 2540G		1.0	11F0093	06/08/11 07:50	MMP	TAL WT

Client Sample ID: GP-2 2-3'

Date Collected: 06/01/11 14:35

Date Received: 06/03/11 17:11

Lab Sample ID: WUF0128-04

Matrix: Soil

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.0	11F0129_P	06/09/11 14:31	ABA	TAL WT
Total	Analysis	SW 8260B		1.0	U000789	06/09/11 19:38	ABA	TAL WT
Total	Prep	NO PREP - WET CHEM		1.0	11F0093_P	06/07/11 10:45	MMP	TAL WT
Total	Analysis	SM 2540G		1.0	11F0093	06/08/11 07:52	MMP	TAL WT

Client Sample ID: GP-3 2-3'

Date Collected: 06/01/11 13:25

Date Received: 06/03/11 17:11

Lab Sample ID: WUF0128-05

Matrix: Soil

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	SW 5035		1.0	11F0129_P	06/09/11 14:31	ABA	TAL WT
Total	Analysis	SW 8260B		1.0	U000789	06/09/11 20:05	ABA	TAL WT
Total	Prep	NO PREP - WET CHEM		1.0	11F0093_P	06/07/11 10:45	MMP	TAL WT

Lab Chronicle

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Client Sample ID: GP-3 2-3'

Date Collected: 06/01/11 13:25

Date Received: 06/03/11 17:11

Lab Sample ID: WUF0128-05

Matrix: Soil

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Analysis	SM 2540G		1.0	11F0093	06/08/11 07:54	MMP	TAL WT

Laboratory References:

TAL WT = TestAmerica Watertown, 1101 Industrial Drive, Suites 9 & 10, Watertown, WI 53094, TEL 800-833-7036

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Certification Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Watertown		WI Dept of Agriculture (Micro)		105-266
TestAmerica Watertown	Illinois	NELAC	5	100453
TestAmerica Watertown	Iowa	State Program	7	294
TestAmerica Watertown	Minnesota	NELAC	5	055-999-366
TestAmerica Watertown	Wisconsin	State Program	5	128053530

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Method	Method Description	Protocol	Laboratory
SW 8260B	VOCs by SW8260B		TAL WT
SM 2540G	General Chemistry Parameters		TAL WT

Protocol References:

Laboratory References:

TAL WT = TestAmerica Watertown, 1101 Industrial Drive, Suites 9 & 10, Watertown, WI 53094, TEL 800-833-7036



Sample Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0128

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
WUF0128-01	MW-2 2-3'	Soil	06/01/11 12:30	06/03/11 17:11
WUF0128-02	MW-3 2-3'	Soil	06/01/11 11:45	06/03/11 17:11
WUF0128-03	MW-4 2-3'	Soil	06/01/11 11:00	06/03/11 17:11
WUF0128-04	GP-2 2-3'	Soil	06/01/11 14:35	06/03/11 17:11
WUF0128-05	GP-3 2-3'	Soil	06/01/11 13:25	06/03/11 17:11

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WVFO128

Giles Engineering Associates, Inc.

- NS W22350 Johnson Road Suite A1, Waukesha, WI 53186
- 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807
- 8300 Guilford Road, Suite F1, Columbia, MD 21046
- 10722 North Sternmans Freeway, Dallas, TX 75220
- 2830 Agriculture Drive, Madison, WI 53718
- 3990 Flowers Road, Suite 530, Atlanta, GA 30360

- tel: 414-544-0118
- tel: 714-779-0052
- tel: 410-312-9950
- tel: 214-358-5885
- tel: 608-223-1853
- tel: 770-458-3399

CHAIN-OF-CUSTODY

- fax: 414-549-5868
- fax: 714-779-0068
- fax: 410-312-9955
- fax: 214-358-5884
- fax: 608-223-1854
- fax: 770-458-3998

- closure sample
- confirmation required (NR720)
- RUSH

POSSIBLE HAZARDS:

Site SMOKS Out Cleaners
 Address 1631 Brookfield Ave.
Green Bay, Wisconsin

Sample Collector Ereg Roadhouse Project Manager Tim Tagher Project Number IE-105023
 Laboratory Used Test America Lab Contact Don M. Lab Job Number _____

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen				Analysis Required	Number and Type of Containers	Sample Preservative	Date	Lab ID	Temp
					GRO	GRO	VOC	BTEX						
MW-2	2-3'	S	6/11/11	12:20 PM	BDL									
MW-3	2-3'	S	6/11/11	11:45 AM	BDL									
MW-4	2-3'	S	6/11/11	11:00 AM	BDL									
LP-2	2-3'	S	6/11/11	2:35 PM	BDL									
LP-3	2-3'	S	6/11/11	1:25 PM	BDL									
Meth Blank		S												

container code: A = 8 oz/250 ml, B = 4 oz/ 120 ml

G = 2 oz/ 60 ml Meth, D = 40 mL VOA vial, E = 1 L Amber, F = 250 mL plastic

INVOICE TO: Gibs Engineering Associates, Inc. Project Manager Tim Tagher

REPORT TO: Gibs Engineering Associates, Inc. Project Manager Tim Tagher

Page 1 of 1

forms.xls/COC 08/10/99

Cooler Receipt Log

Work Order(s) WUF0128 Client Name/Project: Ciles # of Coolers: 1

1. How did samples arrive? Durham Fed-Ex UPS TestAmerica Client USPS Speedy _____

Date/time cooler was opened: 6/3/11 By: Adams TEMP. 2°

2. Were custody seals intact, signed and dated correctly?..... Intact Broken NA
3. TAT (Turn Around Time) SUBCONTRACTED HOLD STANDARD RUSH
4. Were samples on ice?..... Yes No Water Ice & Water
5. Bottles supplied by Test America? Yes No
6. Number of containers are noted on COC (Chain of Custody) ?..... Yes No
7. Matrix is identified on COC ? Yes No
8. Did all sample containers arrive in good condition?..... OK Broken Frozen Slushy

- BOD Bacteria _____
9. Are there any short hold time tests? (48hrs or less)..... No Yes
- Past Hold?..... No Yes

24 hours or less	48 hours		7 days	
Coliform Bacteria	BOD	CBOD	Aqueous Organic Prep	
Fecal (orange)			BNA 8270	DRO (HCL amber)
Total Bacteria (blue)			Herbs	PAH (NT amber)
MPN Bacteria (black)	Nitrite NO2	Nitrate NO3	PCBs	Pest/PCBs
SPC (Standard Plate Count - yellow)	OrthoPhosphate or		PNA	
HPC (Hydrophilic Plate Count - yellow)	OrthoPhosphorus		TS (Total Solids)	TDS
T. Residual Chlorine (NT bottle)	Surfactants (MBAS)		TSS (Total Suspended Solids)	
CR3 or CR6 (Hex Chromium VI - NT bottle)	Sulfite		Sulfide	
Dissolved Oxygen (DO)	Turbidity		Volatile Solids	

10. Ops Mgr, PM or Analyst informed of short hold?.....Who _____ When _____
11. Other than short hold test , were any samples within 2 days of their hold date No Yes
- Or past their expiration of hold time No Yes
12. Is the date and time of collection recorded on COC? Date..... Yes No on the containers Yes No
- Time..... Yes No on the containers Yes No
13. Are dissolved parameters field filtered or being filtered in the lab?..... Field Lab NA
14. Are sample volumes adequate and preservatives correct for test requested? Vol... Yes No
- Preservatives... Yes No
15. Were correct containers used for the analysis requested?..... Yes No
16. Do VOC samples have air bubbles >6mm?..... No Yes NA
17. Is an aqueous Trip Blank included?..... Yes No NA
18. If received, how were DRO soil samples received?..... Weighed glass jar Packed jar
19. Is a Methanol Trip Blank included?..... Yes glass jar vial No NA
20. How were VOC soils received? Methanol Sodium Bisulfate Packed Jar Encore Other Water (see options*)
- * Within 48hrs of sampling Past 48hrs of sampling Frozen Not Frozen
21. Were all sample containers received and match the Sample IDs listed on COC?..... Yes No

If any changes are made to this Work Order after Login, or if comments must be made regarding this cooler, explain them below:

all sample labels say 5/31/11, COC states 6/1/11
did NOT receive MeOH Blank

April 06, 2016

Steve Owens
Giles Engineering Associates, Inc.
N8 W22350 Johnson Road
Waukesha, WI 53186

RE: Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130053

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on March 31, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



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CERTIFICATIONS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40130053001	MW-5 0-2	Solid	03/30/16 11:00	03/31/16 15:25
40130053002	MW-6 0-2	Solid	03/30/16 12:10	03/31/16 15:25
40130053003	MW-7 0-2	Solid	03/30/16 13:00	03/31/16 15:25
40130053004	TRIP BLANK	Solid	03/30/16 00:00	03/31/16 15:25

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40130053001	MW-5 0-2	EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40130053002	MW-6 0-2	EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40130053003	MW-7 0-2	EPA 8260	SMT	63	PASI-G
		ASTM D2974-87	BTH	1	PASI-G
40130053004	TRIP BLANK	EPA 8260	SMT	63	PASI-G

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SUMMARY OF DETECTION

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40130053001	MW-5 0-2					
ASTM D2974-87	Percent Moisture	15.0	%	0.10	04/05/16 16:59	
40130053002	MW-6 0-2					
ASTM D2974-87	Percent Moisture	14.8	%	0.10	04/05/16 16:59	
40130053003	MW-7 0-2					
ASTM D2974-87	Percent Moisture	14.6	%	0.10	04/05/16 16:59	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130053

Sample: MW-5 0-2 Lab ID: 40130053001 Collected: 03/30/16 11:00 Received: 03/31/16 15:25 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	04/01/16 09:55	04/01/16 12:51	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/01/16 09:55	04/01/16 12:51	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/01/16 09:55	04/01/16 12:51	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/01/16 09:55	04/01/16 12:51	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/01/16 09:55	04/01/16 12:51	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/01/16 09:55	04/01/16 12:51	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/01/16 09:55	04/01/16 12:51	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130053

Sample: MW-5 0-2 **Lab ID: 40130053001** Collected: 03/30/16 11:00 Received: 03/31/16 15:25 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									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	04/01/16 09:55	04/01/16 12:51	1330-20-7	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	10061-01-5	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	103-65-1	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 12:51	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	49-157		1	04/01/16 09:55	04/01/16 12:51	1868-53-7	
Toluene-d8 (S)	102	%	61-148		1	04/01/16 09:55	04/01/16 12:51	2037-26-5	
4-Bromofluorobenzene (S)	88	%	53-134		1	04/01/16 09:55	04/01/16 12:51	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	15.0	%	0.10	0.10	1		04/05/16 16:59		

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Sample: MW-6 0-2 **Lab ID: 40130053002** Collected: 03/30/16 12:10 Received: 03/31/16 15:25 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	04/01/16 09:55	04/01/16 13:14	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/01/16 09:55	04/01/16 13:14	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/01/16 09:55	04/01/16 13:14	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/01/16 09:55	04/01/16 13:14	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/01/16 09:55	04/01/16 13:14	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/01/16 09:55	04/01/16 13:14	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/01/16 09:55	04/01/16 13:14	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	100-42-5	W

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Sample: MW-6 0-2 **Lab ID: 40130053002** Collected: 03/30/16 12:10 Received: 03/31/16 15:25 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									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	04/01/16 09:55	04/01/16 13:14	1330-20-7	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	10061-01-5	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	103-65-1	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:14	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	115	%	49-157		1	04/01/16 09:55	04/01/16 13:14	1868-53-7	
Toluene-d8 (S)	113	%	61-148		1	04/01/16 09:55	04/01/16 13:14	2037-26-5	
4-Bromofluorobenzene (S)	96	%	53-134		1	04/01/16 09:55	04/01/16 13:14	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.8	%	0.10	0.10	1		04/05/16 16:59		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130053

Sample: MW-7 0-2 **Lab ID: 40130053003** Collected: 03/30/16 13:00 Received: 03/31/16 15:25 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	04/01/16 09:55	04/01/16 13:37	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/01/16 09:55	04/01/16 13:37	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/01/16 09:55	04/01/16 13:37	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/01/16 09:55	04/01/16 13:37	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/01/16 09:55	04/01/16 13:37	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/01/16 09:55	04/01/16 13:37	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/01/16 09:55	04/01/16 13:37	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	100-42-5	W

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Sample: MW-7 0-2 **Lab ID: 40130053003** Collected: 03/30/16 13:00 Received: 03/31/16 15:25 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									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	04/01/16 09:55	04/01/16 13:37	1330-20-7	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	10061-01-5	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	103-65-1	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/01/16 09:55	04/01/16 13:37	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	49-157		1	04/01/16 09:55	04/01/16 13:37	1868-53-7	1q
Toluene-d8 (S)	109	%	61-148		1	04/01/16 09:55	04/01/16 13:37	2037-26-5	
4-Bromofluorobenzene (S)	93	%	53-134		1	04/01/16 09:55	04/01/16 13:37	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.6	%	0.10	0.10	1		04/05/16 16:59		

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Sample: TRIP BLANK Lab ID: **40130053004** Collected: 03/30/16 00:00 Received: 03/31/16 15:25 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	04/04/16 08:00	04/04/16 12:10	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/04/16 08:00	04/04/16 12:10	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/04/16 08:00	04/04/16 12:10	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/04/16 08:00	04/04/16 12:10	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/04/16 08:00	04/04/16 12:10	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/04/16 08:00	04/04/16 12:10	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/04/16 08:00	04/04/16 12:10	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	100-42-5	W

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Sample: TRIP BLANK **Lab ID: 40130053004** Collected: 03/30/16 00:00 Received: 03/31/16 15:25 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							
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	04/04/16 08:00	04/04/16 12:10	1330-20-7	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	10061-01-5	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	103-65-1	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/04/16 08:00	04/04/16 12:10	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	49-157		1	04/04/16 08:00	04/04/16 12:10	1868-53-7	
Toluene-d8 (S)	101	%	61-148		1	04/04/16 08:00	04/04/16 12:10	2037-26-5	
4-Bromofluorobenzene (S)	105	%	53-134		1	04/04/16 08:00	04/04/16 12:10	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

QC Batch: MSV/32822 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40130053001, 40130053002, 40130053003

METHOD BLANK: 1313995 Matrix: Solid

Associated Lab Samples: 40130053001, 40130053002, 40130053003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/01/16 09:28	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/01/16 09:28	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/01/16 09:28	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/01/16 09:28	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/01/16 09:28	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/01/16 09:28	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/01/16 09:28	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	04/01/16 09:28	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/01/16 09:28	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/01/16 09:28	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/01/16 09:28	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/01/16 09:28	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/01/16 09:28	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/01/16 09:28	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/01/16 09:28	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/01/16 09:28	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/01/16 09:28	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/01/16 09:28	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/01/16 09:28	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/01/16 09:28	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/01/16 09:28	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/01/16 09:28	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/01/16 09:28	
Benzene	ug/kg	<9.2	20.0	04/01/16 09:28	
Bromobenzene	ug/kg	<20.6	50.0	04/01/16 09:28	
Bromochloromethane	ug/kg	<21.4	50.0	04/01/16 09:28	
Bromodichloromethane	ug/kg	<9.8	50.0	04/01/16 09:28	
Bromoform	ug/kg	<19.8	50.0	04/01/16 09:28	
Bromomethane	ug/kg	<69.9	250	04/01/16 09:28	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/01/16 09:28	
Chlorobenzene	ug/kg	<14.8	50.0	04/01/16 09:28	
Chloroethane	ug/kg	<67.0	250	04/01/16 09:28	
Chloroform	ug/kg	<46.4	250	04/01/16 09:28	
Chloromethane	ug/kg	<20.4	50.0	04/01/16 09:28	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/01/16 09:28	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/01/16 09:28	
Dibromochloromethane	ug/kg	<17.9	50.0	04/01/16 09:28	
Dibromomethane	ug/kg	<19.3	50.0	04/01/16 09:28	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/01/16 09:28	
Diisopropyl ether	ug/kg	<17.7	50.0	04/01/16 09:28	
Ethylbenzene	ug/kg	<12.4	50.0	04/01/16 09:28	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130053

METHOD BLANK: 1313995 Matrix: Solid
Associated Lab Samples: 40130053001, 40130053002, 40130053003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/01/16 09:28	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/01/16 09:28	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/01/16 09:28	
Methylene Chloride	ug/kg	<16.2	50.0	04/01/16 09:28	
n-Butylbenzene	ug/kg	<10.5	50.0	04/01/16 09:28	
n-Propylbenzene	ug/kg	<11.6	50.0	04/01/16 09:28	
Naphthalene	ug/kg	<40.0	250	04/01/16 09:28	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/01/16 09:28	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/01/16 09:28	
Styrene	ug/kg	<9.0	50.0	04/01/16 09:28	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/01/16 09:28	
Tetrachloroethene	ug/kg	<12.9	50.0	04/01/16 09:28	
Toluene	ug/kg	<11.2	50.0	04/01/16 09:28	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/01/16 09:28	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/01/16 09:28	
Trichloroethene	ug/kg	<23.6	50.0	04/01/16 09:28	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/01/16 09:28	
Vinyl chloride	ug/kg	<21.1	50.0	04/01/16 09:28	
Xylene (Total)	ug/kg	<48.4	150	04/01/16 09:28	
4-Bromofluorobenzene (S)	%	93	53-134	04/01/16 09:28	
Dibromofluoromethane (S)	%	109	49-157	04/01/16 09:28	
Toluene-d8 (S)	%	106	61-148	04/01/16 09:28	

LABORATORY CONTROL SAMPLE: 1313996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2520	101	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2440	98	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2460	99	70-130	
1,1-Dichloroethane	ug/kg	2500	2580	103	70-130	
1,1-Dichloroethene	ug/kg	2500	2500	100	70-132	
1,2,4-Trichlorobenzene	ug/kg	2500	2350	94	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2300	92	45-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2390	95	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2510	101	70-130	
1,2-Dichloroethane	ug/kg	2500	2770	111	70-134	
1,2-Dichloropropane	ug/kg	2500	2730	109	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2450	98	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2460	98	70-130	
Benzene	ug/kg	2500	2530	101	70-130	
Bromodichloromethane	ug/kg	2500	2650	106	70-130	
Bromoform	ug/kg	2500	1880	75	48-130	
Bromomethane	ug/kg	2500	2710	108	70-169	
Carbon tetrachloride	ug/kg	2500	2540	102	67-130	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

LABORATORY CONTROL SAMPLE: 1313996

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	2500	2610	104	70-130	
Chloroethane	ug/kg	2500	2720	109	70-191	
Chloroform	ug/kg	2500	2660	106	70-130	
Chloromethane	ug/kg	2500	1820	73	52-132	
cis-1,2-Dichloroethene	ug/kg	2500	2540	101	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2470	99	70-130	
Dibromochloromethane	ug/kg	2500	2350	94	65-130	
Dichlorodifluoromethane	ug/kg	2500	1270	51	12-150	
Ethylbenzene	ug/kg	2500	2560	102	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2530	101	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2340	94	70-130	
Methylene Chloride	ug/kg	2500	2700	108	70-131	
Styrene	ug/kg	2500	2500	100	70-130	
Tetrachloroethene	ug/kg	2500	2500	100	70-130	
Toluene	ug/kg	2500	2620	105	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2340	94	69-130	
trans-1,3-Dichloropropene	ug/kg	2500	2250	90	65-130	
Trichloroethene	ug/kg	2500	2720	109	70-130	
Trichlorofluoromethane	ug/kg	2500	2670	107	50-150	
Vinyl chloride	ug/kg	2500	2180	87	67-134	
Xylene (Total)	ug/kg	7500	7610	101	70-130	
4-Bromofluorobenzene (S)	%			97	53-134	
Dibromofluoromethane (S)	%			113	49-157	
Toluene-d8 (S)	%			108	61-148	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130053

QC Batch: MSV/32848 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40130053004

METHOD BLANK: 1314994 Matrix: Solid
Associated Lab Samples: 40130053004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/04/16 09:47	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/04/16 09:47	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/04/16 09:47	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/04/16 09:47	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/04/16 09:47	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/04/16 09:47	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/04/16 09:47	
1,2,3-Trichlorobenzene	ug/kg	22.1J	50.0	04/04/16 09:47	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/04/16 09:47	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/04/16 09:47	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/04/16 09:47	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/04/16 09:47	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/04/16 09:47	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/04/16 09:47	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/04/16 09:47	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/04/16 09:47	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/04/16 09:47	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/04/16 09:47	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/04/16 09:47	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/04/16 09:47	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/04/16 09:47	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/04/16 09:47	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/04/16 09:47	
Benzene	ug/kg	<9.2	20.0	04/04/16 09:47	
Bromobenzene	ug/kg	<20.6	50.0	04/04/16 09:47	
Bromochloromethane	ug/kg	<21.4	50.0	04/04/16 09:47	
Bromodichloromethane	ug/kg	<9.8	50.0	04/04/16 09:47	
Bromoform	ug/kg	<19.8	50.0	04/04/16 09:47	
Bromomethane	ug/kg	<69.9	250	04/04/16 09:47	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/04/16 09:47	
Chlorobenzene	ug/kg	<14.8	50.0	04/04/16 09:47	
Chloroethane	ug/kg	<67.0	250	04/04/16 09:47	
Chloroform	ug/kg	<46.4	250	04/04/16 09:47	
Chloromethane	ug/kg	<20.4	50.0	04/04/16 09:47	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/04/16 09:47	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/04/16 09:47	
Dibromochloromethane	ug/kg	<17.9	50.0	04/04/16 09:47	
Dibromomethane	ug/kg	<19.3	50.0	04/04/16 09:47	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/04/16 09:47	
Diisopropyl ether	ug/kg	<17.7	50.0	04/04/16 09:47	
Ethylbenzene	ug/kg	<12.4	50.0	04/04/16 09:47	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

METHOD BLANK: 1314994

Matrix: Solid

Associated Lab Samples: 40130053004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/04/16 09:47	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/04/16 09:47	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/04/16 09:47	
Methylene Chloride	ug/kg	<16.2	50.0	04/04/16 09:47	
n-Butylbenzene	ug/kg	<10.5	50.0	04/04/16 09:47	
n-Propylbenzene	ug/kg	<11.6	50.0	04/04/16 09:47	
Naphthalene	ug/kg	<40.0	250	04/04/16 09:47	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/04/16 09:47	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/04/16 09:47	
Styrene	ug/kg	<9.0	50.0	04/04/16 09:47	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/04/16 09:47	
Tetrachloroethene	ug/kg	<12.9	50.0	04/04/16 09:47	
Toluene	ug/kg	<11.2	50.0	04/04/16 09:47	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/04/16 09:47	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/04/16 09:47	
Trichloroethene	ug/kg	<23.6	50.0	04/04/16 09:47	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/04/16 09:47	
Vinyl chloride	ug/kg	<21.1	50.0	04/04/16 09:47	
Xylene (Total)	ug/kg	<48.4	150	04/04/16 09:47	
4-Bromofluorobenzene (S)	%	110	53-134	04/04/16 09:47	
Dibromofluoromethane (S)	%	111	49-157	04/04/16 09:47	
Toluene-d8 (S)	%	110	61-148	04/04/16 09:47	

LABORATORY CONTROL SAMPLE: 1314995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2800	112	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2860	114	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2900	116	70-130	
1,1-Dichloroethane	ug/kg	2500	3000	120	70-130	
1,1-Dichloroethene	ug/kg	2500	2570	103	70-132	
1,2,4-Trichlorobenzene	ug/kg	2500	2510	101	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2790	112	45-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2730	109	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2630	105	70-130	
1,2-Dichloroethane	ug/kg	2500	3250	130	70-134	
1,2-Dichloropropane	ug/kg	2500	2920	117	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2470	99	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2510	101	70-130	
Benzene	ug/kg	2500	2790	112	70-130	
Bromodichloromethane	ug/kg	2500	2870	115	70-130	
Bromoform	ug/kg	2500	2260	90	48-130	
Bromomethane	ug/kg	2500	1970	79	70-169	
Carbon tetrachloride	ug/kg	2500	2830	113	67-130	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

LABORATORY CONTROL SAMPLE: 1314995

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	2500	2710	109	70-130	
Chloroethane	ug/kg	2500	2010	81	70-191	
Chloroform	ug/kg	2500	2730	109	70-130	
Chloromethane	ug/kg	2500	1980	79	52-132	
cis-1,2-Dichloroethene	ug/kg	2500	2670	107	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	3030	121	70-130	
Dibromochloromethane	ug/kg	2500	2500	100	65-130	
Dichlorodifluoromethane	ug/kg	2500	1220	49	12-150	
Ethylbenzene	ug/kg	2500	2810	113	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2820	113	70-130	
Methyl-tert-butyl ether	ug/kg	2500	3100	124	70-130	
Methylene Chloride	ug/kg	2500	2730	109	70-131	
Styrene	ug/kg	2500	2630	105	70-130	
Tetrachloroethene	ug/kg	2500	2520	101	70-130	
Toluene	ug/kg	2500	2730	109	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2690	108	69-130	
trans-1,3-Dichloropropene	ug/kg	2500	2600	104	65-130	
Trichloroethene	ug/kg	2500	2790	112	70-130	
Trichlorofluoromethane	ug/kg	2500	2280	91	50-150	
Vinyl chloride	ug/kg	2500	2210	89	67-134	
Xylene (Total)	ug/kg	7500	8440	112	70-130	
4-Bromofluorobenzene (S)	%			117	53-134	
Dibromofluoromethane (S)	%			117	49-157	
Toluene-d8 (S)	%			113	61-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1314996 1314997

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40130129001 Result	Spike Conc.	MSD Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	<0.025 mg/kg	1450	1450	1450	1360	107	94	63-130	13	20		
1,1,2,2-Tetrachloroethane	ug/kg	<0.025 mg/kg	1450	1450	1790	1600	123	110	57-136	11	20		
1,1,2-Trichloroethane	ug/kg	<0.025 mg/kg	1450	1450	1670	1630	115	112	70-130	3	20		
1,1-Dichloroethane	ug/kg	<0.025 mg/kg	1450	1450	1750	1640	121	113	62-131	6	23		
1,1-Dichloroethene	ug/kg	<0.025 mg/kg	1450	1450	1480	1150	102	79	42-137	25	20	R1	
1,2,4-Trichlorobenzene	ug/kg	<0.048 mg/kg	1450	1450	1760	1540	120	105	59-137	13	21		
1,2-Dibromo-3-chloropropane	ug/kg	<0.091 mg/kg	1450	1450	1710	1510	118	104	33-150	12	25		
1,2-Dibromoethane (EDB)	ug/kg	<0.025 mg/kg	1450	1450	1630	1520	112	105	70-130	7	20		
1,2-Dichlorobenzene	ug/kg	<0.025 mg/kg	1450	1450	1630	1490	113	103	70-130	9	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1314996		1314997		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40130129001 Result	MS Spike Conc.	MSD Spike Conc.									
1,2-Dichloroethane	ug/kg	<0.025 mg/kg	1450	1450	1940	1790	134	123	68-134	8	20		
1,2-Dichloropropane	ug/kg	<0.025 mg/kg	1450	1450	1730	1660	119	114	70-130	4	20		
1,3-Dichlorobenzene	ug/kg	<0.025 mg/kg	1450	1450	1550	1420	107	98	70-130	9	20		
1,4-Dichlorobenzene	ug/kg	<0.025 mg/kg	1450	1450	1560	1450	108	100	69-130	7	20		
Benzene	ug/kg	<0.025 mg/kg	1450	1450	1630	1560	112	108	56-131	4	20		
Bromodichloromethane	ug/kg	<0.025 mg/kg	1450	1450	1700	1570	117	108	64-130	8	20		
Bromoform	ug/kg	<0.025 mg/kg	1450	1450	1400	1350	97	93	48-130	4	20		
Bromomethane	ug/kg	<0.070 mg/kg	1450	1450	1310	1290	91	89	18-169	2	23		
Carbon tetrachloride	ug/kg	<0.025 mg/kg	1450	1450	1590	1350	110	93	59-130	16	20		
Chlorobenzene	ug/kg	<0.025 mg/kg	1450	1450	1610	1500	111	103	70-130	7	20		
Chloroethane	ug/kg	<0.067 mg/kg	1450	1450	1370	1160	94	80	10-191	16	20		
Chloroform	ug/kg	<0.046 mg/kg	1450	1450	1620	1550	111	107	65-130	4	20		
Chloromethane	ug/kg	<0.025 mg/kg	1450	1450	1580	1450	109	100	36-132	9	20		
cis-1,2-Dichloroethene	ug/kg	<0.025 mg/kg	1450	1450	1580	1500	109	104	59-136	5	24		
cis-1,3-Dichloropropene	ug/kg	<0.025 mg/kg	1450	1450	1730	1580	119	109	60-130	9	20		
Dibromochloromethane	ug/kg	<0.025 mg/kg	1450	1450	1510	1460	104	101	59-130	3	20		
Dichlorodifluoromethane	ug/kg	<0.025 mg/kg	1450	1450	1310	1040	90	72	10-150	23	27		
Ethylbenzene	ug/kg	<0.025 mg/kg	1450	1450	1590	1460	109	101	64-130	8	20		
Isopropylbenzene (Cumene)	ug/kg	<0.025 mg/kg	1450	1450	1570	1440	108	99	69-138	8	20		
Methyl-tert-butyl ether	ug/kg	<0.025 mg/kg	1450	1450	1800	1650	124	114	52-134	8	20		
Methylene Chloride	ug/kg	<0.025 mg/kg	1450	1450	1670	1560	115	108	61-131	7	20		
Styrene	ug/kg	<0.025 mg/kg	1450	1450	1530	1460	105	101	70-130	4	20		
Tetrachloroethene	ug/kg	<0.025 mg/kg	1450	1450	1360	1230	94	85	65-130	10	20		
Toluene	ug/kg	<0.025 mg/kg	1450	1450	1540	1440	106	99	65-130	7	20		
trans-1,2-Dichloroethene	ug/kg	<0.025 mg/kg	1450	1450	1560	1450	107	100	55-130	7	20		
trans-1,3-Dichloropropene	ug/kg	<0.025 mg/kg	1450	1450	1570	1460	108	101	54-130	7	20		
Trichloroethene	ug/kg	<0.025 mg/kg	1450	1450	1540	1480	106	102	70-130	4	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1314996		1314997		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40130129001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Trichlorofluoromethane	ug/kg	<0.025 mg/kg	1450	1450	1450	1410	100	97	42-150	3	24		
Vinyl chloride	ug/kg	<0.025 mg/kg	1450	1450	1590	1350	110	93	35-134	16	20		
Xylene (Total)	ug/kg	<75.0	4360	4360	4670	4460	107	102	60-130	5	20		
4-Bromofluorobenzene (S)	%						119	119	53-134				
Dibromofluoromethane (S)	%						126	123	49-157				
Toluene-d8 (S)	%						116	117	61-148				

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

QC Batch:	PMST/12570	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40130053001, 40130053002, 40130053003		

SAMPLE DUPLICATE: 1315579

Parameter	Units	40130029007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.6	18.8	1	10	

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QUALIFIERS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

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 Sample was received with vial septa reversed, preventing an airtight seal. Analytical results should be considered minimum values.

R1 RPD value was outside control limits.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130053

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40130053001	MW-5 0-2	EPA 5035/5030B	MSV/32822	EPA 8260	MSV/32825
40130053002	MW-6 0-2	EPA 5035/5030B	MSV/32822	EPA 8260	MSV/32825
40130053003	MW-7 0-2	EPA 5035/5030B	MSV/32822	EPA 8260	MSV/32825
40130053004	TRIP BLANK	EPA 5035/5030B	MSV/32848	EPA 8260	MSV/32849
40130053001	MW-5 0-2	ASTM D2974-87	PMST/12570		
40130053002	MW-6 0-2	ASTM D2974-87	PMST/12570		
40130053003	MW-7 0-2	ASTM D2974-87	PMST/12570		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name:	Giles Engineering
Branch/Location:	Waukesha WI
Project Contact:	Steve Owens
Phone:	262-544-6118
Project Number:	IE-1105023
Project Name:	Smoke - OUT
Project State:	WI
Sampled By (Print):	Kelly Hayden
Sampled By (Sign):	



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40130053

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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					

FILTERED?
(YES/NO)

PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested	F															
		VOC																

PO #:	Regulatory Program:	
Data Package Options <small>(billable)</small>	MS/MSD	Matrix Codes
<input type="checkbox"/> EPA Level III	<input type="checkbox"/> On your sample (billable)	A = Air
<input type="checkbox"/> EPA Level IV	<input type="checkbox"/> NOT needed on your sample	B = Biota
		C = Charcoal
		D = Drinking Water
		E = Oil
		F = Ground Water
		G = Surface Water
		H = Waste Water
		I = Wipe
		J = Sludge

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested
		DATE	TIME				
001	MW-5 0-2	3/30/16	1100	S			VOC
002	MW-6 0-2		1210				
003	MW-7 0-2		1300				
004	Trip Blank						

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	1-40mVf, 1-402pH	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed: Standard 7 day

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

Email #1: Sowens@giles engr.com

Email #2: _____

Telephone: _____

Fax: _____

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

Relinquished By:	Date/Time: <u>5/31/16 1525</u>
Relinquished By:	Date/Time:
Relinquished By:	Date/Time:
Relinquished By:	Date/Time:
Relinquished By:	Date/Time:
Relinquished By:	Date/Time:

Received By: <u>pace</u>	Date/Time: <u>5/31/16 1525</u>
Received By:	Date/Time:
Received By:	Date/Time:
Received By:	Date/Time:
Received By:	Date/Time:
Received By:	Date/Time:

PACE Project No. 40130053

Receipt Temp = RO1 °C

Sample Receipt pH
OK / Adjusted

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

Sample Condition Upon Receipt

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

Pace Analytical™
Client Name: Giles

Project # **WO#: 40130053**



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 na Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RDI /Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

Person examining contents:
Date: 3-31-16
Initials: mm

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

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. NO information on poly 5 mm were in same ziploc bag. mm 33116
-Includes <u>date/time/ID/Analysis</u> Matrix: <u>5</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. client had note in with meth Blank rec'd 3-24-16
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>67-56-1</u>		

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

If checked, see attached form for additional comments

Comments/ Resolution: 3 vials returned in cooler NCL mm33116
003 - flipped septa on vial mm33116

Project Manager Review: OK for DM

Date: 3-31-16

APPENDIX F

Sub-Slab Soil Gas Analytical Reports and Chain-of-Custody Documentation

ANALYTICAL REPORT

Job Number: 200-5422-1

Job Description: Smoke Out Cleaners

For:

Giles Engineering Associates
N8 W 22350 Johnson Road
Waukesha, WI 53186

Attention: Mr. Tim Taugher



Approved for release.
Don C Dawicki
Project Manager II
6/15/2011 3:36 PM

Don C Dawicki
Project Manager II
don.dawicki@testamericainc.com
06/15/2011

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

CASE NARRATIVE

Client: Giles Engineering Associates

Project: Smoke Out Cleaners

Report Number: 200-5422-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/03/2011; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples VP-1 and VP-2 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 06/09/2011.

Samples VP-1[73900X] and VP-2[19600X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Giles Engineering Associates

Job Number: 200-5422-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
200-5422-1	VP-1				
cis-1,2-Dichloroethene		1500 J	15000	ppb v/v	TO-15
cis-1,2-Dichloroethene		6000 J	59000	ug/m3	TO-15
1,2-Dichloroethene, Total		1500 J	15000	ppb v/v	TO-15
1,2-Dichloroethene, Total		6000 J	59000	ug/m3	TO-15
Trichloroethene		4500 J	15000	ppb v/v	TO-15
Trichloroethene		24000 J	79000	ug/m3	TO-15
Tetrachloroethene		1800000	15000	ppb v/v	TO-15
Tetrachloroethene		12000000	100000	ug/m3	TO-15
200-5422-2	VP-2				
Trichloroethene		1100 J	3900	ppb v/v	TO-15
Trichloroethene		6000 J	21000	ug/m3	TO-15
Tetrachloroethene		460000	3900	ppb v/v	TO-15
Tetrachloroethene		3100000	27000	ug/m3	TO-15

METHOD SUMMARY

Client: Giles Engineering Associates

Job Number: 200-5422-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatle Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Giles Engineering Associates

Job Number: 200-5422-1

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD

SAMPLE SUMMARY

Client: Giles Engineering Associates

Job Number: 200-5422-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-5422-1	VP-1	Air	06/01/2011 1540	06/03/2011 1015
200-5422-2	VP-2	Air	06/01/2011 1720	06/03/2011 1015

SAMPLE RESULTS

Analytical Data

Client: Giles Engineering Associates

Job Number: 200-5422-1

Client Sample ID: VP-1

Lab Sample ID: 200-5422-1

Date Sampled: 06/01/2011 1540

Client Matrix: Air

Date Received: 06/03/2011 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-19374	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	cjuab014.d
Dilution:	73900			Initial Weight/Volume:	21 mL
Analysis Date:	06/09/2011 2251			Final Weight/Volume:	200 mL
Prep Date:	06/09/2011 2251			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	15000	U	2100	15000
1,1-Dichloroethene	15000	U	2200	15000
trans-1,2-Dichloroethene	15000	U	2400	15000
1,1-Dichloroethane	15000	U	2600	15000
cis-1,2-Dichloroethene	1500	J	1000	15000
1,2-Dichloroethene, Total	1500	J	1000	15000
1,2-Dichloroethane	15000	U	2300	15000
Chloroethane	37000	U	1200	37000
Trichloroethene	4500	J	2200	15000
Tetrachloroethene	1800000		810	15000

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	38000	U	5500	38000
1,1-Dichloroethene	59000	U	8800	59000
trans-1,2-Dichloroethene	59000	U	9400	59000
1,1-Dichloroethane	60000	U	10000	60000
cis-1,2-Dichloroethene	6000	J	4100	59000
1,2-Dichloroethene, Total	6000	J	4100	59000
1,2-Dichloroethane	60000	U	9300	60000
Chloroethane	98000	U	3100	98000
Trichloroethene	24000	J	12000	79000
Tetrachloroethene	12000000		5500	100000

Analytical Data

Client: Giles Engineering Associates

Job Number: 200-5422-1

Client Sample ID: VP-2

Lab Sample ID: 200-5422-2

Date Sampled: 06/01/2011 1720

Client Matrix: Air

Date Received: 06/03/2011 1015

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-19374	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	cjuab015.d
Dilution:	19600			Initial Weight/Volume:	21 mL
Analysis Date:	06/09/2011 2343			Final Weight/Volume:	200 mL
Prep Date:	06/09/2011 2343			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	MDL	RL
Vinyl chloride	3900	U	570	3900
1,1-Dichloroethene	3900	U	590	3900
trans-1,2-Dichloroethene	3900	U	630	3900
1,1-Dichloroethane	3900	U	690	3900
cis-1,2-Dichloroethene	3900	U	270	3900
1,2-Dichloroethene, Total	3900	U	270	3900
1,2-Dichloroethane	3900	U	610	3900
Chloroethane	9800	U	310	9800
Trichloroethene	1100	J	590	3900
Tetrachloroethene	460000		220	3900

Analyte	Result (ug/m3)	Qualifier	MDL	RL
Vinyl chloride	10000	U	1500	10000
1,1-Dichloroethene	16000	U	2300	16000
trans-1,2-Dichloroethene	16000	U	2500	16000
1,1-Dichloroethane	16000	U	2800	16000
cis-1,2-Dichloroethene	16000	U	1100	16000
1,2-Dichloroethene, Total	16000	U	1100	16000
1,2-Dichloroethane	16000	U	2500	16000
Chloroethane	26000	U	830	26000
Trichloroethene	6000	J	3200	21000
Tetrachloroethene	3100000		1500	27000

DATA REPORTING QUALIFIERS

Client: Giles Engineering Associates

Job Number: 200-5422-1

Lab Section	Qualifier	Description
Air - GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Giles Engineering Associates

Job Number: 200-5422-1

QC Association Summary

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Report Basis</u>	<u>Client Matrix</u>	<u>Method</u>	<u>Prep Batch</u>
Air - GC/MS VOA					
Analysis Batch:200-19374					
LCS 200-19374/3	Lab Control Sample	T	Air	TO-15	
MB 200-19374/4	Method Blank	T	Air	TO-15	
200-5422-1	VP-1	T	Air	TO-15	
200-5422-2	VP-2	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: Giles Engineering Associates

Job Number: 200-5422-1

Method Blank - Batch: 200-19374

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-19374/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 06/09/2011 1412
 Prep Date: 06/09/2011 1412
 Leach Date: N/A

Analysis Batch: 200-19374
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: C.i
 Lab File ID: cjuab004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	MDL	RL
Vinyl chloride	0.20	U	0.029	0.20
1,1-Dichloroethene	0.20	U	0.030	0.20
trans-1,2-Dichloroethene	0.20	U	0.032	0.20
1,1-Dichloroethane	0.20	U	0.035	0.20
cis-1,2-Dichloroethene	0.20	U	0.014	0.20
1,2-Dichloroethene, Total	0.20	U	0.014	0.20
1,2-Dichloroethane	0.20	U	0.031	0.20
Chloroethane	0.50	U	0.016	0.50
Trichloroethene	0.20	U	0.030	0.20
Tetrachloroethene	0.20	U	0.011	0.20

Method Blank - Batch: 200-19374

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-19374/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 06/09/2011 1412
 Prep Date: 06/09/2011 1412
 Leach Date: N/A

Analysis Batch: 200-19374
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: C.i
 Lab File ID: cjuab004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	MDL	RL
Vinyl chloride	0.51	U	0.074	0.51
1,1-Dichloroethene	0.79	U	0.12	0.79
trans-1,2-Dichloroethene	0.79	U	0.13	0.79
1,1-Dichloroethane	0.81	U	0.14	0.81
cis-1,2-Dichloroethene	0.79	U	0.056	0.79
1,2-Dichloroethene, Total	0.79	U	0.056	0.79
1,2-Dichloroethane	0.81	U	0.13	0.81
Chloroethane	1.3	U	0.042	1.3
Trichloroethene	1.1	U	0.16	1.1
Tetrachloroethene	1.4	U	0.075	1.4

Quality Control Results

Client: Giles Engineering Associates

Job Number: 200-5422-1

Lab Control Sample - Batch: 200-19374

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-19374/3	Analysis Batch:	200-19374	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	cjuab003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	06/09/2011 1319	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	06/09/2011 1319			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Vinyl chloride	10.0	11.5	115	70 - 130	
1,1-Dichloroethene	10.0	11.4	114	70 - 130	
trans-1,2-Dichloroethene	10.0	11.0	110	70 - 130	
1,1-Dichloroethane	10.0	11.2	112	70 - 130	
cis-1,2-Dichloroethene	10.0	11.1	111	70 - 130	
1,2-Dichloroethane	10.0	9.34	93	70 - 130	
Chloroethane	10.0	11.3	113	70 - 130	
Trichloroethene	10.0	9.97	100	70 - 130	
Tetrachloroethene	10.0	9.03	90	70 - 130	

From: (262) 544-0118
Kris Hagen
G&S Engineering Associates, Inc.
N8 W22350 Johnson Drive
Suite A1
Waukesha, WI 53188

Origin ID: ZMLA



Ship Date: 02JUN11
ActWgt: 12.0 LB
CAD: 5697471/NET3130
Dims: 10 X 20 X 16 IN

Delivery Address Bar Code



SHIP TO: (262) 668-1990
Don Dawick
TestAmerica Burlington
30 COMMUNITY DR STE 11

SOUTH BURLINGTON, VT 05403

BILL SENDER

Ref #
Invoice #
PO #
Dept #

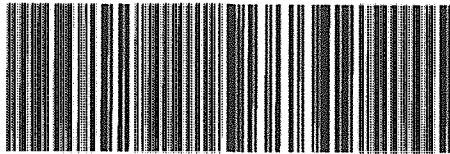
FRI - 03 JUN A4
PRIORITY OVERNIGHT

TRK# 7971 6378 9251
0281



XH BTVA

05403
VT-UB
BTV



500G10C807EFB

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TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>Tim Taugher</u>				Samples Collected By: <u>ER</u>				1 of 1 COCs																											
Company: <u>Giles Engineering Associates Inc</u>		Phone: <u>262 544 0118</u>																																			
Address: <u>NB W22750 Johnson Dr.</u>		Email: <u>Ttaugher@gilesengr.com</u>																																			
City/State/Zip: <u>Waukesha Wisconsin 53186</u>		Site Contact: <u>Kevin Bugel</u>																																			
Phone: <u>262 544 0118</u>		TA Contact: <u>BRIAN E J</u>																																			
FAX: <u>262 549 5868</u>																																					
Project Name: <u>Smoke-Out Cleaners</u>		Analysis Turnaround Time																																			
Site: <u>Howard, Wisconsin</u>		Standard (Specify) <u>X</u>																																			
PO # <u>1130 / IE-1105023</u>		Rush (Specify)																																			
Sample Identification	Sample Date(s)	PM Time Start	PM Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum In Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)																		
<u>UP-1</u>	<u>6/1/11</u>	<u>3:10</u>	<u>3:40</u>	<u>28</u>	<u>12</u>	<u>4687</u>	<u>2597</u>	<input checked="" type="checkbox"/>												<input checked="" type="checkbox"/>																	
<u>UP-2</u>	<u>6/1/11</u>	<u>4:50</u>	<u>5:20</u>	<u>28</u>	<u>0</u>	<u>4686</u>	<u>2516</u>	<input checked="" type="checkbox"/>												<input checked="" type="checkbox"/>																	
<p>Temperature (Fahrenheit)</p> <table border="1"> <tr> <td></td> <td>Interior</td> <td>Ambient</td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table> <p>Pressure (Inches of Hg)</p> <table border="1"> <tr> <td></td> <td>Interior</td> <td>Ambient</td> </tr> <tr> <td>Start</td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> </tr> </table>																					Interior	Ambient	Start			Stop				Interior	Ambient	Start			Stop		
	Interior	Ambient																																			
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	Interior	Ambient																																			
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Special Instructions/QC Requirements & Comments:																																					
Samples Shipped by: <u>Eugene Roadhouse</u>				Date/Time: <u>6/2/11</u>				Samples Received by: <u>[Signature]</u>				Date/Time: <u>6/3/11 1015</u>																									
Samples Relinquished by: <u>[Signature]</u>				Date/Time: <u>6/2/11</u>				Received by:																													
Relinquished by:				Date/Time:				Received by:																													

Page 16 of 17

Login Sample Receipt Checklist

Client: Giles Engineering Associates

Job Number: 200-5422-1

Login Number: 5422

List Source: TestAmerica Burlington

List Number: 2

Creator: Matot, Wade M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	107715, 716
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Ambient
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Collection times not recorded on labels.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

April 14, 2016

Steve Owens
Giles Engineering
N8 W22350 S. Johnson Drive
Waukesha, WI 53186

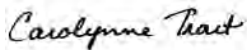
RE: Project: 1E-1105023 Smoke-Out
Pace Project No.: 10343341

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on April 01, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Association



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1E-1105023 Smoke-Out
Pace Project No.: 10343341

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #: 14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1E-1105023 Smoke-Out

Pace Project No.: 10343341

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10343341001	VP-3	Air	03/30/16 15:30	04/01/16 10:57
10343341002	VP-4	Air	03/30/16 15:05	04/01/16 10:57
10343341003	VP-5	Air	03/30/16 15:15	04/01/16 10:57
10343341004	VP-6	Air	03/30/16 16:20	04/01/16 10:57

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 Smoke-Out

Pace Project No.: 10343341

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10343341001	VP-3	TO-15	MJL, MLS	9
10343341002	VP-4	TO-15	MLS	9
10343341003	VP-5	TO-15	MLS	9
10343341004	VP-6	TO-15	MLS	9

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke-Out

Pace Project No.: 10343341

Sample: VP-3 **Lab ID: 10343341001** Collected: 03/30/16 15:30 Received: 04/01/16 10:57 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.29	ug/m3	0.80	0.29	1.49		04/10/16 23:25	75-00-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.49		04/10/16 23:25	75-34-3	
1,2-Dichloroethane	<0.31	ug/m3	0.61	0.31	1.49		04/10/16 23:25	107-06-2	
1,1-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.49		04/10/16 23:25	75-35-4	
cis-1,2-Dichloroethene	<0.37	ug/m3	1.2	0.37	1.49		04/10/16 23:25	156-59-2	
trans-1,2-Dichloroethene	<0.57	ug/m3	1.2	0.57	1.49		04/10/16 23:25	156-60-5	
Tetrachloroethene	2010	ug/m3	20.5	8.3	29.8		04/11/16 15:37	127-18-4	
Trichloroethene	<0.41	ug/m3	0.82	0.41	1.49		04/10/16 23:25	79-01-6	
Vinyl chloride	<0.29	ug/m3	0.39	0.29	1.49		04/10/16 23:25	75-01-4	

Sample: VP-4 **Lab ID: 10343341002** Collected: 03/30/16 15:05 Received: 04/01/16 10:57 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<48.1	ug/m3	134	48.1	248		04/11/16 19:31	75-00-3	
1,1-Dichloroethane	<38.9	ug/m3	203	38.9	248		04/11/16 19:31	75-34-3	
1,2-Dichloroethane	<50.8	ug/m3	102	50.8	248		04/11/16 19:31	107-06-2	
1,1-Dichloroethene	<59.0	ug/m3	201	59.0	248		04/11/16 19:31	75-35-4	
cis-1,2-Dichloroethene	6080	ug/m3	201	61.0	248		04/11/16 19:31	156-59-2	
trans-1,2-Dichloroethene	<95.2	ug/m3	201	95.2	248		04/11/16 19:31	156-60-5	
Tetrachloroethene	889000	ug/m3	5470	2210	7936		04/12/16 20:33	127-18-4	A3
Trichloroethene	5820	ug/m3	136	68.4	248		04/11/16 19:31	79-01-6	
Vinyl chloride	<48.4	ug/m3	64.5	48.4	248		04/11/16 19:31	75-01-4	

Sample: VP-5 **Lab ID: 10343341003** Collected: 03/30/16 15:15 Received: 04/01/16 10:57 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<48.1	ug/m3	134	48.1	248		04/11/16 19:59	75-00-3	
1,1-Dichloroethane	<38.9	ug/m3	203	38.9	248		04/11/16 19:59	75-34-3	
1,2-Dichloroethane	<50.8	ug/m3	102	50.8	248		04/11/16 19:59	107-06-2	
1,1-Dichloroethene	<59.0	ug/m3	201	59.0	248		04/11/16 19:59	75-35-4	
cis-1,2-Dichloroethene	11800	ug/m3	201	61.0	248		04/11/16 19:59	156-59-2	
trans-1,2-Dichloroethene	119J	ug/m3	201	95.2	248		04/11/16 19:59	156-60-5	
Tetrachloroethene	270000	ug/m3	2730	1100	3968		04/12/16 20:05	127-18-4	A3
Trichloroethene	7090	ug/m3	136	68.4	248		04/11/16 19:59	79-01-6	
Vinyl chloride	<48.4	ug/m3	64.5	48.4	248		04/11/16 19:59	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke-Out

Pace Project No.: 10343341

Sample: VP-6 **Lab ID: 10343341004** Collected: 03/30/16 16:20 Received: 04/01/16 10:57 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Chloroethane	<0.29	ug/m3	0.80	0.29	1.49		04/11/16 19:02	75-00-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.49		04/11/16 19:02	75-34-3	
1,2-Dichloroethane	<0.31	ug/m3	0.61	0.31	1.49		04/11/16 19:02	107-06-2	
1,1-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.49		04/11/16 19:02	75-35-4	
cis-1,2-Dichloroethene	5.0	ug/m3	1.2	0.37	1.49		04/11/16 19:02	156-59-2	
trans-1,2-Dichloroethene	<0.57	ug/m3	1.2	0.57	1.49		04/11/16 19:02	156-60-5	
Tetrachloroethene	3540	ug/m3	20.5	8.3	29.8		04/12/16 19:36	127-18-4	
Trichloroethene	12.5	ug/m3	0.82	0.41	1.49		04/11/16 19:02	79-01-6	
Vinyl chloride	<0.29	ug/m3	0.39	0.29	1.49		04/11/16 19:02	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 Smoke-Out
Pace Project No.: 10343341

QC Batch: AIR/25652 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10343341001

METHOD BLANK: 2228331 Matrix: Air
Associated Lab Samples: 10343341001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/m3	<0.16	0.82	04/10/16 12:26	
1,1-Dichloroethene	ug/m3	<0.24	0.81	04/10/16 12:26	
1,2-Dichloroethane	ug/m3	<0.20	0.41	04/10/16 12:26	
Chloroethane	ug/m3	<0.19	0.54	04/10/16 12:26	
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	04/10/16 12:26	
Tetrachloroethene	ug/m3	<0.28	0.69	04/10/16 12:26	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	04/10/16 12:26	
Trichloroethene	ug/m3	<0.28	0.55	04/10/16 12:26	
Vinyl chloride	ug/m3	<0.20	0.26	04/10/16 12:26	

LABORATORY CONTROL SAMPLE: 2228332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	41.2	49.2	119	62-139	
1,1-Dichloroethene	ug/m3	40.3	42.4	105	62-135	
1,2-Dichloroethane	ug/m3	41.2	48.5	118	61-144	
Chloroethane	ug/m3	26.8	26.7	100	61-136	
cis-1,2-Dichloroethene	ug/m3	40.3	47.0	117	65-139	
Tetrachloroethene	ug/m3	69	77.6	113	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	44.6	111	67-137	
Trichloroethene	ug/m3	54.6	63.5	116	60-144	
Vinyl chloride	ug/m3	26	28.4	109	63-135	

SAMPLE DUPLICATE: 2228439

Parameter	Units	10343526001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	ND	<0.33			25
1,1-Dichloroethene	ug/m3	ND	<0.50			25
1,2-Dichloroethane	ug/m3	ND	<0.43			25
Chloroethane	ug/m3	ND	<0.41			25
cis-1,2-Dichloroethene	ug/m3	0.65J	<0.52			25
Tetrachloroethene	ug/m3	38.3	37.8	1		25
trans-1,2-Dichloroethene	ug/m3	ND	<0.81			25
Trichloroethene	ug/m3	ND	<0.59			25
Vinyl chloride	ug/m3	ND	<0.41			25

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

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QUALITY CONTROL DATA

Project: 1E-1105023 Smoke-Out
Pace Project No.: 10343341

QC Batch: AIR/25663 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10343341002, 10343341003, 10343341004

METHOD BLANK: 2228886 Matrix: Air
Associated Lab Samples: 10343341002, 10343341003, 10343341004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/m3	<0.16	0.82	04/11/16 10:29	
1,1-Dichloroethene	ug/m3	<0.24	0.81	04/11/16 10:29	
1,2-Dichloroethane	ug/m3	<0.20	0.41	04/11/16 10:29	
Chloroethane	ug/m3	<0.19	0.54	04/11/16 10:29	
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	04/11/16 10:29	
Tetrachloroethene	ug/m3	<0.28	0.69	04/11/16 10:29	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	04/11/16 10:29	
Trichloroethene	ug/m3	<0.28	0.55	04/11/16 10:29	
Vinyl chloride	ug/m3	<0.20	0.26	04/11/16 10:29	

LABORATORY CONTROL SAMPLE: 2228887

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	41.2	46.7	113	62-139	
1,1-Dichloroethene	ug/m3	40.3	38.7	96	62-135	
1,2-Dichloroethane	ug/m3	41.2	43.8	106	61-144	
Chloroethane	ug/m3	26.8	25.9	97	61-136	
cis-1,2-Dichloroethene	ug/m3	40.3	48.4	120	65-139	
Tetrachloroethene	ug/m3	69	82.5	120	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	45.5	113	67-137	
Trichloroethene	ug/m3	54.6	67.7	124	60-144	
Vinyl chloride	ug/m3	26	27.9	107	63-135	

SAMPLE DUPLICATE: 2228991

Parameter	Units	10343634001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	ND	<0.21			25
1,1-Dichloroethene	ug/m3	ND	<0.32			25
1,2-Dichloroethane	ug/m3	ND	<0.27			25
Chloroethane	ug/m3	ND	<0.26			25
cis-1,2-Dichloroethene	ug/m3	ND	<0.33			25
Tetrachloroethene	ug/m3	16.9	15.4	9		25
trans-1,2-Dichloroethene	ug/m3	ND	<0.51			25
Trichloroethene	ug/m3	ND	<0.37			25
Vinyl chloride	ug/m3	ND	<0.26			25

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.

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QUALIFIERS

Project: 1E-1105023 Smoke-Out

Pace Project No.: 10343341

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.

SAMPLE QUALIFIERS

Sample: 10343341001

[1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

Sample: 10343341002

[1] This result is reported from a serial dilution.

Sample: 10343341003

[1] This result is reported from a serial dilution.

Sample: 2228439

[1] The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered estimated values.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 Smoke-Out

Pace Project No.: 10343341

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10343341001	VP-3	TO-15	AIR/25652		
10343341002	VP-4	TO-15	AIR/25663		
10343341003	VP-5	TO-15	AIR/25663		
10343341004	VP-6	TO-15	AIR/25663		

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

10 343341

24490

Page: 1 of 1

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Company: <u>Gile Engineering</u>	Report To: <u>Steve Owens</u>	Attention:	Location of Sampling by State: <u>WI</u> Reporting Units: <u>ug/m³</u> mg/m ³ <u>PPBV</u> PPMV <u>Other</u>
Address: <u>N8 W22350 Johnson Dr Waukesha WI</u>	Copy To: <u>Kelly Hayden</u>	Company Name:	
Email To: <u>so Owens@gileengr.com</u>	Purchase Order No.:	Address:	Report Level: <u>II</u> <u>III</u> <u>IV</u> <u>Other</u>
Phone: <u>262 544 0118</u> Fax:	Project Name: <u>Smoke-out</u>	Pace Quote Reference:	
Requested Due Date/TAT: <u>standard</u>	Project Number: <u>IE-1105023</u>	Pace Project Manager/Sales Rep.	
		Pace Profile #:	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID		
					COMPOSITE START		COMPOSITE -						PM10	3C-Fixed Gas (%)	TO3	TO-SM (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15		TO-15 Short List*	
					END/GRAB	DATE	TIME	DATE															TIME
1	VP-3		60C		3/30/16	1508	3/30/16	1530	29	3	2721	FC1117									X	001	
2	VP-4					1427		1505	29	4	2177	FC1119											002
3	VP-5					1450		1515	29	4	2706	FC1111											003
4	VP-6					1542		1620	29	4	2180	FC1123											004

Comments:	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Vinyl Chloride 1,1-Dichloroethene trans-1,2-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethane Tetrachloroethene ORIGINAL Trichloroethene	<u>Kelly Hayden</u>	<u>3/31/16</u>	<u>1525</u>	<u>Steve Owens</u>	<u>3/31/16</u>	<u>1525</u>	<u>ROT</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>
	<u>Steve Owens</u>	<u>3/31/16</u>	<u>1600</u>	<u>Kelly Hayden</u>	<u>4/16</u>	<u>1057</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>
								<u>Y/N</u>	<u>Y/N</u>	<u>Y/N</u>

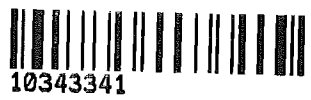
SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER:	<u>Kelly Hayden</u>				
SIGNATURE of SAMPLER:	<u>Kelly Hayden</u>				
DATE Signed (MM/DD/YY)					
		<u>3/30/16</u>			

add CUS/IDEG
Chloroethane per
S.Owens.
at 4/1/16

Air Sample Condition Upon Receipt

Client Name: Giles Eng. Project #: _____

WO#: 10343341



Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: Walter

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): X Thermom. Used: B88A912167504 72337080
 B88A9132521491 80542447
 Temp should be above freezing to 6°C Correction Factor: X Date & Initials of Person Examining Contents: 4/1/16

Type of ice Received Blue Wet None

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

Samples Received:					
Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: [Signature] Date: 3/4/16
 Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

June 14, 2016

Steve Owens
Giles Engineering
N8 W22350 S. Johnson Drive
Waukesha, WI 53186

RE: Project: 1E-1105023 Smoke-Out Cleaners
Pace Project No.: 10350826

Dear Steve Owens:

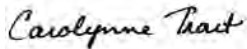
Enclosed are the analytical results for sample(s) received by the laboratory on June 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

This report was revised to add Chloromethane and Chloroethane at client request.

Report was revised on June 13, 2016 per client request to add the project # and name. No data was modified.

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

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Association



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1E-1105023 Smoke-Out Cleaners

Pace Project No.: 10350826

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

525 N 8th Street, Salina, KS 67401

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 1E-1105023 Smoke-Out Cleaners

Pace Project No.: 10350826

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10350826001	VP-3	Air	06/03/16 12:16	06/04/16 09:30
10350826002	VP-4	Air	06/03/16 11:49	06/04/16 09:30
10350826003	VP-5	Air	06/03/16 12:00	06/04/16 09:30
10350826004	VP-6	Air	06/03/16 11:17	06/04/16 09:30
10350826005	VP-7	Air	06/03/16 11:25	06/04/16 09:30
10350826006	VP-8	Air	06/03/16 12:03	06/04/16 09:30

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 Smoke-Out Cleaners

Pace Project No.: 10350826

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10350826001	VP-3	TO-15	MLS, NCK	10
10350826002	VP-4	TO-15	MLS, NCK	10
10350826003	VP-5	TO-15	MLS, NCK	10
10350826004	VP-6	TO-15	MLS, NCK	10
10350826005	VP-7	TO-15	MLS, NCK	10
10350826006	VP-8	TO-15	MLS, NCK	10

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke-Out Cleaners

Pace Project No.: 10350826

Sample: VP-3 Lab ID: 10350826001 Collected: 06/03/16 12:16 Received: 06/04/16 09:30 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.28	ug/m3	0.78	0.28	1.44		06/07/16 22:53	75-00-3	
Chloromethane	<0.16	ug/m3	0.60	0.16	1.44		06/07/16 22:53	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.44		06/07/16 22:53	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	0.59	0.30	1.44		06/07/16 22:53	107-06-2	
1,1-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.44		06/07/16 22:53	75-35-4	
cis-1,2-Dichloroethene	1.8	ug/m3	1.2	0.35	1.44		06/07/16 22:53	156-59-2	
trans-1,2-Dichloroethene	<0.55	ug/m3	1.2	0.55	1.44		06/07/16 22:53	156-60-5	
Tetrachloroethene	2870	ug/m3	79.4	32.0	115.2		06/08/16 13:57	127-18-4	
Trichloroethene	3.2	ug/m3	0.79	0.40	1.44		06/07/16 22:53	79-01-6	
Vinyl chloride	<0.28	ug/m3	0.37	0.28	1.44		06/07/16 22:53	75-01-4	

Sample: VP-4 Lab ID: 10350826002 Collected: 06/03/16 11:49 Received: 06/04/16 09:30 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.28	ug/m3	0.78	0.28	1.44		06/07/16 23:24	75-00-3	
Chloromethane	<0.16	ug/m3	0.60	0.16	1.44		06/07/16 23:24	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.44		06/07/16 23:24	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	0.59	0.30	1.44		06/07/16 23:24	107-06-2	
1,1-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.44		06/07/16 23:24	75-35-4	
cis-1,2-Dichloroethene	12000	ug/m3	1540	469	1907.2		06/09/16 02:35	156-59-2	
trans-1,2-Dichloroethene	28.9	ug/m3	1.2	0.55	1.44		06/07/16 23:24	156-60-5	
Tetrachloroethene	1050000	ug/m3	5080	2050	7372.8		06/10/16 06:32	127-18-4	
Trichloroethene	13200	ug/m3	1050	526	1907.2		06/09/16 02:35	79-01-6	
Vinyl chloride	<0.28	ug/m3	0.37	0.28	1.44		06/07/16 23:24	75-01-4	

Sample: VP-5 Lab ID: 10350826003 Collected: 06/03/16 12:00 Received: 06/04/16 09:30 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.28	ug/m3	0.78	0.28	1.44		06/07/16 23:55	75-00-3	
Chloromethane	<0.16	ug/m3	0.60	0.16	1.44		06/07/16 23:55	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.44		06/07/16 23:55	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	0.59	0.30	1.44		06/07/16 23:55	107-06-2	
1,1-Dichloroethene	3.2	ug/m3	1.2	0.34	1.44		06/07/16 23:55	75-35-4	
cis-1,2-Dichloroethene	22400	ug/m3	746	227	921.6		06/09/16 02:07	156-59-2	
trans-1,2-Dichloroethene	114	ug/m3	1.2	0.55	1.44		06/07/16 23:55	156-60-5	
Tetrachloroethene	196000	ug/m3	635	256	921.6		06/09/16 02:07	127-18-4	
Trichloroethene	12000	ug/m3	507	254	921.6		06/09/16 02:07	79-01-6	
Vinyl chloride	2.6	ug/m3	0.37	0.28	1.44		06/07/16 23:55	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke-Out Cleaners

Project No.: 10350826

Sample: VP-6									
Lab ID: 10350826004									
Collected: 06/03/16 11:17									
Received: 06/04/16 09:30									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Chloroethane	<0.29	ug/m3	0.80	0.29	1.49		06/08/16 00:26	75-00-3	
Chloromethane	<0.16	ug/m3	0.63	0.16	1.49		06/08/16 00:26	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.49		06/08/16 00:26	75-34-3	
1,2-Dichloroethane	<0.31	ug/m3	0.61	0.31	1.49		06/08/16 00:26	107-06-2	
1,1-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.49		06/08/16 00:26	75-35-4	
cis-1,2-Dichloroethene	0.74J	ug/m3	1.2	0.37	1.49		06/08/16 00:26	156-59-2	
trans-1,2-Dichloroethene	<0.57	ug/m3	1.2	0.57	1.49		06/08/16 00:26	156-60-5	
Tetrachloroethene	497	ug/m3	20.5	8.3	29.8		06/08/16 12:56	127-18-4	
Trichloroethene	0.68J	ug/m3	0.82	0.41	1.49		06/08/16 00:26	79-01-6	
Vinyl chloride	<0.29	ug/m3	0.39	0.29	1.49		06/08/16 00:26	75-01-4	

Sample: VP-7									
Lab ID: 10350826005									
Collected: 06/03/16 11:25									
Received: 06/04/16 09:30									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Chloroethane	<0.31	ug/m3	0.87	0.31	1.61		06/08/16 00:58	75-00-3	
Chloromethane	<0.17	ug/m3	0.68	0.17	1.61		06/08/16 00:58	74-87-3	
1,1-Dichloroethane	<0.25	ug/m3	1.3	0.25	1.61		06/08/16 00:58	75-34-3	
1,2-Dichloroethane	<0.33	ug/m3	0.66	0.33	1.61		06/08/16 00:58	107-06-2	
1,1-Dichloroethene	<0.38	ug/m3	1.3	0.38	1.61		06/08/16 00:58	75-35-4	
cis-1,2-Dichloroethene	<0.40	ug/m3	1.3	0.40	1.61		06/08/16 00:58	156-59-2	
trans-1,2-Dichloroethene	<0.62	ug/m3	1.3	0.62	1.61		06/08/16 00:58	156-60-5	
Tetrachloroethene	13800	ug/m3	177	71.6	257.6		06/08/16 14:25	127-18-4	
Trichloroethene	156	ug/m3	0.89	0.44	1.61		06/08/16 00:58	79-01-6	
Vinyl chloride	<0.31	ug/m3	0.42	0.31	1.61		06/08/16 00:58	75-01-4	

Sample: VP-8									
Lab ID: 10350826006									
Collected: 06/03/16 12:03									
Received: 06/04/16 09:30									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Chloroethane	<0.30	ug/m3	0.84	0.30	1.55		06/08/16 01:28	75-00-3	
Chloromethane	<0.17	ug/m3	0.65	0.17	1.55		06/08/16 01:28	74-87-3	
1,1-Dichloroethane	<0.24	ug/m3	1.3	0.24	1.55		06/08/16 01:28	75-34-3	
1,2-Dichloroethane	<0.32	ug/m3	0.64	0.32	1.55		06/08/16 01:28	107-06-2	
1,1-Dichloroethene	<0.37	ug/m3	1.3	0.37	1.55		06/08/16 01:28	75-35-4	
cis-1,2-Dichloroethene	<0.38	ug/m3	1.3	0.38	1.55		06/08/16 01:28	156-59-2	
trans-1,2-Dichloroethene	<0.60	ug/m3	1.3	0.60	1.55		06/08/16 01:28	156-60-5	
Tetrachloroethene	13600	ug/m3	171	68.9	248		06/08/16 14:52	127-18-4	
Trichloroethene	2.1	ug/m3	0.85	0.43	1.55		06/08/16 01:28	79-01-6	
Vinyl chloride	<0.30	ug/m3	0.40	0.30	1.55		06/08/16 01:28	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 Smoke-Out Cleaners
Pace Project No.: 10350826

QC Batch: AIR/26071 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10350826001, 10350826002, 10350826003, 10350826004, 10350826005, 10350826006

METHOD BLANK: 2278467 Matrix: Air
Associated Lab Samples: 10350826001, 10350826002, 10350826003, 10350826004, 10350826005, 10350826006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/m3	<0.16	0.82	06/07/16 10:12	
1,1-Dichloroethene	ug/m3	<0.24	0.81	06/07/16 10:12	
1,2-Dichloroethane	ug/m3	<0.20	0.41	06/07/16 10:12	
Chloroethane	ug/m3	<0.19	0.54	06/07/16 10:12	
Chloromethane	ug/m3	<0.11	0.42	06/07/16 10:12	
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	06/07/16 10:12	
Tetrachloroethene	ug/m3	<0.28	0.69	06/07/16 10:12	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	06/07/16 10:12	
Trichloroethene	ug/m3	<0.28	0.55	06/07/16 10:12	
Vinyl chloride	ug/m3	<0.20	0.26	06/07/16 10:12	

LABORATORY CONTROL SAMPLE: 2278468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	41.2	47.6	116	62-139	
1,1-Dichloroethene	ug/m3	40.3	43.0	107	62-135	
1,2-Dichloroethane	ug/m3	41.2	42.3	103	61-144	
Chloroethane	ug/m3	26.8	28.9	108	61-136	
Chloromethane	ug/m3	21	22.6	107	62-133	
cis-1,2-Dichloroethene	ug/m3	40.3	42.6	106	65-139	
Tetrachloroethene	ug/m3	69	75.5	109	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	42.5	105	67-137	
Trichloroethene	ug/m3	54.6	56.6	104	60-144	
Vinyl chloride	ug/m3	26	27.3	105	63-135	

SAMPLE DUPLICATE: 2279274

Parameter	Units	10350810005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	<0.29	<0.29			25
1,1-Dichloroethene	ug/m3	<0.44	<0.44			25
1,2-Dichloroethane	ug/m3	<0.38	<0.38			25
Chloroethane	ug/m3	<0.36	<0.36			25
Chloromethane	ug/m3	<0.20	<0.20			25
cis-1,2-Dichloroethene	ug/m3	<0.45	<0.45			25
Tetrachloroethene	ug/m3	<0.51	<0.51			25
trans-1,2-Dichloroethene	ug/m3	<0.70	<0.70			25
Trichloroethene	ug/m3	<0.51	<0.51			25
Vinyl chloride	ug/m3	<0.36	<0.36			25

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

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QUALIFIERS

Project: 1E-1105023 Smoke-Out Cleaners

Pace Project No.: 10350826

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 Smoke-Out Cleaners

Pace Project No.: 10350826

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10350826001	VP-3	TO-15	AIR/26071		
10350826002	VP-4	TO-15	AIR/26071		
10350826003	VP-5	TO-15	AIR/26071		
10350826004	VP-6	TO-15	AIR/26071		
10350826005	VP-7	TO-15	AIR/26071		
10350826006	VP-8	TO-15	AIR/26071		

REPORT OF LABORATORY ANALYSIS

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10350826

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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



Section A Required Client Information: Company: <u>Giled Engineering</u> Address: <u>18 W 223rd Johnson Dr</u> <u>Waukegan WI 53186</u> Email To: <u>Sowens@gileseeng.com</u> Phone: <u>262-544-0118</u> Fax: Requested Due Date/TAT: <u>5 days</u>		Section B Required Project Information: Report To: Copy To: <u>same</u> Address: Purchase Order No.: Project Name: Project Number:		Section C Invoice Information: Attention: Company Name: <u>same</u> Address: Pace Quote Reference: Pace Project Manager/Sales Rep. Pace Profile #:		Page: <u>1</u> of <u>1</u> 19275 Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other Location of Sampling by State: <u>WI</u> Reporting Units: <u>ug/m³</u> <u>mg/m³</u> <u>PPMV</u> <u>PPMV</u> <u>Other</u> Report Level: II. ___ III. ___ IV. ___ Other ___					
Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE		Valid Media Codes MEDIA: TB, 1 Liter Summa Can, 6LC, Low Volume Puff, High Volume Puff, RVP, PM10, Other		PID Reading (Client only) MEDIA CODE COMPOSITE START END/SRAB DATE TIME DATE TIME COMPOSITE-		COLLECTED Canister Pressure (Initial Field - psig) Canister Pressure (Final Field - psig) Summa Can Number Flow Control Number		Method: PM10 30- Fixed Gas (%) TO-3 TO-3M (Methane) TO-4 (PCBs) TO-13 (PAH) TO-14 TO-15 TO-15 Short List Pace Lab ID			
1	VP-3	6/3/16	1137	6/3/16	1216	30	4	1722	2806	X	001
2	VP-4		1110		1149	30	4	0582	2808		002
3	VP-5		1121		1200	29	4	1544	2827		003
4	VP-6		1037		1117	30	4	1442	0710		004
5	VP-7		1053		1125	25	4	2359	1163		005
6	VP-8		1130		1203	28	4	0164	0678		006
7											
8											
9											
10											
11											
12											


RELIQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<u>KH</u>	<u>6/3/16</u>	<u>1300</u>	<u>Kelly Hayden</u>	<u>6/16</u>	<u>0830</u>	Temp in °C Received on Y/N Ice Y/N Custody Y/N Sealed Cooler Y/N Samples Intact Y/N
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <u>Kelly Hayden</u> SIGNATURE OF SAMPLER: <u>[Signature]</u> DATE Signed (MM/DD/YY): <u>6/13/16</u>						

ORIGINAL

Air Sample Condition Upon Receipt

Client Name: Giles Eng. **Project #:** _____

WO#: 10350826



10350826

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: wg hco

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No **Seals Intact?** Yes No **Optional:** Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ **Temp Blank rec:** Yes No

Temp. (TO17 and TO13 samples only) (°C): 8 **Corrected Temp (°C):** 8 **Thermom. Used:** 888A912167504 151401163
 888A0143310098 151401164
Temp should be above freezing to 6°C **Correction Factor:** 1 **Date & Initials of Person Examining Contents:** 6/1/16

Type of ice Received Blue Wet None

Comments:

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

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: Steve Owens **Date/Time:** 6/1/16

Comments/Resolution: _____

Report only 1,1-DCA, 1,2-DCA, 1,1-DCE, cis 1,2-DCE, trans 1,2-DCE, PCE, TCE and vinyl chloride.

Project Manager Review: Carolynne Trout **Date:** 6/6/16

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

October 11, 2016

Steve Owens
Giles Engineering
N8 W22350 S. Johnson Drive
Waukesha, WI 53186

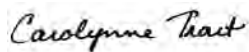
RE: Project: 1E-1105023 Smoke Out-Green Bay
Pace Project No.: 10364511

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2016. 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,



Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Association



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1E-1105023 Smoke Out-Green Bay

Pace Project No.: 10364511

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification UST-107

525 N 8th Street, Salina, KS 67401

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 1E-1105023 Smoke Out-Green Bay

Pace Project No.: 10364511

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10364511001	VP-4	Air	09/29/16 09:15	09/30/16 09:30
10364511002	VP-3	Air	09/29/16 09:37	09/30/16 09:30
10364511003	VP-5	Air	09/29/16 09:21	09/30/16 09:30
10364511004	VP-6	Air	09/29/16 10:33	09/30/16 09:30
10364511005	VP-7	Air	09/29/16 10:46	09/30/16 09:30
10364511006	VP-8	Air	09/29/16 09:34	09/30/16 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 Smoke Out-Green Bay

Pace Project No.: 10364511

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10364511001	VP-4	TO-15	MJL, NCK	10
10364511002	VP-3	TO-15	NCK	10
10364511003	VP-5	TO-15	NCK	10
10364511004	VP-6	TO-15	MJL, NCK	10
10364511005	VP-7	TO-15	MJL, NCK	10
10364511006	VP-8	TO-15	MJL, NCK	10

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke Out-Green Bay

Sample Project No.: 10364511

Sample: VP-4									
Lab ID: 10364511001									
Collected: 09/29/16 09:15									
Received: 09/30/16 09:30									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.28	ug/m3	0.78	0.28	1.44		10/07/16 15:57	75-00-3	
Chloromethane	<0.16	ug/m3	0.60	0.16	1.44		10/07/16 15:57	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.44		10/07/16 15:57	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	0.59	0.30	1.44		10/07/16 15:57	107-06-2	
1,1-Dichloroethene	1.2	ug/m3	1.2	0.34	1.44		10/07/16 15:57	75-35-4	
cis-1,2-Dichloroethene	36200	ug/m3	14900	1810	7372.8		10/11/16 06:05	156-59-2	A3,IS
trans-1,2-Dichloroethene	67.6	ug/m3	1.2	0.55	1.44		10/07/16 15:57	156-60-5	
Tetrachloroethene	1280000	ug/m3	25400	2050	7372.8		10/11/16 06:05	127-18-4	A3,IS
Trichloroethene	36400	ug/m3	20100	2030	7372.8		10/11/16 06:05	79-01-6	A3,IS
Vinyl chloride	12.4	ug/m3	0.37	0.28	1.44		10/07/16 15:57	75-01-4	

Sample: VP-3									
Lab ID: 10364511002									
Collected: 09/29/16 09:37									
Received: 09/30/16 09:30									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<5.8	ug/m3	16.1	5.8	29.8		10/11/16 01:29	75-00-3	
Chloromethane	<3.2	ug/m3	12.5	3.2	29.8		10/11/16 01:29	74-87-3	
1,1-Dichloroethane	<4.7	ug/m3	61.3	4.7	29.8		10/11/16 01:29	75-34-3	
1,2-Dichloroethane	<6.1	ug/m3	61.3	6.1	29.8		10/11/16 01:29	107-06-2	
1,1-Dichloroethene	<7.1	ug/m3	24.1	7.1	29.8		10/11/16 01:29	75-35-4	
cis-1,2-Dichloroethene	55.2J	ug/m3	60.0	7.3	29.8		10/11/16 01:29	156-59-2	IS
trans-1,2-Dichloroethene	<11.4	ug/m3	60.0	11.4	29.8		10/11/16 01:29	156-60-5	
Tetrachloroethene	5960	ug/m3	1310	530	1907.2		10/11/16 13:18	127-18-4	A3
Trichloroethene	75.0J	ug/m3	81.4	8.2	29.8		10/11/16 01:29	79-01-6	
Vinyl chloride	<5.8	ug/m3	7.7	5.8	29.8		10/11/16 01:29	75-01-4	

Sample: VP-5									
Lab ID: 10364511003									
Collected: 09/29/16 09:21									
Received: 09/30/16 09:30									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<12.0	ug/m3	33.5	12.0	62		10/11/16 04:38	75-00-3	
Chloromethane	<6.7	ug/m3	26.0	6.7	62		10/11/16 04:38	74-87-3	
1,1-Dichloroethane	<9.7	ug/m3	128	9.7	62		10/11/16 04:38	75-34-3	
1,2-Dichloroethane	<12.7	ug/m3	128	12.7	62		10/11/16 04:38	107-06-2	
1,1-Dichloroethene	<14.8	ug/m3	50.2	14.8	62		10/11/16 04:38	75-35-4	
cis-1,2-Dichloroethene	39100	ug/m3	3210	976	3968		10/11/16 14:54	156-59-2	A3
trans-1,2-Dichloroethene	238	ug/m3	125	23.8	62		10/11/16 04:38	156-60-5	IS
Tetrachloroethene	309000	ug/m3	2730	1100	3968		10/11/16 14:54	127-18-4	A3
Trichloroethene	27500	ug/m3	2180	1100	3968		10/11/16 14:54	79-01-6	A3
Vinyl chloride	<12.1	ug/m3	16.1	12.1	62		10/11/16 04:38	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke Out-Green Bay

Project No.: 10364511

Sample: VP-6 Lab ID: 10364511004 Collected: 09/29/16 10:33 Received: 09/30/16 09:30 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.29	ug/m3	0.80	0.29	1.49		10/07/16 15:02	75-00-3	
Chloromethane	<0.16	ug/m3	0.63	0.16	1.49		10/07/16 15:02	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.49		10/07/16 15:02	75-34-3	
1,2-Dichloroethane	<0.31	ug/m3	0.61	0.31	1.49		10/07/16 15:02	107-06-2	
1,1-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.49		10/07/16 15:02	75-35-4	
cis-1,2-Dichloroethene	<0.37	ug/m3	1.2	0.37	1.49		10/07/16 15:02	156-59-2	
trans-1,2-Dichloroethene	<0.57	ug/m3	1.2	0.57	1.49		10/07/16 15:02	156-60-5	
Tetrachloroethene	1140	ug/m3	138	11.1	39.93		10/11/16 04:17	127-18-4	
Trichloroethene	<0.41	ug/m3	0.82	0.41	1.49		10/07/16 15:02	79-01-6	
Vinyl chloride	<0.29	ug/m3	0.39	0.29	1.49		10/07/16 15:02	75-01-4	

Sample: VP-7 Lab ID: 10364511005 Collected: 09/29/16 10:46 Received: 09/30/16 09:30 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.29	ug/m3	0.80	0.29	1.49		10/07/16 15:30	75-00-3	
Chloromethane	<0.16	ug/m3	0.63	0.16	1.49		10/07/16 15:30	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.49		10/07/16 15:30	75-34-3	
1,2-Dichloroethane	<0.31	ug/m3	0.61	0.31	1.49		10/07/16 15:30	107-06-2	
1,1-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.49		10/07/16 15:30	75-35-4	
cis-1,2-Dichloroethene	16.5	ug/m3	1.2	0.37	1.49		10/07/16 15:30	156-59-2	
trans-1,2-Dichloroethene	0.99J	ug/m3	1.2	0.57	1.49		10/07/16 15:30	156-60-5	
Tetrachloroethene	24200	ug/m3	1640	133	476.8		10/11/16 05:22	127-18-4	A3,IS
Trichloroethene	1270J	ug/m3	1300	132	476.8		10/11/16 05:22	79-01-6	A3,IS
Vinyl chloride	<0.29	ug/m3	0.39	0.29	1.49		10/07/16 15:30	75-01-4	

Sample: VP-8 Lab ID: 10364511006 Collected: 09/29/16 09:34 Received: 09/30/16 09:30 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.28	ug/m3	0.78	0.28	1.44		10/07/16 21:11	75-00-3	
Chloromethane	<0.16	ug/m3	0.60	0.16	1.44		10/07/16 21:11	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.44		10/07/16 21:11	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	0.59	0.30	1.44		10/07/16 21:11	107-06-2	
1,1-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.44		10/07/16 21:11	75-35-4	
cis-1,2-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.44		10/07/16 21:11	156-59-2	
trans-1,2-Dichloroethene	<0.55	ug/m3	1.2	0.55	1.44		10/07/16 21:11	156-60-5	
Tetrachloroethene	19200	ug/m3	1590	128	460.8		10/11/16 05:44	127-18-4	A3,IS
Trichloroethene	7.1	ug/m3	0.79	0.40	1.44		10/07/16 21:11	79-01-6	
Vinyl chloride	<0.28	ug/m3	0.37	0.28	1.44		10/07/16 21:11	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 Smoke Out-Green Bay
Pace Project No.: 10364511

QC Batch: 439945 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10364511001, 10364511004, 10364511005, 10364511006

METHOD BLANK: 2391892 Matrix: Air
Associated Lab Samples: 10364511001, 10364511004, 10364511005, 10364511006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/m3	<0.16	0.82	10/07/16 11:38	
1,1-Dichloroethene	ug/m3	<0.24	0.81	10/07/16 11:38	
1,2-Dichloroethane	ug/m3	<0.20	0.41	10/07/16 11:38	
Chloroethane	ug/m3	<0.19	0.54	10/07/16 11:38	
Chloromethane	ug/m3	<0.11	0.42	10/07/16 11:38	
cis-1,2-Dichloroethene	ug/m3	<0.25	2.0	10/07/16 11:38	
Tetrachloroethene	ug/m3	<0.28	3.4	10/07/16 11:38	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	10/07/16 11:38	
Trichloroethene	ug/m3	<0.28	2.7	10/07/16 11:38	
Vinyl chloride	ug/m3	<0.20	0.26	10/07/16 11:38	

LABORATORY CONTROL SAMPLE: 2391893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	41.2	46.2	112	62-139	
1,1-Dichloroethene	ug/m3	40.3	44.8	111	62-135	
1,2-Dichloroethane	ug/m3	41.2	48.0	117	61-144	
Chloroethane	ug/m3	26.8	28.5	106	61-136	
Chloromethane	ug/m3	21	21.8	104	62-133	
cis-1,2-Dichloroethene	ug/m3	40.3	47.1	117	65-139	
Tetrachloroethene	ug/m3	69	87.5	127	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	46.8	116	67-137	
Trichloroethene	ug/m3	54.6	67.2	123	60-144	
Vinyl chloride	ug/m3	26	28.2	108	63-135	

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.

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QUALITY CONTROL DATA

Project: 1E-1105023 Smoke Out-Green Bay

Pace Project No.: 10364511

QC Batch: 440253

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10364511002, 10364511003

METHOD BLANK: 2394204

Matrix: Air

Associated Lab Samples: 10364511002, 10364511003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/m3	<0.16	2.1	10/10/16 10:29	
1,1-Dichloroethene	ug/m3	<0.24	0.81	10/10/16 10:29	
1,2-Dichloroethane	ug/m3	<0.20	2.1	10/10/16 10:29	
Chloroethane	ug/m3	<0.19	0.54	10/10/16 10:29	
Chloromethane	ug/m3	<0.11	0.42	10/10/16 10:29	
cis-1,2-Dichloroethene	ug/m3	<0.25	2.0	10/10/16 10:29	
Tetrachloroethene	ug/m3	<0.28	0.69	10/10/16 10:29	
trans-1,2-Dichloroethene	ug/m3	<0.38	2.0	10/10/16 10:29	
Trichloroethene	ug/m3	<0.28	2.7	10/10/16 10:29	
Vinyl chloride	ug/m3	<0.20	0.26	10/10/16 10:29	

LABORATORY CONTROL SAMPLE: 2394205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	41.2	41.2	100	62-139	
1,1-Dichloroethene	ug/m3	40.3	51.3	127	62-135	CH
1,2-Dichloroethane	ug/m3	41.2	43.5	106	61-144	
Chloroethane	ug/m3	26.8	30.4	113	61-136	
Chloromethane	ug/m3	21	24.2	115	62-133	
cis-1,2-Dichloroethene	ug/m3	40.3	45.5	113	65-139	
Tetrachloroethene	ug/m3	69	89.1	129	60-142	
trans-1,2-Dichloroethene	ug/m3	40.3	45.4	113	67-137	
Trichloroethene	ug/m3	54.6	65.1	119	60-144	
Vinyl chloride	ug/m3	26	32.3	124	63-135	

SAMPLE DUPLICATE: 2394898

Parameter	Units	10364564001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/m3	ND	<0.25		25	
1,1-Dichloroethene	ug/m3	ND	<0.38		25	
1,2-Dichloroethane	ug/m3	ND	<0.33		25	
Chloroethane	ug/m3	ND	<0.31		25	
Chloromethane	ug/m3	ND	<0.17		25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.40		25	
Tetrachloroethene	ug/m3	ND	5.0		25	IS
trans-1,2-Dichloroethene	ug/m3	ND	<0.62		25	
Trichloroethene	ug/m3	ND	<0.44		25	
Vinyl chloride	ug/m3	ND	<0.31		25	

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

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QUALIFIERS

Project: 1E-1105023 Smoke Out-Green Bay

Pace Project No.: 10364511

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.

SAMPLE QUALIFIERS

Sample: 10364511003

[1] This result is reported from a serial dilution.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

IS The internal standard recovery associated with this result exceeds the lower control limit. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 Smoke Out-Green Bay

Pace Project No.: 10364511

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10364511001	VP-4	TO-15	439945		
10364511002	VP-3	TO-15	440253		
10364511003	VP-5	TO-15	440253		
10364511004	VP-6	TO-15	439945		
10364511005	VP-7	TO-15	439945		
10364511006	VP-8	TO-15	439945		

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

10364511

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	28942	Page: 1 of 1
Company: Giles Engineering	Report To: Steve Owens	Attention:	<i>June</i>	
Address: 118 W222350 Johnson Dr Waukesha, WI	Copy To: Kelly Hayden khayden@gilesengr.com	Company Name:		
Email To: scowens@gmail.com	Purchase Order No.:	Address:	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
Phone: 262-544-0118 Fax:	Project Name: Smoke out-greenbay	Pace Quote Reference:		
Requested Due Date/TAT: 7 day	Project Number: IE-1105223	Pace Project Manager/Sales Rep.	Location of Sampling by State _____ Reporting Units ug/m ³ _____ mg/m ³ _____ PPBV _____ PPMV _____ Other _____	
		Pace Profile #:		

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedia: Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID		
					COMPOSITE START END/GRAB		COMPOSITE -						PM10	SC - Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15		TO-15 Short List*	
					DATE	TIME	DATE	TIME															
1	VP-34		6LC		9/29/16	836	915	28	1	2109	1116									X	001		
2	VP-33					836	937	30	4	1089	2801											002	
3	VP-5					845	921	28	4	2690	2854												003
4	VP-6					955	933	29	3.5	2045	2833												004
6	VP-7					1000	1046	31	4	0465	0645												005
6	VP-8					854	934	30	4	0853	0995												006

Comments: analyze for: PCE TCE cis-1,2-DCE trans-1,2-DCE 1,1-DCE 1,1-DCA 1,2-DCA Chloromethane Chloroethane Vinyl Chloride 10 total ORIGINAL	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Kelly Hayden</i>	9/29/16	1132	<i>Kelly Hayden</i>	9/30/16	0430	AMB
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Kelly Hayden</i> SIGNATURE of SAMPLER: <i>Kelly Hayden</i> DATE Signed (MM/DD/YY) <i>9/29/16</i>							Temp in °C Received on Ice Custody Sealed Cooler Samples Intact



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.11

Document Revised: 26APR2016
Page 1 of 1
Issuing Authority:
Pace Minnesota Quality Office

**Air Sample Condition
Upon Receipt**

Client Name: Giles Eng.

Project #:

WO# : 10364511

10364511

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: waltco

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): 0 Corrected Temp (°C): 0 Thermom. Used: B88A912167504 B88A0143310098 151401163 151401164
Temp should be above freezing to 6°C Correction Factor: 0 Date & Initials of Person Examining Contents: 10/3/16

Type of ice Received Blue Wet None

Comments:

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

Samples Received:

Sample Number	Canisters		Sample Number	Canisters	
	Can ID	Flow Controller ID		Can ID	Flow Controller ID

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Carolynne Trout

Date: 10/3/16

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

April 03, 2017

Steve Owens
Giles Engineering
N8 W22350 S. Johnson Drive
Waukesha, WI 53186

RE: Project: 1E-1105023 Smoke Out Green Bay
Pace Project No.: 10381941

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on March 16, 2017. 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,



Sarah Platzer
sarah.platzer@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Association



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10381941

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: UST-078

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas Certification #: 88-0680

California Certification #: MN00064

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia WW Certification #: 382

Wisconsin Certification #: 999407970

Wyoming via EPA Region 8 Certification #: 8TMS-L

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SAMPLE SUMMARY

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10381941

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10381941001	VP-3	Air	03/15/17 11:10	03/16/17 09:20
10381941002	VP-4	Air	03/15/17 10:43	03/16/17 09:20
10381941003	VP-5	Air	03/15/17 10:45	03/16/17 09:20
10381941004	VP-6	Air	03/15/17 12:08	03/16/17 09:20
10381941005	VP-7	Air	03/15/17 12:20	03/16/17 09:20
10381941006	VP-8	Air	03/15/17 10:48	03/16/17 09:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10381941

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10381941001	VP-3	TO-15	MLS	10
10381941002	VP-4	TO-15	DR1, MLS	10
10381941003	VP-5	TO-15	DR1, MLS	10
10381941004	VP-6	TO-15	DR1, MLS	10
10381941005	VP-7	TO-15	DR1, MLS	10
10381941006	VP-8	TO-15	MLS	10

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10381941

Sample: VP-3 Lab ID: 10381941001 Collected: 03/15/17 11:10 Received: 03/16/17 09:20 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<0.28	ug/m3	0.78	0.28	1.44		03/30/17 14:29	75-00-3	
Chloromethane	<0.16	ug/m3	0.60	0.16	1.44		03/30/17 14:29	74-87-3	
1,1-Dichloroethane	<0.23	ug/m3	1.2	0.23	1.44		03/30/17 14:29	75-34-3	
1,2-Dichloroethane	<0.30	ug/m3	0.59	0.30	1.44		03/30/17 14:29	107-06-2	
1,1-Dichloroethene	<0.34	ug/m3	1.2	0.34	1.44		03/30/17 14:29	75-35-4	
cis-1,2-Dichloroethene	<0.35	ug/m3	1.2	0.35	1.44		03/30/17 14:29	156-59-2	
trans-1,2-Dichloroethene	<0.55	ug/m3	1.2	0.55	1.44		03/30/17 14:29	156-60-5	
Tetrachloroethene	<0.40	ug/m3	2.0	0.40	1.44		03/30/17 14:29	127-18-4	
Trichloroethene	0.44J	ug/m3	0.79	0.40	1.44		03/30/17 14:29	79-01-6	
Vinyl chloride	<0.28	ug/m3	0.37	0.28	1.44		03/30/17 14:29	75-01-4	

Sample: VP-4 Lab ID: 10381941002 Collected: 03/15/17 10:43 Received: 03/16/17 09:20 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<5.4	ug/m3	15.0	5.4	27.8		03/30/17 15:18	75-00-3	
Chloromethane	<3.0	ug/m3	11.7	3.0	27.8		03/30/17 15:18	74-87-3	
1,1-Dichloroethane	<4.4	ug/m3	22.8	4.4	27.8		03/30/17 15:18	75-34-3	
1,2-Dichloroethane	<5.7	ug/m3	11.4	5.7	27.8		03/30/17 15:18	107-06-2	
1,1-Dichloroethene	<6.6	ug/m3	22.5	6.6	27.8		03/30/17 15:18	75-35-4	
cis-1,2-Dichloroethene	12600	ug/m3	1440	438	1779.2		03/31/17 17:13	156-59-2	A3
trans-1,2-Dichloroethene	54.8	ug/m3	22.5	10.7	27.8		03/30/17 15:18	156-60-5	
Tetrachloroethene	604000	ug/m3	2450	495	1779.2		03/31/17 17:13	127-18-4	A3,E
Trichloroethene	13200	ug/m3	979	491	1779.2		03/31/17 17:13	79-01-6	A3
Vinyl chloride	<5.4	ug/m3	7.2	5.4	27.8		03/30/17 15:18	75-01-4	

Sample: VP-5 Lab ID: 10381941003 Collected: 03/15/17 10:45 Received: 03/16/17 09:20 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Chloroethane	<5.6	ug/m3	15.6	5.6	28.8		03/30/17 15:41	75-00-3	
Chloromethane	<3.1	ug/m3	12.1	3.1	28.8		03/30/17 15:41	74-87-3	
1,1-Dichloroethane	<4.5	ug/m3	23.6	4.5	28.8		03/30/17 15:41	75-34-3	
1,2-Dichloroethane	<5.9	ug/m3	11.8	5.9	28.8		03/30/17 15:41	107-06-2	
1,1-Dichloroethene	<6.9	ug/m3	23.3	6.9	28.8		03/30/17 15:41	75-35-4	
cis-1,2-Dichloroethene	12800	ug/m3	746	227	921.6		03/31/17 16:50	156-59-2	A3
trans-1,2-Dichloroethene	168	ug/m3	23.3	11.1	28.8		03/30/17 15:41	156-60-5	
Tetrachloroethene	93700	ug/m3	1270	256	921.6		03/31/17 16:50	127-18-4	A3
Trichloroethene	7040	ug/m3	507	254	921.6		03/31/17 16:50	79-01-6	A3
Vinyl chloride	9.6	ug/m3	7.5	5.6	28.8		03/30/17 15:41	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 Smoke Out Green Bay

Project No.: 10381941

Sample: VP-6									
Lab ID: 10381941004									
Collected: 03/15/17 12:08									
Received: 03/16/17 09:20									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Chloroethane	<5.8	ug/m3	16.1	5.8	29.8		03/30/17 16:04	75-00-3	
Chloromethane	<3.2	ug/m3	12.5	3.2	29.8		03/30/17 16:04	74-87-3	
1,1-Dichloroethane	<4.7	ug/m3	24.4	4.7	29.8		03/30/17 16:04	75-34-3	
1,2-Dichloroethane	<6.1	ug/m3	12.2	6.1	29.8		03/30/17 16:04	107-06-2	
1,1-Dichloroethene	<7.1	ug/m3	24.1	7.1	29.8		03/30/17 16:04	75-35-4	
cis-1,2-Dichloroethene	<7.3	ug/m3	24.1	7.3	29.8		03/31/17 15:41	156-59-2	
trans-1,2-Dichloroethene	<11.4	ug/m3	24.1	11.4	29.8		03/30/17 16:04	156-60-5	
Tetrachloroethene	2670	ug/m3	41.1	8.3	29.8		03/31/17 15:41	127-18-4	
Trichloroethene	<8.2	ug/m3	16.4	8.2	29.8		03/31/17 15:41	79-01-6	
Vinyl chloride	<5.8	ug/m3	7.7	5.8	29.8		03/30/17 16:04	75-01-4	

Sample: VP-7									
Lab ID: 10381941005									
Collected: 03/15/17 12:20									
Received: 03/16/17 09:20									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Chloroethane	<5.4	ug/m3	15.0	5.4	27.8		03/30/17 16:27	75-00-3	
Chloromethane	<3.0	ug/m3	11.7	3.0	27.8		03/30/17 16:27	74-87-3	
1,1-Dichloroethane	<4.4	ug/m3	22.8	4.4	27.8		03/30/17 16:27	75-34-3	
1,2-Dichloroethane	<5.7	ug/m3	11.4	5.7	27.8		03/30/17 16:27	107-06-2	
1,1-Dichloroethene	<6.6	ug/m3	22.5	6.6	27.8		03/30/17 16:27	75-35-4	
cis-1,2-Dichloroethene	41.3	ug/m3	22.5	6.8	27.8		03/30/17 16:27	156-59-2	
trans-1,2-Dichloroethene	<10.7	ug/m3	22.5	10.7	27.8		03/30/17 16:27	156-60-5	
Tetrachloroethene	16200	ug/m3	307	61.8	222.4		03/31/17 16:04	127-18-4	A3
Trichloroethene	454	ug/m3	15.3	7.7	27.8		03/30/17 16:27	79-01-6	
Vinyl chloride	<5.4	ug/m3	7.2	5.4	27.8		03/30/17 16:27	75-01-4	

Sample: VP-8									
Lab ID: 10381941006									
Collected: 03/15/17 10:48									
Received: 03/16/17 09:20									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Chloroethane	<5.6	ug/m3	15.6	5.6	28.8		03/30/17 16:49	75-00-3	
Chloromethane	<3.1	ug/m3	12.1	3.1	28.8		03/30/17 16:49	74-87-3	
1,1-Dichloroethane	<4.5	ug/m3	23.6	4.5	28.8		03/30/17 16:49	75-34-3	
1,2-Dichloroethane	<5.9	ug/m3	11.8	5.9	28.8		03/30/17 16:49	107-06-2	
1,1-Dichloroethene	<6.9	ug/m3	23.3	6.9	28.8		03/30/17 16:49	75-35-4	
cis-1,2-Dichloroethene	<7.1	ug/m3	23.3	7.1	28.8		03/30/17 16:49	156-59-2	
trans-1,2-Dichloroethene	<11.1	ug/m3	23.3	11.1	28.8		03/30/17 16:49	156-60-5	
Tetrachloroethene	5360	ug/m3	39.7	8.0	28.8		03/30/17 16:49	127-18-4	
Trichloroethene	<7.9	ug/m3	15.8	7.9	28.8		03/30/17 16:49	79-01-6	
Vinyl chloride	<5.6	ug/m3	7.5	5.6	28.8		03/30/17 16:49	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10381941

QC Batch: 466338 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10381941001, 10381941002, 10381941003, 10381941004, 10381941005, 10381941006

METHOD BLANK: 2548680 Matrix: Air
 Associated Lab Samples: 10381941001, 10381941002, 10381941003, 10381941004, 10381941005, 10381941006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethane	ug/m3	<0.16	0.82	03/30/17 12:18	
1,1-Dichloroethene	ug/m3	<0.24	0.81	03/30/17 12:18	
1,2-Dichloroethane	ug/m3	<0.20	0.41	03/30/17 12:18	
Chloroethane	ug/m3	<0.19	0.54	03/30/17 12:18	
Chloromethane	ug/m3	<0.11	0.42	03/30/17 12:18	
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	03/30/17 12:18	
Tetrachloroethene	ug/m3	<0.28	1.4	03/30/17 12:18	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	03/30/17 12:18	
Trichloroethene	ug/m3	<0.28	0.55	03/30/17 12:18	
Vinyl chloride	ug/m3	<0.20	0.26	03/30/17 12:18	

LABORATORY CONTROL SAMPLE: 2548681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethane	ug/m3	41.1	45.2	110	70-130	
1,1-Dichloroethene	ug/m3	40.3	44.3	110	70-130	
1,2-Dichloroethane	ug/m3	41.1	44.9	109	70-130	
Chloroethane	ug/m3	26.8	29.3	109	70-132	
Chloromethane	ug/m3	21	22.5	107	70-130	
cis-1,2-Dichloroethene	ug/m3	40.3	45.5	113	70-133	
Tetrachloroethene	ug/m3	68.9	74.0	107	70-130	
trans-1,2-Dichloroethene	ug/m3	40.3	45.2	112	70-131	
Trichloroethene	ug/m3	54.6	64.1	117	70-130	
Vinyl chloride	ug/m3	26	27.9	107	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

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QUALIFIERS

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10381941

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.

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 Smoke Out Green Bay

Pace Project No.: 10381941

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10381941001	VP-3	TO-15	466338		
10381941002	VP-4	TO-15	466338		
10381941003	VP-5	TO-15	466338		
10381941004	VP-6	TO-15	466338		
10381941005	VP-7	TO-15	466338		
10381941006	VP-8	TO-15	466338		

REPORT OF LABORATORY ANALYSIS

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10381941



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Section B Required Project Information: Section C Invoice Information: 18174 Page: 1 of 1

Company: Giles	Report To: Steve Owens	Attention:
Address: 18 W22350 Johna Dr Waukegan, WI	Copy To:	Company Name:
Email To: SOWERS@gileseng.com	Purchase Order No.:	Address:
Phone: 262-544-0176 Fax:	Project Name: Smoke out Green Bay	Pace Quote Reference:
Requested Due Date/TAT: 5-7	Project Number: IE-1105023	Pace Project Manager/Sales Rep:
		Pace Profile #:

Program	
<input type="checkbox"/> UST	<input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act
<input type="checkbox"/> Voluntary Clean Up	<input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Location of Sampling by State: WI	Reporting Units ug/m ³ _____ mg/m ³ _____ PPBV _____ PPMV _____ Other _____
Report Level: II _____ III _____ IV _____ Other _____	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:								Face Lab ID	
					COMPOSITE START		COMPOSITE						PM10	3C: Fixed Gas (%)	TO-3	TO-9M (Methane)	TO-14 (PCBE)	TO-13 (PAH)	TO-14	TO-15		TO-15 Syringe List*
					DATE	TIME	DATE	TIME														
1	VP-3		6L		3/15/17	1032 110	3/15	1110	30	4	0544	1126								X	001	
2	VP-4					1000 1043		1043	30	4	1526	0954										002
3	VP-5					1005 1045		1045	29	3	0491	0986										003
4	VP-6					1032 1209		1209	30	4	0013	1201										004
5	VP-7					1036 1200		1200	30	4	0421	1140										005
6	VP-8					1036 1048		1048	30	4	0263	2849										006

Comments: analyze for:
 PCE 1,2 DCA
 TCE Chloromethane
 cis-1,2 DCE Chloroethane
 trans-1,2 DCE Vinyl chloride
 1,1 DCE
 1,1 DCA ORIGINAL

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
<i>[Signature]</i>	3/15/17	1300	<i>[Signature]</i>	3/16/17	0920	Temp	Y/N	Y/N	Y/N	Y/N
						Received on Ice	Y/N	Y/N	Y/N	Y/N
						Custody Sealed Cooler	Y/N	Y/N	Y/N	Y/N
						Samples Intact	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <i>Kelly Hayden</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>		DATE Signed (MM/DD/YY)			
		3/15/17			



Document Name:
Air Sample Condition Upon Receipt

Document No.:
F-MN-A-106-rev.11

Document Revised: 26APR2016
Page 1 of 1

Issuing Authority:
Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Giles Project #: _____

WO# : 10381941

10381941

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: _____

Tracking Number: 1Z 0X6 W33037112 SB64

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Optional: Proj. Due Date: Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): ✓ Corrected Temp (°C): ✗ Thermom. Used: B88A912167504 B88A0143310098 151401163 151401164

Temp should be above freezing to 6°C Correction Factor: ✗ Date & Initials of Person Examining Contents: 3/16/17

Type of ice Received Blue Wet None

Comments:

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

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: [Signature] Date: 3/16/17

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

APPENDIX G

Groundwater Analytical Reports and Chain-of-Custody Documentation

August 12, 2008

Client: GILES ENGINEERING - WISCONSIN
N8 W22350 Johnson Road
Waukesha, WI 53186

Work Order: WRH0292
Project Name: 1E-0807026 Green Bay, WI
Project Number: 1631 Brookfield Ave.

Attn: Mr. Kevin Bugel

Date Received: 08/08/08

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-833-7036

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
GP-1	WRH0292-01	08/07/08
Trip Blank	WRH0292-02	08/07/08

Samples were received into laboratory on ice.

Wisconsin Certification Number: 128053530

The Chain of Custody, 1 page, is included and is an integral part of this report.

Unless subcontracted, volatiles analyses (including VOC, PVO, GRO, BTEX, and TPH gasoline) performed by TestAmerica Watertown at 1101 Industrial Drive, Units 9&10. All other analyses performed at the address shown in the heading of this report.

Approved By:



TestAmerica Watertown
Brian DeJong For Dan F. Milewsky
Project Manager

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0292
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/12/08 07:33

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRH0292-01 (GP-1 - Ground Water)						Sampled: 08/07/08				
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Bromoform	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Bromomethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:57	mae	8080238	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Carbon Tetrachloride	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Chloroethane	<1.0		ug/L	1.0	3.3	1	08/11/08 21:57	mae	8080238	SW 8260B
Chloroform	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Chloromethane	0.80	J	ug/L	0.30	1.0	1	08/11/08 21:57	mae	8080238	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
1,4-Dichlorobenzene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,2-Dichloroethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	0.83	1	08/11/08 21:57	mae	8080238	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,1-Dichloropropene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
2,3-Dichloropropene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:57	mae	8080238	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Ethylbenzene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Hexachlorobutadiene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	3.3	1	08/11/08 21:57	mae	8080238	SW 8260B
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Naphthalene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:57	mae	8080238	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Styrene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	0.83	1	08/11/08 21:57	mae	8080238	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
Toluene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0292
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/12/08 07:33

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRH0292-01 (GP-1 - Ground Water) - cont.						Sampled: 08/07/08				
VOCs by SW8260B - cont.										
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:57	mae	8080238	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:57	mae	8080238	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	0.83	1	08/11/08 21:57	mae	8080238	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Trichlorofluoromethane	<0.50	C	ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	0.67	1	08/11/08 21:57	mae	8080238	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	1.7	1	08/11/08 21:57	mae	8080238	SW 8260B
<i>Surr: Dibromofluoromethane (89-119%)</i>	<i>109 %</i>									
<i>Surr: Toluene-d8 (91-109%)</i>	<i>100 %</i>									
<i>Surr: 4-Bromofluorobenzene (89-114%)</i>	<i>95 %</i>									
Sample ID: WRH0292-02 (Trip Blank - Ground Water)						Sampled: 08/07/08				
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Bromoform	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Bromomethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:30	mae	8080238	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Carbon Tetrachloride	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Chloroethane	<1.0		ug/L	1.0	3.3	1	08/11/08 21:30	mae	8080238	SW 8260B
Chloroform	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Chloromethane	<0.30		ug/L	0.30	1.0	1	08/11/08 21:30	mae	8080238	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
1,4-Dichlorobenzene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2-Dichloroethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	0.83	1	08/11/08 21:30	mae	8080238	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,1-Dichloropropene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0292
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/12/08 07:33

Analyte	Sample Result	Data Qualifiers	Units	MDL	LOQ	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WRH0292-02 (Trip Blank - Ground Water) - cont.						Sampled: 08/07/08				
VOCs by SW8260B - cont.										
2,3-Dichloropropene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:30	mae	8080238	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Ethylbenzene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Hexachlorobutadiene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	3.3	1	08/11/08 21:30	mae	8080238	SW 8260B
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Naphthalene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:30	mae	8080238	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Styrene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	0.83	1	08/11/08 21:30	mae	8080238	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Toluene	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	0.83	1	08/11/08 21:30	mae	8080238	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	0.83	1	08/11/08 21:30	mae	8080238	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Trichlorofluoromethane	<0.50	C	ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	0.67	1	08/11/08 21:30	mae	8080238	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	1.7	1	08/11/08 21:30	mae	8080238	SW 8260B
Surr: Dibromofluoromethane (89-119%)	108 %									
Surr: Toluene-d8 (91-109%)	96 %									
Surr: 4-Bromofluorobenzene (89-114%)	88 %	Z6								

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0292
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/12/08 07:33

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
Benzene	8080238			ug/L	0.20	0.67	<0.20							
Bromobenzene	8080238			ug/L	0.20	0.67	<0.20							
Bromochloromethane	8080238			ug/L	0.50	1.7	<0.50							
Bromodichloromethane	8080238			ug/L	0.20	0.67	<0.20							
Bromoform	8080238			ug/L	0.20	0.67	<0.20							
Bromomethane	8080238			ug/L	0.50	1.7	<0.50							
n-Butylbenzene	8080238			ug/L	0.20	0.67	<0.20							
sec-Butylbenzene	8080238			ug/L	0.25	0.83	<0.25							
tert-Butylbenzene	8080238			ug/L	0.20	0.67	<0.20							
Carbon Tetrachloride	8080238			ug/L	0.50	1.7	<0.50							
Chlorobenzene	8080238			ug/L	0.20	0.67	<0.20							
Chlorodibromomethane	8080238			ug/L	0.20	0.67	<0.20							
Chloroethane	8080238			ug/L	1.0	3.3	<1.0							
Chloroform	8080238			ug/L	0.20	0.67	<0.20							
Chloromethane	8080238			ug/L	0.30	1.0	<0.30							
2-Chlorotoluene	8080238			ug/L	0.50	1.7	<0.50							
4-Chlorotoluene	8080238			ug/L	0.20	0.67	<0.20							
1,2-Dibromo-3-chloropropane	8080238			ug/L	0.50	1.7	<0.50							
1,2-Dibromoethane (EDB)	8080238			ug/L	0.20	0.67	<0.20							
Dibromomethane	8080238			ug/L	0.20	0.67	<0.20							
1,2-Dichlorobenzene	8080238			ug/L	0.20	0.67	<0.20							
1,3-Dichlorobenzene	8080238			ug/L	0.20	0.67	<0.20							
1,4-Dichlorobenzene	8080238			ug/L	0.50	1.7	<0.50							
Dichlorodifluoromethane	8080238			ug/L	0.50	1.7	<0.50							
1,1-Dichloroethane	8080238			ug/L	0.50	1.7	<0.50							
1,2-Dichloroethane	8080238			ug/L	0.50	1.7	<0.50							
1,1-Dichloroethene	8080238			ug/L	0.50	1.7	<0.50							
cis-1,2-Dichloroethene	8080238			ug/L	0.50	1.7	<0.50							
trans-1,2-Dichloroethene	8080238			ug/L	0.50	1.7	<0.50							
1,2-Dichloropropane	8080238			ug/L	0.50	1.7	<0.50							
1,3-Dichloropropane	8080238			ug/L	0.25	0.83	<0.25							
2,2-Dichloropropane	8080238			ug/L	0.50	1.7	<0.50							
1,1-Dichloropropene	8080238			ug/L	0.50	1.7	<0.50							
cis-1,3-Dichloropropene	8080238			ug/L	0.20	0.67	<0.20							
trans-1,3-Dichloropropene	8080238			ug/L	0.20	0.67	<0.20							
2,3-Dichloropropene	8080238			ug/L	0.25	0.83	<0.25							
Isopropyl Ether	8080238			ug/L	0.50	1.7	<0.50							
Ethylbenzene	8080238			ug/L	0.50	1.7	<0.50							
Hexachlorobutadiene	8080238			ug/L	0.50	1.7	<0.50							
Isopropylbenzene	8080238			ug/L	0.20	0.67	<0.20							
p-Isopropyltoluene	8080238			ug/L	0.20	0.67	<0.20							
Methylene Chloride	8080238			ug/L	1.0	3.3	<1.0							
Methyl tert-Butyl Ether	8080238			ug/L	0.50	1.7	<0.50							
Naphthalene	8080238			ug/L	0.25	0.83	<0.25							
n-Propylbenzene	8080238			ug/L	0.50	1.7	<0.50							

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 N8 W22350 Johnson Road
 Waukesha, WI 53186
 Mr. Kevin Bugel

Work Order: WRH0292
 Project: 1E-0807026 Green Bay, WI
 Project Number: 1631 Brookfield Ave.

Received: 08/08/08
 Reported: 08/12/08 07:33

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
Styrene	8080238			ug/L	0.50	1.7	<0.50							
1,1,1,2-Tetrachloroethane	8080238			ug/L	0.25	0.83	<0.25							
1,1,2,2-Tetrachloroethane	8080238			ug/L	0.20	0.67	<0.20							
Tetrachloroethene	8080238			ug/L	0.50	1.7	<0.50							
Toluene	8080238			ug/L	0.50	1.7	<0.50							
1,2,3-Trichlorobenzene	8080238			ug/L	0.25	0.83	<0.25							
1,2,4-Trichlorobenzene	8080238			ug/L	0.25	0.83	<0.25							
1,1,1-Trichloroethane	8080238			ug/L	0.50	1.7	<0.50							
1,1,2-Trichloroethane	8080238			ug/L	0.25	0.83	<0.25							
Trichloroethene	8080238			ug/L	0.20	0.67	<0.20							
Trichlorofluoromethane	8080238			ug/L	0.50	1.7	<0.50							C
1,2,3-Trichloropropane	8080238			ug/L	0.50	1.7	<0.50							
1,2,4-Trimethylbenzene	8080238			ug/L	0.20	0.67	<0.20							
1,3,5-Trimethylbenzene	8080238			ug/L	0.20	0.67	<0.20							
Vinyl chloride	8080238			ug/L	0.20	0.67	<0.20							
Xylenes, Total	8080238			ug/L	0.50	1.7	<0.50							
Surrogate: Dibromofluoromethane	8080238			ug/L					109		89-119			
Surrogate: Toluene-d8	8080238			ug/L					100		91-109			
Surrogate: 4-Bromofluorobenzene	8080238			ug/L					91		89-114			

GILES ENGINEERING - WISCONSIN
 N8 W22350 Johnson Road
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CCV QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
VOCs by SW8260B														
Benzene	8H11007		50.000	ug/L	N/A	N/A	52.2		104		80-120			
Bromobenzene	8H11007		50.000	ug/L	N/A	N/A	46.9		94		80-120			
Bromochloromethane	8H11007		50.000	ug/L	N/A	N/A	49.7		99		80-120			
Bromodichloromethane	8H11007		50.000	ug/L	N/A	N/A	53.2		106		80-120			
Bromoform	8H11007		50.000	ug/L	N/A	N/A	55.3		111		80-120			
Bromomethane	8H11007		50.000	ug/L	N/A	N/A	51.8		104		80-120			
n-Butylbenzene	8H11007		50.000	ug/L	N/A	N/A	54.0		108		80-120			
sec-Butylbenzene	8H11007		50.000	ug/L	N/A	N/A	50.9		102		80-120			
tert-Butylbenzene	8H11007		50.000	ug/L	N/A	N/A	53.7		107		80-120			
Carbon Tetrachloride	8H11007		50.000	ug/L	N/A	N/A	55.2		110		80-120			
Chlorobenzene	8H11007		50.000	ug/L	N/A	N/A	48.6		97		80-120			
Chlorodibromomethane	8H11007		50.000	ug/L	N/A	N/A	54.0		108		80-120			
Chloroethane	8H11007		50.000	ug/L	N/A	N/A	49.6		99		80-120			
Chloroform	8H11007		50.000	ug/L	N/A	N/A	54.3		109		80-120			
Chloromethane	8H11007		50.000	ug/L	N/A	N/A	45.5		91		80-120			
2-Chlorotoluene	8H11007		50.000	ug/L	N/A	N/A	52.4		105		80-120			
4-Chlorotoluene	8H11007		50.000	ug/L	N/A	N/A	56.0		112		80-120			
1,2-Dibromo-3-chloropropane	8H11007		50.000	ug/L	N/A	N/A	49.4		99		80-120			
1,2-Dibromoethane (EDB)	8H11007		50.000	ug/L	N/A	N/A	52.6		105		80-120			
Dibromomethane	8H11007		50.000	ug/L	N/A	N/A	51.1		102		80-120			
1,2-Dichlorobenzene	8H11007		50.000	ug/L	N/A	N/A	50.5		101		80-120			
1,3-Dichlorobenzene	8H11007		50.000	ug/L	N/A	N/A	48.9		98		80-120			
1,4-Dichlorobenzene	8H11007		50.000	ug/L	N/A	N/A	47.5		95		80-120			
Dichlorodifluoromethane	8H11007		50.000	ug/L	N/A	N/A	53.3		107		80-120			
1,1-Dichloroethane	8H11007		50.000	ug/L	N/A	N/A	50.5		101		80-120			
1,2-Dichloroethane	8H11007		50.000	ug/L	N/A	N/A	52.4		105		80-120			
1,1-Dichloroethene	8H11007		50.000	ug/L	N/A	N/A	54.4		109		80-120			
cis-1,2-Dichloroethene	8H11007		50.000	ug/L	N/A	N/A	55.4		111		80-120			
trans-1,2-Dichloroethene	8H11007		50.000	ug/L	N/A	N/A	51.6		103		80-120			
1,2-Dichloropropane	8H11007		50.000	ug/L	N/A	N/A	47.6		95		80-120			
1,3-Dichloropropane	8H11007		50.000	ug/L	N/A	N/A	51.4		103		80-120			
2,2-Dichloropropane	8H11007		50.000	ug/L	N/A	N/A	52.2		104		80-120			
1,1-Dichloropropene	8H11007		50.000	ug/L	N/A	N/A	50.6		101		80-120			
cis-1,3-Dichloropropene	8H11007		50.000	ug/L	N/A	N/A	51.8		104		80-120			
trans-1,3-Dichloropropene	8H11007		50.000	ug/L	N/A	N/A	52.1		104		80-120			
2,3-Dichloropropene	8H11007		50.000	ug/L	N/A	N/A	50.6		101		80-120			
Isopropyl Ether	8H11007		50.000	ug/L	N/A	N/A	50.7		101		80-120			
Ethylbenzene	8H11007		50.000	ug/L	N/A	N/A	50.9		102		80-120			
Hexachlorobutadiene	8H11007		50.000	ug/L	N/A	N/A	44.4		89		80-120			
Isopropylbenzene	8H11007		50.000	ug/L	N/A	N/A	59.1		118		80-120			
p-Isopropyltoluene	8H11007		50.000	ug/L	N/A	N/A	56.0		112		80-120			
Methylene Chloride	8H11007		50.000	ug/L	N/A	N/A	56.8		114		80-120			
Methyl tert-Butyl Ether	8H11007		50.000	ug/L	N/A	N/A	51.4		103		80-120			
Naphthalene	8H11007		50.000	ug/L	N/A	N/A	50.9		102		80-120			
n-Propylbenzene	8H11007		50.000	ug/L	N/A	N/A	47.8		96		80-120			

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VOCs by SW8260B														
Styrene	8H11007		50.000	ug/L	N/A	N/A	51.9		104		80-120			
1,1,1,2-Tetrachloroethane	8H11007		50.000	ug/L	N/A	N/A	51.7		103		80-120			
1,1,2,2-Tetrachloroethane	8H11007		50.000	ug/L	N/A	N/A	54.2		108		80-120			
Tetrachloroethene	8H11007		50.000	ug/L	N/A	N/A	47.1		94		80-120			
Toluene	8H11007		50.000	ug/L	N/A	N/A	54.4		109		80-120			
1,2,3-Trichlorobenzene	8H11007		50.000	ug/L	N/A	N/A	51.4		103		80-120			
1,2,4-Trichlorobenzene	8H11007		50.000	ug/L	N/A	N/A	52.9		106		80-120			
1,1,1-Trichloroethane	8H11007		50.000	ug/L	N/A	N/A	56.1		112		80-120			
1,1,2-Trichloroethane	8H11007		50.000	ug/L	N/A	N/A	56.2		112		80-120			
Trichloroethene	8H11007		50.000	ug/L	N/A	N/A	48.4		97		80-120			
Trichlorofluoromethane	8H11007		50.000	ug/L	N/A	N/A	65.3		131		80-120			C
1,2,3-Trichloropropane	8H11007		50.000	ug/L	N/A	N/A	48.0		96		80-120			
1,2,4-Trimethylbenzene	8H11007		50.000	ug/L	N/A	N/A	56.5		113		80-120			
1,3,5-Trimethylbenzene	8H11007		50.000	ug/L	N/A	N/A	55.6		111		80-120			
Vinyl chloride	8H11007		50.000	ug/L	N/A	N/A	46.3		93		80-120			
Xylenes, Total	8H11007		150.00	ug/L	N/A	N/A	152		102		80-120			
Surrogate: Dibromofluoromethane	8H11007			ug/L					114		80-120			
Surrogate: Toluene-d8	8H11007			ug/L					112		80-120			
Surrogate: 4-Bromofluorobenzene	8H11007			ug/L					110		80-120			

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 Project Number: 1631 Brookfield Ave.

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MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
VOCs by SW8260B														
QC Source Sample: WRH0292-01														
Benzene	8080238	<0.20	50.000	ug/L	0.20	0.67	53.4	44.6	107	89	80-121	18	11	
Bromobenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	49.5	46.0	99	92	70-130	7	20	
Bromochloromethane	8080238	<0.50	50.000	ug/L	0.50	1.7	51.8	48.0	104	96	70-130	8	20	
Bromodichloromethane	8080238	<0.20	50.000	ug/L	0.20	0.67	53.5	48.0	107	96	70-130	11	20	
Bromoform	8080238	<0.20	50.000	ug/L	0.20	0.67	53.2	49.1	106	98	70-130	8	20	
Bromomethane	8080238	<0.50	50.000	ug/L	0.50	1.7	59.8	52.7	120	105	70-130	13	20	
n-Butylbenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	55.1	46.1	110	92	70-130	18	20	
sec-Butylbenzene	8080238	<0.25	50.000	ug/L	0.25	0.83	54.8	46.7	110	93	70-130	16	20	
tert-Butylbenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	52.5	46.4	105	93	70-130	12	20	
Carbon Tetrachloride	8080238	<0.50	50.000	ug/L	0.50	1.7	59.9	52.7	120	105	70-130	13	20	
Chlorobenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	51.0	45.1	102	90	85-116	12	9	R2
Chlorodibromomethane	8080238	<0.20	50.000	ug/L	0.20	0.67	53.8	48.3	108	97	70-130	11	20	
Chloroethane	8080238	<1.0	50.000	ug/L	1.0	3.3	54.4	49.2	109	98	70-130	10	20	
Chloroform	8080238	<0.20	50.000	ug/L	0.20	0.67	57.1	50.8	114	102	70-130	12	20	
Chloromethane	8080238	0.800	50.000	ug/L	0.30	1.0	47.0	43.3	92	85	70-130	8	20	
2-Chlorotoluene	8080238	<0.50	50.000	ug/L	0.50	1.7	52.9	43.8	106	88	70-130	19	20	
4-Chlorotoluene	8080238	<0.20	50.000	ug/L	0.20	0.67	57.2	48.5	114	97	70-130	16	20	
1,2-Dibromo-3-chloropropane	8080238	<0.50	50.000	ug/L	0.50	1.7	50.8	46.3	102	93	70-130	9	20	
1,2-Dibromoethane (EDB)	8080238	<0.20	50.000	ug/L	0.20	0.67	49.9	48.0	100	96	70-130	4	20	
Dibromomethane	8080238	<0.20	50.000	ug/L	0.20	0.67	50.6	46.0	101	92	70-130	10	20	
1,2-Dichlorobenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	51.5	47.4	103	95	70-130	8	20	
1,3-Dichlorobenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	52.3	48.6	105	97	70-130	7	20	
1,4-Dichlorobenzene	8080238	<0.50	50.000	ug/L	0.50	1.7	50.9	42.0	102	84	70-130	19	20	
Dichlorodifluoromethane	8080238	<0.50	50.000	ug/L	0.50	1.7	57.3	49.8	115	100	70-130	14	20	
1,1-Dichloroethane	8080238	<0.50	50.000	ug/L	0.50	1.7	55.4	45.2	111	90	70-130	20	20	
1,2-Dichloroethane	8080238	<0.50	50.000	ug/L	0.50	1.7	55.4	48.7	111	97	70-130	13	20	
1,1-Dichloroethene	8080238	<0.50	50.000	ug/L	0.50	1.7	57.0	52.3	114	105	72-131	9	17	
cis-1,2-Dichloroethene	8080238	<0.50	50.000	ug/L	0.50	1.7	55.9	46.5	112	93	70-130	18	20	
trans-1,2-Dichloroethene	8080238	<0.50	50.000	ug/L	0.50	1.7	56.9	48.2	114	96	70-130	17	20	
1,2-Dichloropropane	8080238	<0.50	50.000	ug/L	0.50	1.7	42.4	42.7	85	85	70-130	1	20	
1,3-Dichloropropane	8080238	<0.25	50.000	ug/L	0.25	0.83	46.9	42.4	94	85	70-130	10	20	
2,2-Dichloropropane	8080238	<0.50	50.000	ug/L	0.50	1.7	55.2	46.8	110	94	70-130	17	20	
1,1-Dichloropropene	8080238	<0.50	50.000	ug/L	0.50	1.7	53.4	47.8	107	96	70-130	11	20	
cis-1,3-Dichloropropene	8080238	<0.20	50.000	ug/L	0.20	0.67	46.5	44.4	93	89	70-130	5	20	
trans-1,3-Dichloropropene	8080238	<0.20	50.000	ug/L	0.20	0.67	50.0	45.3	100	91	70-130	10	20	
Isopropyl Ether	8080238	<0.50	50.000	ug/L	0.50	1.7	51.9	44.8	104	90	68-128	15	16	
Ethylbenzene	8080238	<0.50	50.000	ug/L	0.50	1.7	51.3	44.6	103	89	83-118	14	13	
Hexachlorobutadiene	8080238	<0.50	50.000	ug/L	0.50	1.7	45.6	38.2	91	76	70-130	17	20	
Isopropylbenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	55.4	46.8	111	94	70-130	17	20	
p-Isopropyltoluene	8080238	<0.20	50.000	ug/L	0.20	0.67	55.8	49.3	112	99	70-130	12	20	
Methylene Chloride	8080238	<1.0	50.000	ug/L	1.0	3.3	55.8	44.4	112	89	70-130	23	20	
Methyl tert-Butyl Ether	8080238	<0.50	50.000	ug/L	0.50	1.7	50.3	45.1	101	90	71-127	11	22	
Naphthalene	8080238	<0.25	50.000	ug/L	0.25	0.83	46.9	48.0	94	96	70-130	2	20	
n-Propylbenzene	8080238	<0.50	50.000	ug/L	0.50	1.7	55.2	49.3	110	99	70-130	11	20	
Styrene	8080238	<0.50	50.000	ug/L	0.50	1.7	49.8	46.8	100	94	70-130	6	20	

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VOCs by SW8260B														
QC Source Sample: WRH0292-01														
1,1,1,2-Tetrachloroethane	8080238	<0.25	50.000	ug/L	0.25	0.83	52.8	47.0	106	94	70-130	12	20	
1,1,2,2-Tetrachloroethane	8080238	<0.20	50.000	ug/L	0.20	0.67	53.3	46.0	107	92	70-130	15	20	
Tetrachloroethene	8080238	<0.50	50.000	ug/L	0.50	1.7	50.0	45.2	100	90	70-130	10	20	
Toluene	8080238	<0.50	50.000	ug/L	0.50	1.7	53.2	46.4	106	93	82-116	14	11	R2
1,2,3-Trichlorobenzene	8080238	<0.25	50.000	ug/L	0.25	0.83	51.2	45.4	102	91	70-130	12	20	
1,2,4-Trichlorobenzene	8080238	<0.25	50.000	ug/L	0.25	0.83	52.0	45.4	104	91	70-130	14	20	
1,1,1-Trichloroethane	8080238	<0.50	50.000	ug/L	0.50	1.7	60.8	52.5	122	105	70-130	15	20	
1,1,2-Trichloroethane	8080238	<0.25	50.000	ug/L	0.25	0.83	50.8	46.8	102	94	70-130	8	20	
Trichloroethene	8080238	<0.20	50.000	ug/L	0.20	0.67	53.5	47.0	107	94	80-117	13	13	
Trichlorofluoromethane	8080238	<0.50	50.000	ug/L	0.50	1.7	70.1	60.4	140	121	70-130	15	20	C
1,2,3-Trichloropropane	8080238	<0.50	50.000	ug/L	0.50	1.7	54.6	47.9	109	96	70-130	13	20	
1,2,4-Trimethylbenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	56.4	48.6	113	97	80-122	15	14	R2
1,3,5-Trimethylbenzene	8080238	<0.20	50.000	ug/L	0.20	0.67	56.4	45.3	113	91	83-122	22	12	R2
Vinyl chloride	8080238	<0.20	50.000	ug/L	0.20	0.67	51.6	47.6	103	95	70-130	8	20	
Xylenes, Total	8080238	<0.50	150.00	ug/L	0.50	1.7	150	139	100	92	84-119	8	12	
Surrogate: Dibromofluoromethane	8080238			ug/L					110	108	89-119			
Surrogate: Toluene-d8	8080238			ug/L					106	92	91-109			
Surrogate: 4-Bromofluorobenzene	8080238			ug/L					103	102	89-114			

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CERTIFICATION SUMMARY

TestAmerica Watertown

Method	Matrix	Nelac	Wisconsin
SW 8260B	Water - NonPotable	X	X

DATA QUALIFIERS AND DEFINITIONS

- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- J** Results reported between the Method Detection Limit (MDL) and Limit of Quantitation (LOQ) are less certain than results at or above the LOQ.
- R2** The RPD exceeded the acceptance limit.
- Z6** Surrogate recovery was below acceptance limits.

ADDITIONAL COMMENTS

Giles Engineering Associates, Inc.

- N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 tel: 414-544-0118
- 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 tel: 714-779-0052
- 8300 Guilford Road, Suite F1, Columbia, MD 21046 tel: 410-312-9950
- 10722 North Stemmons Freeway, Dallas, TX 75220 tel: 214-358-5885
- 2830 Agriculture Drive, Madison, WI 53718 tel: 608-223-1853
- 3990 Flowers Road, Suite 530, Atlanta, GA, 30360 tel: 770-458-3399

CHAIN-OF-CUSTODY

- fax: 414-549-5868
- fax: 714-779-0068
- fax: 410-312-9955
- fax: 214-358-5884
- fax: 608-223-1854
- fax: 770-458-3998

- closure sample
- confirmation required (NR720)
- RUSH

WRH0292

Site Commercial

Address 1631 Brookfield Avenue

Green Bay, Wisconsin

POSSIBLE HAZARDS: _____

Sample Collector <u>Greg Roanhouse</u>	Project Manager <u>Kevin Bugel</u>	Project Number <u>IE-0807826</u>
Laboratory Used <u>Tox America</u>	Lab Contact <u>Dan M.</u>	Lab Job Number _____

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Analysis Required											Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp		
					Field Screen																	
					GRO	DRO	VOC	PVOC	BTEX													
1 GP-1		W	8/7/08	AM			X										30	HCl	STD		ICC	
2 Trip Blank				AM			I										10	HCl	STD			
				AM																		
				PM																		
				AM																		
				PM																		
				AM																		
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				AM																		
				PM																		

container code: A = 8 oz/250 ml C = 2 oz/ 60 ml E = 1 L Amber G = poly bag I = _____
 B = 4 oz/ 12 ml D = 40 mL VOA vial HCl F = 250 mL plastic H = _____ J = _____

Relinquished By	Date	Time	Received By
<u>[Signature]</u>	8/8/08	12:00	<u>[Signature]</u>
<u>[Signature]</u>	8/8/08	13:50	<u>[Signature]</u>

INVOICE TO: Send copy to Project Manager
Giles Engineering Associates, Inc.

REPORT TO: same PM
Giles Engineering Associates, Inc.
 Attn: Kevin Bugel

Page 1 of 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Watertown

1101 Industrial Drive, Suites 9 & 10

Watertown, WI 53094

Tel: 800-833-7036

TestAmerica Job ID: WUF0129

Client Project/Site: 1631 Brookfield Ave.

Client Project Description: 1E-1105023 Green Bay, WI

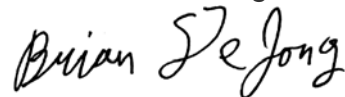
For:

GILES ENGINEERING - WISCONSIN

N8 W22350 Johnson Road

Waukesha, WI 53186

Attn: Mr. Tim Taugher



Authorized for release by:

06/15/2011 06:37:57 AM

Brian DeJong

Organics Manager

Brian.DeJong@testamericainc.com

Designee for

Dan F. Milewsky

Project Manager

Dan.Milewsky@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.



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Definitions/Glossary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
J	Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.
EPA	United States Environmental Protection Agency
ND	Not Detected above the reporting level.
MDL	Method Detection Limit
RL	Reporting Limit
RE, RE1 (etc.)	Indicates a Re-extraction or Reanalysis of the sample.
%R	Percent Recovery
RPD	Relative Percent Difference, a measure of the relative difference between two points.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Detection Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-1

Lab Sample ID: WUF0129-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-1,2-Dichloroethene	5.0		2.0	0.50	ug/L	1.0		SW 8260B	Total
Trichloroethene	22		2.0	0.20	ug/L	1.0		SW 8260B	Total
Vinyl chloride	4.9		2.0	0.20	ug/L	1.0		SW 8260B	Total
cis-1,2-Dichloroethene - RE1	220		16	4.0	ug/L	8.0		SW 8260B	Total
Tetrachloroethene - RE1	270		16	4.0	ug/L	8.0		SW 8260B	Total

Client Sample ID: MW-2

Lab Sample ID: WUF0129-02

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.23	J	2.0	0.20	ug/L	1.0		SW 8260B	Total
Xylenes, Total	1.5	J	2.0	0.50	ug/L	1.0		SW 8260B	Total
cis-1,2-Dichloroethene - RE1	1.8	J	2.0	0.50	ug/L	1.0		SW 8260B	Total
Tetrachloroethene - RE1	4.8		2.0	0.50	ug/L	1.0		SW 8260B	Total

Client Sample ID: MW-3

Lab Sample ID: WUF0129-03

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.29	J	2.0	0.20	ug/L	1.0		SW 8260B	Total
cis-1,2-Dichloroethene	140		2.0	0.50	ug/L	1.0		SW 8260B	Total
trans-1,2-Dichloroethene	3.5		2.0	0.50	ug/L	1.0		SW 8260B	Total
Toluene	0.94	J	2.0	0.50	ug/L	1.0		SW 8260B	Total
Trichloroethene	120		2.0	0.20	ug/L	1.0		SW 8260B	Total
1,2,4-Trimethylbenzene	0.52	J	2.0	0.20	ug/L	1.0		SW 8260B	Total
Vinyl chloride	1.0	J	2.0	0.20	ug/L	1.0		SW 8260B	Total
Xylenes, Total	1.7	J	2.0	0.50	ug/L	1.0		SW 8260B	Total
Tetrachloroethene - RE2	14000		400	100	ug/L	200		SW 8260B	Total

Client Sample ID: MW-4

Lab Sample ID: WUF0129-04

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.65	J	2.0	0.50	ug/L	1.0		SW 8260B	Total
cis-1,2-Dichloroethene	16		2.0	0.50	ug/L	1.0		SW 8260B	Total
trans-1,2-Dichloroethene	0.60	J	2.0	0.50	ug/L	1.0		SW 8260B	Total
Trichloroethene	23		2.0	0.20	ug/L	1.0		SW 8260B	Total
Vinyl chloride	0.30	J	2.0	0.20	ug/L	1.0		SW 8260B	Total
Tetrachloroethene - RE1	25		2.0	0.50	ug/L	1.0		SW 8260B	Total

Client Sample ID: Trip Blank

Lab Sample ID: WUF0129-05

No Detections.

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-1

Lab Sample ID: WUF0129-01

Date Collected: 06/02/11 09:00

Matrix: Ground Water

Date Received: 06/03/11 17:15

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Bromobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Bromochloromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Bromodichloromethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Bromoform	<0.20		5.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Bromomethane	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
n-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
sec-Butylbenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
tert-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Carbon Tetrachloride	<0.80		2.0	0.80	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Chlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Chlorodibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Chloroethane	<1.0		5.0	1.0	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Chloroform	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Chloromethane	<0.30		2.0	0.30	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
2-Chlorotoluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
4-Chlorotoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2-Dibromo-3-chloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2-Dibromoethane (EDB)	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Dibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,3-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,4-Dichlorobenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Dichlorodifluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,1-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,1-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
trans-1,2-Dichloroethene	5.0		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,3-Dichloropropane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
2,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,1-Dichloropropene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
cis-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
trans-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Isopropyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Ethylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Hexachlorobutadiene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Isopropylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
p-Isopropyltoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Methylene Chloride	<1.0		2.0	1.0	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Methyl tert-Butyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Naphthalene	<0.25		5.0	0.25	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
n-Propylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Styrene	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,1,1,2-Tetrachloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,1,2,2-Tetrachloroethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Toluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2,3-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2,4-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,1,1-Trichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-1

Date Collected: 06/02/11 09:00

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-01

Matrix: Ground Water

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Trichloroethene	22		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Trichlorofluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2,3-Trichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Vinyl chloride	4.9		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 23:38	1.0
Xylenes, Total	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 23:38	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		80 - 120	06/07/11 04:14	06/07/11 23:38	1.0
Toluene-d8	101		80 - 120	06/07/11 04:14	06/07/11 23:38	1.0
4-Bromofluorobenzene	96		80 - 120	06/07/11 04:14	06/07/11 23:38	1.0

Method: SW 8260B - VOCs by SW8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	220		16	4.0	ug/L		06/08/11 04:21	06/08/11 10:17	8.0
Tetrachloroethene	270		16	4.0	ug/L		06/08/11 04:21	06/08/11 10:17	8.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	101		80 - 120	06/08/11 04:21	06/08/11 10:17	8.0
Toluene-d8	100		80 - 120	06/08/11 04:21	06/08/11 10:17	8.0
4-Bromofluorobenzene	96		80 - 120	06/08/11 04:21	06/08/11 10:17	8.0

Client Sample ID: MW-2

Date Collected: 06/02/11 08:00

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-02

Matrix: Ground Water

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Bromobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Bromochloromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Bromodichloromethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Bromoform	<0.20		5.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Bromomethane	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
n-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
sec-Butylbenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
tert-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Carbon Tetrachloride	<0.80		2.0	0.80	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Chlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Chlorodibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Chloroethane	<1.0		5.0	1.0	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Chloroform	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Chloromethane	<0.30		2.0	0.30	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
2-Chlorotoluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
4-Chlorotoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2-Dibromo-3-chloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2-Dibromoethane (EDB)	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Dibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-2

Lab Sample ID: WUF0129-02

Date Collected: 06/02/11 08:00

Matrix: Ground Water

Date Received: 06/03/11 17:15

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,4-Dichlorobenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Dichlorodifluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,1-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,1-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
trans-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,3-Dichloropropane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
2,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,1-Dichloropropene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
cis-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
trans-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Isopropyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Ethylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Hexachlorobutadiene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Isopropylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
p-Isopropyltoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Methylene Chloride	<1.0		2.0	1.0	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Methyl tert-Butyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Naphthalene	<0.25		5.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
n-Propylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Styrene	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,1,1,2-Tetrachloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,1,2,2-Tetrachloroethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Toluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2,3-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2,4-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,1,1-Trichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,1,2-Trichloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Trichloroethene	0.23	J	2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Trichlorofluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2,3-Trichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Vinyl chloride	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:04	1.0
Xylenes, Total	1.5	J	2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:04	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		80 - 120	06/07/11 04:14	06/08/11 00:04	1.0
Toluene-d8	101		80 - 120	06/07/11 04:14	06/08/11 00:04	1.0
4-Bromofluorobenzene	96		80 - 120	06/07/11 04:14	06/08/11 00:04	1.0

Method: SW 8260B - VOCs by SW8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.8	J	2.0	0.50	ug/L		06/08/11 04:21	06/08/11 07:40	1.0
Tetrachloroethene	4.8		2.0	0.50	ug/L		06/08/11 04:21	06/08/11 07:40	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		80 - 120	06/08/11 04:21	06/08/11 07:40	1.0
Toluene-d8	100		80 - 120	06/08/11 04:21	06/08/11 07:40	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-2

Date Collected: 06/02/11 08:00

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-02

Matrix: Ground Water

Method: SW 8260B - VOCs by SW8260B - RE1 (Continued)

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		80 - 120	06/08/11 04:21	06/08/11 07:40	1.0

Client Sample ID: MW-3

Date Collected: 06/02/11 08:30

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-03

Matrix: Ground Water

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Bromobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Bromochloromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Bromodichloromethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Bromoform	<0.20		5.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Bromomethane	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
n-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
sec-Butylbenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
tert-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Carbon Tetrachloride	<0.80		2.0	0.80	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Chlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Chlorodibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Chloroethane	<1.0		5.0	1.0	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Chloroform	0.29	J	2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Chloromethane	<0.30		2.0	0.30	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
2-Chlorotoluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
4-Chlorotoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2-Dibromo-3-chloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2-Dibromoethane (EDB)	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Dibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,3-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,4-Dichlorobenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Dichlorodifluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,1-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,1-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
cis-1,2-Dichloroethene	140		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
trans-1,2-Dichloroethene	3.5		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,3-Dichloropropane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
2,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,1-Dichloropropene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
cis-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
trans-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Isopropyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Ethylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Hexachlorobutadiene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Isopropylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
p-Isopropyltoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Methylene Chloride	<1.0		2.0	1.0	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Methyl tert-Butyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-3

Lab Sample ID: WUF0129-03

Date Collected: 06/02/11 08:30

Matrix: Ground Water

Date Received: 06/03/11 17:15

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	<0.25		5.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
n-Propylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Styrene	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,1,1,2-Tetrachloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,1,2,2-Tetrachloroethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Toluene	0.94	J	2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2,3-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2,4-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,1,1-Trichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,1,2-Trichloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Trichloroethene	120		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Trichlorofluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2,3-Trichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,2,4-Trimethylbenzene	0.52	J	2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Vinyl chloride	1.0	J	2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:31	1.0
Xylenes, Total	1.7	J	2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:31	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	101		80 - 120	06/07/11 04:14	06/08/11 00:31	1.0
Toluene-d8	103		80 - 120	06/07/11 04:14	06/08/11 00:31	1.0
4-Bromofluorobenzene	100		80 - 120	06/07/11 04:14	06/08/11 00:31	1.0

Method: SW 8260B - VOCs by SW8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	14000		400	100	ug/L		06/09/11 03:21	06/09/11 13:55	200

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99		80 - 120	06/09/11 03:21	06/09/11 13:55	200
Toluene-d8	100		80 - 120	06/09/11 03:21	06/09/11 13:55	200
4-Bromofluorobenzene	96		80 - 120	06/09/11 03:21	06/09/11 13:55	200

Client Sample ID: MW-4

Lab Sample ID: WUF0129-04

Date Collected: 06/02/11 09:30

Matrix: Ground Water

Date Received: 06/03/11 17:15

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Bromobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Bromochloromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Bromodichloromethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Bromoform	<0.20		5.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Bromomethane	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
n-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
sec-Butylbenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
tert-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Carbon Tetrachloride	<0.80		2.0	0.80	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Chlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Chlorodibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Chloroethane	<1.0		5.0	1.0	ug/L		06/07/11 04:14	06/08/11 00:57	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-4

Lab Sample ID: WUF0129-04

Date Collected: 06/02/11 09:30

Matrix: Ground Water

Date Received: 06/03/11 17:15

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Chloromethane	<0.30		2.0	0.30	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
2-Chlorotoluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
4-Chlorotoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2-Dibromo-3-chloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2-Dibromoethane (EDB)	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Dibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,3-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,4-Dichlorobenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Dichlorodifluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,1-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,1-Dichloroethene	0.65	J	2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
cis-1,2-Dichloroethene	16		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
trans-1,2-Dichloroethene	0.60	J	2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,3-Dichloropropane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
2,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,1-Dichloropropene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
cis-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
trans-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Isopropyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Ethylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Hexachlorobutadiene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Isopropylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
p-Isopropyltoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Methylene Chloride	<1.0		2.0	1.0	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Methyl tert-Butyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Naphthalene	<0.25		5.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
n-Propylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Styrene	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,1,1,2-Tetrachloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,1,2,2-Tetrachloroethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Toluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2,3-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2,4-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,1,1-Trichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,1,2-Trichloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Trichloroethene	23		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Trichlorofluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2,3-Trichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Vinyl chloride	0.30	J	2.0	0.20	ug/L		06/07/11 04:14	06/08/11 00:57	1.0
Xylenes, Total	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/08/11 00:57	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	101		80 - 120	06/07/11 04:14	06/08/11 00:57	1.0
Toluene-d8	101		80 - 120	06/07/11 04:14	06/08/11 00:57	1.0
4-Bromofluorobenzene	95		80 - 120	06/07/11 04:14	06/08/11 00:57	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-4

Date Collected: 06/02/11 09:30

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-04

Matrix: Ground Water

Method: SW 8260B - VOCs by SW8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	25		2.0	0.50	ug/L		06/08/11 04:21	06/08/11 07:14	1.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		80 - 120				06/08/11 04:21	06/08/11 07:14	1.0
Toluene-d8	101		80 - 120				06/08/11 04:21	06/08/11 07:14	1.0
4-Bromofluorobenzene	97		80 - 120				06/08/11 04:21	06/08/11 07:14	1.0

Client Sample ID: Trip Blank

Date Collected: 06/02/11 00:00

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-05

Matrix: Ground Water

Method: SW 8260B - VOCs by SW8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Bromobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Bromochloromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Bromodichloromethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Bromoform	<0.20		5.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Bromomethane	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
n-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
sec-Butylbenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
tert-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Carbon Tetrachloride	<0.80		2.0	0.80	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Chlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Chlorodibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Chloroethane	<1.0		5.0	1.0	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Chloroform	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Chloromethane	<0.30		2.0	0.30	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
2-Chlorotoluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
4-Chlorotoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2-Dibromo-3-chloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2-Dibromoethane (EDB)	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Dibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,3-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,4-Dichlorobenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Dichlorodifluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,1-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,1-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
cis-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
trans-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,3-Dichloropropane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
2,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,1-Dichloropropene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
cis-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
trans-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Isopropyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Ethylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Hexachlorobutadiene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0

Client Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: Trip Blank

Lab Sample ID: WUF0129-05

Date Collected: 06/02/11 00:00

Matrix: Ground Water

Date Received: 06/03/11 17:15

Method: SW 8260B - VOCs by SW8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
p-Isopropyltoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Methylene Chloride	<1.0		2.0	1.0	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Methyl tert-Butyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Naphthalene	<0.25		5.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
n-Propylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Styrene	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,1,1,2-Tetrachloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,1,1,2,2-Tetrachloroethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Tetrachloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Toluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2,3-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2,4-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,1,1-Trichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,1,2-Trichloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Trichloroethene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Trichlorofluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2,3-Trichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Vinyl chloride	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:42	1.0
Xylenes, Total	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:42	1.0

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99		80 - 120	06/07/11 04:14	06/07/11 19:42	1.0
Toluene-d8	101		80 - 120	06/07/11 04:14	06/07/11 19:42	1.0
4-Bromofluorobenzene	96		80 - 120	06/07/11 04:14	06/07/11 19:42	1.0



Surrogate Summary

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B

Matrix: Ground Water

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (80-120)	TOL (80-120)	BFB (80-120)
WUF0129-01	MW-1	100	101	96
WUF0129-01 - RE1	MW-1	101	100	96
WUF0129-02	MW-2	100	101	96
WUF0129-02 - RE1	MW-2	100	100	97
WUF0129-03	MW-3	101	103	100
WUF0129-03 - RE2	MW-3	99	100	96
WUF0129-04	MW-4	101	101	95
WUF0129-04 - RE1	MW-4	100	101	97
WUF0129-05	Trip Blank	99	101	96

Surrogate Legend

DBFM = Dibromofluoromethane
 TOL = Toluene-d8
 BFB = 4-Bromofluorobenzene

Method: SW 8260B - VOCs by SW8260B

Matrix: Water - NonPotable

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (80-120)	TOL (80-120)	BFB (80-120)
11F0082-BLK1	Method Blank	100	101	97
11F0082-BS1	Lab Control Sample	103	101	102
11F0082-MS1	Matrix Spike	106	100	102
11F0082-MSD1	Matrix Spike Duplicate	107	100	102
11F0102-BLK1	Method Blank	100	101	97
11F0102-BS1	Lab Control Sample	104	101	101
11F0102-MS1	MW-1	104	100	103
11F0102-MSD1	MW-1	104	100	102
11F0126-BLK1	Method Blank	99	100	97
11F0126-BS1	Lab Control Sample	103	101	102
11F0126-MS1	Matrix Spike	103	99	102
11F0126-MSD1	Matrix Spike Duplicate	102	99	103

Surrogate Legend

DBFM = Dibromofluoromethane
 TOL = Toluene-d8
 BFB = 4-Bromofluorobenzene

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B

Lab Sample ID: 11F0082-BLK1

Matrix: Water - NonPotable

Analysis Batch: U000775

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11F0082_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Bromobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Bromochloromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Bromodichloromethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Bromoform	<0.20		5.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Bromomethane	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
n-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
sec-Butylbenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
tert-Butylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Carbon Tetrachloride	<0.80		2.0	0.80	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Chlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Chlorodibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Chloroethane	<1.0		5.0	1.0	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Chloroform	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Chloromethane	<0.30		2.0	0.30	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
2-Chlorotoluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
4-Chlorotoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,2-Dibromo-3-chloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,2-Dibromoethane (EDB)	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Dibromomethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,2-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,3-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,4-Dichlorobenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Dichlorodifluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,1-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,2-Dichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,1-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
cis-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
trans-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,3-Dichloropropane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
2,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,1-Dichloropropene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
cis-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
trans-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Isopropyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Ethylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Hexachlorobutadiene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Isopropylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
p-Isopropyltoluene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Methylene Chloride	<1.0		2.0	1.0	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Methyl tert-Butyl Ether	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Naphthalene	<0.25		5.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
n-Propylbenzene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Styrene	<0.50		5.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,1,1,2-Tetrachloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,1,1,2,2-Tetrachloroethane	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Tetrachloroethene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Toluene	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0082-BLK1
Matrix: Water - NonPotable
Analysis Batch: U000775

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F0082_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,2,4-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,1,1-Trichloroethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,1,2-Trichloroethane	<0.25		2.0	0.25	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Trichloroethene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Trichlorofluoromethane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,2,3-Trichloropropane	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Vinyl chloride	<0.20		2.0	0.20	ug/L		06/07/11 04:14	06/07/11 19:16	1.00
Xylenes, Total	<0.50		2.0	0.50	ug/L		06/07/11 04:14	06/07/11 19:16	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		80 - 120	06/07/11 04:14	06/07/11 19:16	1.00
Toluene-d8	101		80 - 120	06/07/11 04:14	06/07/11 19:16	1.00
4-Bromofluorobenzene	97		80 - 120	06/07/11 04:14	06/07/11 19:16	1.00

Lab Sample ID: 11F0082-BS1
Matrix: Water - NonPotable
Analysis Batch: U000775

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F0082_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	50.000	51.6		ug/L		103	80 - 120
Bromobenzene	50.000	52.3		ug/L		105	80 - 120
Bromochloromethane	50.000	50.8		ug/L		102	80 - 120
Bromodichloromethane	50.000	50.4		ug/L		101	80 - 120
Bromoform	50.000	45.1		ug/L		90	80 - 120
Bromomethane	50.000	58.7		ug/L		117	60 - 140
n-Butylbenzene	50.000	50.7		ug/L		101	80 - 120
sec-Butylbenzene	50.000	50.1		ug/L		100	80 - 120
tert-Butylbenzene	50.000	49.1		ug/L		98	80 - 120
Carbon Tetrachloride	50.000	48.6		ug/L		97	60 - 140
Chlorobenzene	50.000	50.1		ug/L		100	80 - 120
Chlorodibromomethane	50.000	53.2		ug/L		106	80 - 120
Chloroethane	50.000	52.8		ug/L		106	60 - 140
Chloroform	50.000	49.1		ug/L		98	80 - 120
Chloromethane	50.000	48.4		ug/L		97	60 - 140
2-Chlorotoluene	50.000	51.9		ug/L		104	80 - 120
4-Chlorotoluene	50.000	53.5		ug/L		107	80 - 120
1,2-Dibromo-3-chloropropane	50.000	50.2		ug/L		100	60 - 140
1,2-Dibromoethane (EDB)	50.000	52.0		ug/L		104	80 - 120
Dibromomethane	50.000	49.6		ug/L		99	80 - 120
1,2-Dichlorobenzene	50.000	51.3		ug/L		103	80 - 120
1,3-Dichlorobenzene	50.000	51.4		ug/L		103	80 - 120
1,4-Dichlorobenzene	50.000	49.5		ug/L		99	80 - 120
Dichlorodifluoromethane	50.000	49.3		ug/L		99	60 - 140
1,1-Dichloroethane	50.000	51.7		ug/L		103	80 - 120
1,2-Dichloroethane	50.000	53.1		ug/L		106	80 - 120
1,1-Dichloroethene	50.000	51.4		ug/L		103	80 - 120

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0082-BS1
Matrix: Water - NonPotable
Analysis Batch: U000775

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F0082_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
cis-1,2-Dichloroethene	50.000	50.4		ug/L		101	80 - 120
trans-1,2-Dichloroethene	50.000	49.2		ug/L		98	80 - 120
1,2-Dichloropropane	50.000	50.8		ug/L		102	80 - 120
1,3-Dichloropropane	50.000	52.9		ug/L		106	80 - 120
2,2-Dichloropropane	50.000	47.4		ug/L		95	60 - 140
1,1-Dichloropropene	50.000	47.5		ug/L		95	80 - 120
cis-1,3-Dichloropropene	50.000	51.9		ug/L		104	80 - 120
trans-1,3-Dichloropropene	50.000	54.0		ug/L		108	80 - 120
Isopropyl Ether	50.000	52.6		ug/L		105	80 - 120
Ethylbenzene	50.000	50.5		ug/L		101	80 - 120
Hexachlorobutadiene	50.000	43.1		ug/L		86	60 - 140
Isopropylbenzene	50.000	51.7		ug/L		103	80 - 120
p-Isopropyltoluene	50.000	54.7		ug/L		109	80 - 120
Methylene Chloride	50.000	49.3		ug/L		99	80 - 120
Methyl tert-Butyl Ether	50.000	52.2		ug/L		104	80 - 120
Naphthalene	50.000	50.7		ug/L		101	60 - 140
n-Propylbenzene	50.000	51.4		ug/L		103	80 - 120
Styrene	50.000	55.0		ug/L		110	80 - 120
1,1,1,2-Tetrachloroethane	50.000	52.9		ug/L		106	80 - 120
1,1,2,2-Tetrachloroethane	50.000	51.5		ug/L		103	80 - 120
Tetrachloroethene	50.000	47.6		ug/L		95	80 - 120
Toluene	50.000	49.6		ug/L		99	80 - 120
1,2,3-Trichlorobenzene	50.000	48.0		ug/L		96	80 - 120
1,2,4-Trichlorobenzene	50.000	48.6		ug/L		97	80 - 120
1,1,1-Trichloroethane	50.000	49.5		ug/L		99	80 - 120
1,1,2-Trichloroethane	50.000	52.5		ug/L		105	80 - 120
Trichloroethene	50.000	48.1		ug/L		96	80 - 120
Trichlorofluoromethane	50.000	52.8		ug/L		106	80 - 120
1,2,3-Trichloropropane	50.000	54.7		ug/L		109	80 - 120
1,2,4-Trimethylbenzene	50.000	54.9		ug/L		110	80 - 120
1,3,5-Trimethylbenzene	50.000	53.4		ug/L		107	80 - 120
Vinyl chloride	50.000	49.3		ug/L		99	80 - 120
Xylenes, Total	150.00	157		ug/L		105	80 - 120

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Dibromofluoromethane	103		80 - 120
Toluene-d8	101		80 - 120
4-Bromofluorobenzene	102		80 - 120

Lab Sample ID: 11F0102-BLK1
Matrix: Water - NonPotable
Analysis Batch: U000778

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F0102_P

Analyte	Blank Blank		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Bromobenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Bromochloromethane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Bromodichloromethane	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Bromoform	<0.20		5.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0102-BLK1
Matrix: Water - NonPotable
Analysis Batch: U000778

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F0102_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	<0.50		5.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
n-Butylbenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
sec-Butylbenzene	<0.25		2.0	0.25	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
tert-Butylbenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Carbon Tetrachloride	<0.80		2.0	0.80	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Chlorobenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Chlorodibromomethane	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Chloroethane	<1.0		5.0	1.0	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Chloroform	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Chloromethane	<0.30		2.0	0.30	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
2-Chlorotoluene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
4-Chlorotoluene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,2-Dibromo-3-chloropropane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,2-Dibromoethane (EDB)	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Dibromomethane	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,2-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,3-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,4-Dichlorobenzene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Dichlorodifluoromethane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,1-Dichloroethane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,2-Dichloroethane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,1-Dichloroethene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
cis-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
trans-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,3-Dichloropropane	<0.25		2.0	0.25	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
2,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,1-Dichloropropene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
cis-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
trans-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Isopropyl Ether	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Ethylbenzene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Hexachlorobutadiene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Isopropylbenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
p-Isopropyltoluene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Methylene Chloride	<1.0		2.0	1.0	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Methyl tert-Butyl Ether	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Naphthalene	<0.25		5.0	0.25	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
n-Propylbenzene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Styrene	<0.50		5.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,1,1,2-Tetrachloroethane	<0.25		2.0	0.25	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,1,1,2,2-Tetrachloroethane	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Tetrachloroethene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Toluene	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,2,3-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,2,4-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,1,1-Trichloroethane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,1,2-Trichloroethane	<0.25		2.0	0.25	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Trichloroethene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Trichlorofluoromethane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0102-BLK1
Matrix: Water - NonPotable
Analysis Batch: U000778

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F0102_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Vinyl chloride	<0.20		2.0	0.20	ug/L		06/08/11 04:01	06/08/11 06:21	1.00
Xylenes, Total	<0.50		2.0	0.50	ug/L		06/08/11 04:01	06/08/11 06:21	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	100		80 - 120	06/08/11 04:01	06/08/11 06:21	1.00
Toluene-d8	101		80 - 120	06/08/11 04:01	06/08/11 06:21	1.00
4-Bromofluorobenzene	97		80 - 120	06/08/11 04:01	06/08/11 06:21	1.00

Lab Sample ID: 11F0102-BS1
Matrix: Water - NonPotable
Analysis Batch: U000778

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F0102_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	Limits
Benzene	50.000	48.5		ug/L		97	80 - 120
Bromobenzene	50.000	48.6		ug/L		97	80 - 120
Bromochloromethane	50.000	47.9		ug/L		96	80 - 120
Bromodichloromethane	50.000	48.2		ug/L		96	80 - 120
Bromoform	50.000	45.2		ug/L		90	80 - 120
Bromomethane	50.000	44.7		ug/L		89	60 - 140
n-Butylbenzene	50.000	48.9		ug/L		98	80 - 120
sec-Butylbenzene	50.000	48.1		ug/L		96	80 - 120
tert-Butylbenzene	50.000	47.1		ug/L		94	80 - 120
Carbon Tetrachloride	50.000	48.5		ug/L		97	60 - 140
Chlorobenzene	50.000	47.5		ug/L		95	80 - 120
Chlorodibromomethane	50.000	51.2		ug/L		102	80 - 120
Chloroethane	50.000	50.6		ug/L		101	60 - 140
Chloroform	50.000	47.3		ug/L		95	80 - 120
Chloromethane	50.000	44.6		ug/L		89	60 - 140
2-Chlorotoluene	50.000	49.2		ug/L		98	80 - 120
4-Chlorotoluene	50.000	50.3		ug/L		101	80 - 120
1,2-Dibromo-3-chloropropane	50.000	45.6		ug/L		91	60 - 140
1,2-Dibromoethane (EDB)	50.000	46.0		ug/L		92	80 - 120
Dibromomethane	50.000	46.0		ug/L		92	80 - 120
1,2-Dichlorobenzene	50.000	47.2		ug/L		94	80 - 120
1,3-Dichlorobenzene	50.000	48.7		ug/L		97	80 - 120
1,4-Dichlorobenzene	50.000	46.7		ug/L		93	80 - 120
Dichlorodifluoromethane	50.000	49.5		ug/L		99	60 - 140
1,1-Dichloroethane	50.000	48.9		ug/L		98	80 - 120
1,2-Dichloroethane	50.000	50.0		ug/L		100	80 - 120
1,1-Dichloroethene	50.000	53.2		ug/L		106	80 - 120
cis-1,2-Dichloroethene	50.000	47.8		ug/L		96	80 - 120
trans-1,2-Dichloroethene	50.000	47.6		ug/L		95	80 - 120
1,2-Dichloropropane	50.000	47.6		ug/L		95	80 - 120
1,3-Dichloropropane	50.000	48.1		ug/L		96	80 - 120
2,2-Dichloropropane	50.000	48.8		ug/L		98	60 - 140
1,1-Dichloropropene	50.000	47.1		ug/L		94	80 - 120

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0102-BS1
Matrix: Water - NonPotable
Analysis Batch: U000778

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11F0102_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
cis-1,3-Dichloropropene	50.000	48.6		ug/L		97	80 - 120
trans-1,3-Dichloropropene	50.000	49.9		ug/L		100	80 - 120
Isopropyl Ether	50.000	49.1		ug/L		98	80 - 120
Ethylbenzene	50.000	48.4		ug/L		97	80 - 120
Hexachlorobutadiene	50.000	41.7		ug/L		83	60 - 140
Isopropylbenzene	50.000	49.4		ug/L		99	80 - 120
p-Isopropyltoluene	50.000	52.2		ug/L		104	80 - 120
Methylene Chloride	50.000	47.0		ug/L		94	80 - 120
Methyl tert-Butyl Ether	50.000	48.4		ug/L		97	80 - 120
Naphthalene	50.000	47.4		ug/L		95	60 - 140
n-Propylbenzene	50.000	49.6		ug/L		99	80 - 120
Styrene	50.000	51.8		ug/L		104	80 - 120
1,1,1,2-Tetrachloroethane	50.000	49.7		ug/L		99	80 - 120
1,1,2,2-Tetrachloroethane	50.000	48.2		ug/L		96	80 - 120
Tetrachloroethene	50.000	45.2		ug/L		90	80 - 120
Toluene	50.000	47.4		ug/L		95	80 - 120
1,2,3-Trichlorobenzene	50.000	45.2		ug/L		90	80 - 120
1,2,4-Trichlorobenzene	50.000	46.0		ug/L		92	80 - 120
1,1,1-Trichloroethane	50.000	48.0		ug/L		96	80 - 120
1,1,2-Trichloroethane	50.000	48.5		ug/L		97	80 - 120
Trichloroethene	50.000	46.6		ug/L		93	80 - 120
Trichlorofluoromethane	50.000	55.2		ug/L		110	80 - 120
1,2,3-Trichloropropane	50.000	50.9		ug/L		102	80 - 120
1,2,4-Trimethylbenzene	50.000	51.3		ug/L		103	80 - 120
1,3,5-Trimethylbenzene	50.000	50.5		ug/L		101	80 - 120
Vinyl chloride	50.000	49.3		ug/L		99	80 - 120
Xylenes, Total	150.00	150		ug/L		100	80 - 120

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Dibromofluoromethane	104		80 - 120
Toluene-d8	101		80 - 120
4-Bromofluorobenzene	101		80 - 120

Lab Sample ID: 11F0102-MS1
Matrix: Water - NonPotable
Analysis Batch: U000778

Client Sample ID: MW-1
Prep Type: Total
Prep Batch: 11F0102_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	ND		400.00	440		ug/L		110	80 - 120
Bromobenzene	ND		400.00	425		ug/L		106	80 - 120
Bromochloromethane	ND		400.00	413		ug/L		103	80 - 120
Bromodichloromethane	ND		400.00	402		ug/L		100	80 - 120
Bromoform	ND		400.00	333		ug/L		83	80 - 120
Bromomethane	ND		400.00	542		ug/L		136	60 - 140
n-Butylbenzene	ND		400.00	458		ug/L		114	80 - 120
sec-Butylbenzene	ND		400.00	449		ug/L		112	80 - 120
tert-Butylbenzene	ND		400.00	430		ug/L		108	80 - 120
Carbon Tetrachloride	ND		400.00	445		ug/L		111	60 - 140
Chlorobenzene	ND		400.00	415		ug/L		104	80 - 120

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0102-MS1

Matrix: Water - NonPotable

Analysis Batch: U000778

Client Sample ID: MW-1

Prep Type: Total

Prep Batch: 11F0102_P

Analyte	Sample	Sample Qualifier	Spike Added	Matrix Spike		Unit	D	% Rec	% Rec. Limits
	Result			Result	Qualifier				
Chlorodibromomethane	ND		400.00	404		ug/L		101	80 - 120
Chloroethane	ND		400.00	471		ug/L		118	60 - 140
Chloroform	ND		400.00	408		ug/L		102	80 - 120
Chloromethane	ND		400.00	432		ug/L		108	60 - 140
2-Chlorotoluene	ND		400.00	443		ug/L		111	80 - 120
4-Chlorotoluene	ND		400.00	455		ug/L		114	80 - 120
1,2-Dibromo-3-chloropropane	ND		400.00	368		ug/L		92	60 - 140
1,2-Dibromoethane (EDB)	ND		400.00	411		ug/L		103	80 - 120
Dibromomethane	ND		400.00	399		ug/L		100	80 - 120
1,2-Dichlorobenzene	ND		400.00	418		ug/L		105	80 - 120
1,3-Dichlorobenzene	ND		400.00	424		ug/L		106	80 - 120
1,4-Dichlorobenzene	ND		400.00	407		ug/L		102	80 - 120
Dichlorodifluoromethane	ND		400.00	476		ug/L		119	60 - 140
1,1-Dichloroethane	ND		400.00	442		ug/L		111	80 - 120
1,2-Dichloroethane	ND		400.00	427		ug/L		107	80 - 120
1,1-Dichloroethene	ND		400.00	475		ug/L		119	80 - 120
cis-1,2-Dichloroethene	220		400.00	685		ug/L		116	80 - 120
trans-1,2-Dichloroethene	ND		400.00	437		ug/L		109	80 - 120
1,2-Dichloropropane	ND		400.00	421		ug/L		105	80 - 120
1,3-Dichloropropane	ND		400.00	426		ug/L		106	80 - 120
2,2-Dichloropropane	ND		400.00	455		ug/L		114	60 - 140
1,1-Dichloropropene	ND		400.00	438		ug/L		109	80 - 120
cis-1,3-Dichloropropene	ND		400.00	429		ug/L		107	80 - 120
trans-1,3-Dichloropropene	ND		400.00	440		ug/L		110	80 - 120
Isopropyl Ether	ND		400.00	431		ug/L		108	80 - 120
Ethylbenzene	ND		400.00	437		ug/L		109	80 - 120
Hexachlorobutadiene	ND		400.00	371		ug/L		93	60 - 140
Isopropylbenzene	ND		400.00	455		ug/L		114	80 - 120
p-Isopropyltoluene	ND		400.00	488		ug/L		122	80 - 120
Methylene Chloride	ND		400.00	402		ug/L		101	80 - 120
Methyl tert-Butyl Ether	ND		400.00	414		ug/L		104	80 - 120
Naphthalene	ND		400.00	380		ug/L		95	60 - 140
n-Propylbenzene	ND		400.00	458		ug/L		114	80 - 120
Styrene	ND		400.00	460		ug/L		115	80 - 120
1,1,1,2-Tetrachloroethane	ND		400.00	430		ug/L		107	80 - 120
1,1,1,2,2-Tetrachloroethane	ND		400.00	406		ug/L		101	80 - 120
Tetrachloroethene	270		400.00	764		ug/L		123	80 - 120
Toluene	ND		400.00	422		ug/L		105	80 - 120
1,2,3-Trichlorobenzene	ND		400.00	366		ug/L		92	80 - 120
1,2,4-Trichlorobenzene	ND		400.00	376		ug/L		94	80 - 120
1,1,1-Trichloroethane	ND		400.00	450		ug/L		112	80 - 120
1,1,2-Trichloroethane	ND		400.00	429		ug/L		107	80 - 120
Trichloroethene	15.8		400.00	443		ug/L		107	80 - 120
Trichlorofluoromethane	ND		400.00	502		ug/L		125	80 - 120
1,2,3-Trichloropropane	ND		400.00	433		ug/L		108	80 - 120
1,2,4-Trimethylbenzene	ND		400.00	473		ug/L		118	80 - 120
1,3,5-Trimethylbenzene	ND		400.00	468		ug/L		117	80 - 120
Vinyl chloride	2.88		400.00	452		ug/L		112	80 - 120
Xylenes, Total	ND		1200.0	1350		ug/L		112	80 - 120

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0102-MS1
Matrix: Water - NonPotable
Analysis Batch: U000778

Client Sample ID: MW-1
Prep Type: Total
Prep Batch: 11F0102_P

Surrogate	Matrix Spike	Matrix Spike	Limits
	% Recovery	Qualifier	
Dibromofluoromethane	104		80 - 120
Toluene-d8	100		80 - 120
4-Bromofluorobenzene	103		80 - 120

Lab Sample ID: 11F0102-MSD1
Matrix: Water - NonPotable
Analysis Batch: U000778

Client Sample ID: MW-1
Prep Type: Total
Prep Batch: 11F0102_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	% Rec	% Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier					
Benzene	ND		400.00	442			110	80 - 120	0.4	20
Bromobenzene	ND		400.00	422			106	80 - 120	0.6	24
Bromochloromethane	ND		400.00	409			102	80 - 120	0.9	14
Bromodichloromethane	ND		400.00	429			107	80 - 120	7	19
Bromoform	ND		400.00	428			107	80 - 120	25	26
Bromomethane	ND		400.00	496			124	60 - 140	9	18
n-Butylbenzene	ND		400.00	466			117	80 - 120	2	19
sec-Butylbenzene	ND		400.00	454			113	80 - 120	1	19
tert-Butylbenzene	ND		400.00	440			110	80 - 120	2	17
Carbon Tetrachloride	ND		400.00	447			112	60 - 140	0.5	17
Chlorobenzene	ND		400.00	415			104	80 - 120	0.2	16
Chlorodibromomethane	ND		400.00	472			118	80 - 120	16	23
Chloroethane	ND		400.00	448			112	60 - 140	5	17
Chloroform	ND		400.00	411			103	80 - 120	0.7	14
Chloromethane	ND		400.00	412			103	60 - 140	5	16
2-Chlorotoluene	ND		400.00	435			109	80 - 120	2	26
4-Chlorotoluene	ND		400.00	449			112	80 - 120	1	26
1,2-Dibromo-3-chloropropane	ND		400.00	392			98	60 - 140	6	26
1,2-Dibromoethane (EDB)	ND		400.00	418			105	80 - 120	2	19
Dibromomethane	ND		400.00	398			99	80 - 120	0.2	26
1,2-Dichlorobenzene	ND		400.00	421			105	80 - 120	0.7	23
1,3-Dichlorobenzene	ND		400.00	425			106	80 - 120	0.4	21
1,4-Dichlorobenzene	ND		400.00	408			102	80 - 120	0.3	21
Dichlorodifluoromethane	ND		400.00	457			114	60 - 140	4	19
1,1-Dichloroethane	ND		400.00	448			112	80 - 120	1	18
1,2-Dichloroethane	ND		400.00	432			108	80 - 120	1	19
1,1-Dichloroethene	ND		400.00	455			114	80 - 120	4	18
cis-1,2-Dichloroethene	220		400.00	697			119	80 - 120	2	17
trans-1,2-Dichloroethene	ND		400.00	444			111	80 - 120	2	23
1,2-Dichloropropane	ND		400.00	430			108	80 - 120	2	18
1,3-Dichloropropane	ND		400.00	421			105	80 - 120	1	24
2,2-Dichloropropane	ND		400.00	456			114	60 - 140	0.2	16
1,1-Dichloropropene	ND		400.00	438			110	80 - 120	0.2	16
cis-1,3-Dichloropropene	ND		400.00	436			109	80 - 120	2	20
trans-1,3-Dichloropropene	ND		400.00	440			110	80 - 120	0.2	26
Isopropyl Ether	ND		400.00	441			110	80 - 120	2	20
Ethylbenzene	ND		400.00	434			108	80 - 120	0.8	16
Hexachlorobutadiene	ND		400.00	415			104	60 - 140	11	20
Isopropylbenzene	ND		400.00	450			112	80 - 120	1	22
p-Isopropyltoluene	ND		400.00	475			119	80 - 120	3	20

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0102-MSD1

Matrix: Water - NonPotable

Analysis Batch: U000778

Client Sample ID: MW-1

Prep Type: Total

Prep Batch: 11F0102_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	D	% Rec	% Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Methylene Chloride	ND		400.00	403			101	80 - 120	0.2	24	
Methyl tert-Butyl Ether	ND		400.00	421			105	80 - 120	1	18	
Naphthalene	ND		400.00	404			101	60 - 140	6	24	
n-Propylbenzene	ND		400.00	453			113	80 - 120	1	23	
Styrene	ND		400.00	460			115	80 - 120	0.03	14	
1,1,1,2-Tetrachloroethane	ND		400.00	430			108	80 - 120	0.09	17	
1,1,2,2-Tetrachloroethane	ND		400.00	413			103	80 - 120	2	26	
Tetrachloroethene	270		400.00	768			124	80 - 120	0.5	18	
Toluene	ND		400.00	421			105	80 - 120	0.2	18	
1,2,3-Trichlorobenzene	ND		400.00	392			98	80 - 120	7	24	
1,2,4-Trichlorobenzene	ND		400.00	407			102	80 - 120	8	21	
1,1,1-Trichloroethane	ND		400.00	441			110	80 - 120	2	19	
1,1,2-Trichloroethane	ND		400.00	425			106	80 - 120	1	28	
Trichloroethene	15.8		400.00	446			108	80 - 120	0.7	18	
Trichlorofluoromethane	ND		400.00	472			118	80 - 120	6	19	
1,2,3-Trichloropropane	ND		400.00	428			107	80 - 120	1	26	
1,2,4-Trimethylbenzene	ND		400.00	462			116	80 - 120	2	24	
1,3,5-Trimethylbenzene	ND		400.00	460			115	80 - 120	2	24	
Vinyl chloride	2.88		400.00	450			112	80 - 120	0.4	17	
Xylenes, Total	ND		1200.0	1340			112	80 - 120	0.5	13	

Surrogate	Matrix Spike Dup % Recovery	Matrix Spike Dup Qualifier	Limits
Dibromofluoromethane	104		80 - 120
Toluene-d8	100		80 - 120
4-Bromofluorobenzene	102		80 - 120

Lab Sample ID: 11F0126-BLK1

Matrix: Water - NonPotable

Analysis Batch: U000787

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11F0126_P

Analyte	Blank	Blank	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Bromobenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Bromochloromethane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Bromodichloromethane	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Bromoform	<0.20		5.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Bromomethane	<0.50		5.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
n-Butylbenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
sec-Butylbenzene	<0.25		2.0	0.25	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
tert-Butylbenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Carbon Tetrachloride	<0.80		2.0	0.80	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Chlorobenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Chlorodibromomethane	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Chloroethane	<1.0		5.0	1.0	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Chloroform	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Chloromethane	<0.30		2.0	0.30	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
2-Chlorotoluene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
4-Chlorotoluene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,2-Dibromo-3-chloropropane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00

TestAmerica Watertown

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0126-BLK1
Matrix: Water - NonPotable
Analysis Batch: U000787

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11F0126_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane (EDB)	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Dibromomethane	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,2-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,3-Dichlorobenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,4-Dichlorobenzene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Dichlorodifluoromethane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,1-Dichloroethane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,2-Dichloroethane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,1-Dichloroethene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
cis-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
trans-1,2-Dichloroethene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,3-Dichloropropane	<0.25		2.0	0.25	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
2,2-Dichloropropane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,1-Dichloropropene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
cis-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
trans-1,3-Dichloropropene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Isopropyl Ether	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Ethylbenzene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Hexachlorobutadiene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Isopropylbenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
p-Isopropyltoluene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Methylene Chloride	<1.0		2.0	1.0	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Methyl tert-Butyl Ether	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Naphthalene	<0.25		5.0	0.25	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
n-Propylbenzene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Styrene	<0.50		5.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,1,1,2-Tetrachloroethane	<0.25		2.0	0.25	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,1,2,2-Tetrachloroethane	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Tetrachloroethene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Toluene	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,2,3-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,2,4-Trichlorobenzene	<0.25		2.0	0.25	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,1,1-Trichloroethane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,1,2-Trichloroethane	<0.25		2.0	0.25	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Trichloroethene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Trichlorofluoromethane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,2,3-Trichloropropane	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,2,4-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
1,3,5-Trimethylbenzene	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Vinyl chloride	<0.20		2.0	0.20	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Xylenes, Total	<0.50		2.0	0.50	ug/L		06/09/11 03:21	06/09/11 09:59	1.00
Surrogate	Blank % Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane	99		80 - 120				06/09/11 03:21	06/09/11 09:59	1.00
Toluene-d8	100		80 - 120				06/09/11 03:21	06/09/11 09:59	1.00
4-Bromofluorobenzene	97		80 - 120				06/09/11 03:21	06/09/11 09:59	1.00

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0126-BS1

Matrix: Water - NonPotable

Analysis Batch: U000787

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11F0126_P

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Benzene	50.000	50.7		ug/L		101	80 - 120
Bromobenzene	50.000	50.7		ug/L		101	80 - 120
Bromochloromethane	50.000	49.1		ug/L		98	80 - 120
Bromodichloromethane	50.000	49.6		ug/L		99	80 - 120
Bromoform	50.000	42.4		ug/L		85	80 - 120
Bromomethane	50.000	43.5		ug/L		87	60 - 140
n-Butylbenzene	50.000	49.5		ug/L		99	80 - 120
sec-Butylbenzene	50.000	48.8		ug/L		98	80 - 120
tert-Butylbenzene	50.000	48.0		ug/L		96	80 - 120
Carbon Tetrachloride	50.000	48.6		ug/L		97	60 - 140
Chlorobenzene	50.000	49.2		ug/L		98	80 - 120
Chlorodibromomethane	50.000	50.0		ug/L		100	80 - 120
Chloroethane	50.000	53.7		ug/L		107	60 - 140
Chloroform	50.000	48.7		ug/L		97	80 - 120
Chloromethane	50.000	46.6		ug/L		93	60 - 140
2-Chlorotoluene	50.000	51.3		ug/L		103	80 - 120
4-Chlorotoluene	50.000	51.9		ug/L		104	80 - 120
1,2-Dibromo-3-chloropropane	50.000	47.0		ug/L		94	60 - 140
1,2-Dibromoethane (EDB)	50.000	48.4		ug/L		97	80 - 120
Dibromomethane	50.000	47.8		ug/L		96	80 - 120
1,2-Dichlorobenzene	50.000	48.6		ug/L		97	80 - 120
1,3-Dichlorobenzene	50.000	49.2		ug/L		98	80 - 120
1,4-Dichlorobenzene	50.000	47.0		ug/L		94	80 - 120
Dichlorodifluoromethane	50.000	50.7		ug/L		101	60 - 140
1,1-Dichloroethane	50.000	50.8		ug/L		102	80 - 120
1,2-Dichloroethane	50.000	51.6		ug/L		103	80 - 120
1,1-Dichloroethene	50.000	53.2		ug/L		106	80 - 120
cis-1,2-Dichloroethene	50.000	49.9		ug/L		100	80 - 120
trans-1,2-Dichloroethene	50.000	49.5		ug/L		99	80 - 120
1,2-Dichloropropane	50.000	49.7		ug/L		99	80 - 120
1,3-Dichloropropane	50.000	50.1		ug/L		100	80 - 120
2,2-Dichloropropane	50.000	47.0		ug/L		94	60 - 140
1,1-Dichloropropene	50.000	48.1		ug/L		96	80 - 120
cis-1,3-Dichloropropene	50.000	49.6		ug/L		99	80 - 120
trans-1,3-Dichloropropene	50.000	50.9		ug/L		102	80 - 120
Isopropyl Ether	50.000	51.4		ug/L		103	80 - 120
Ethylbenzene	50.000	50.1		ug/L		100	80 - 120
Hexachlorobutadiene	50.000	42.0		ug/L		84	60 - 140
Isopropylbenzene	50.000	51.5		ug/L		103	80 - 120
p-Isopropyltoluene	50.000	54.1		ug/L		108	80 - 120
Methylene Chloride	50.000	49.2		ug/L		98	80 - 120
Methyl tert-Butyl Ether	50.000	49.5		ug/L		99	80 - 120
Naphthalene	50.000	47.6		ug/L		95	60 - 140
n-Propylbenzene	50.000	51.2		ug/L		102	80 - 120
Styrene	50.000	53.9		ug/L		108	80 - 120
1,1,1,2-Tetrachloroethane	50.000	51.3		ug/L		103	80 - 120
1,1,2,2-Tetrachloroethane	50.000	49.5		ug/L		99	80 - 120
Tetrachloroethene	50.000	46.5		ug/L		93	80 - 120
Toluene	50.000	49.6		ug/L		99	80 - 120

QC Sample Results

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method: SW 8260B - VOCs by SW8260B (Continued)

Lab Sample ID: 11F0126-BS1

Matrix: Water - NonPotable

Analysis Batch: U000787

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11F0126_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
1,2,3-Trichlorobenzene	50.000	44.9		ug/L		90	80 - 120
1,2,4-Trichlorobenzene	50.000	45.6		ug/L		91	80 - 120
1,1,1-Trichloroethane	50.000	49.5		ug/L		99	80 - 120
1,1,2-Trichloroethane	50.000	50.1		ug/L		100	80 - 120
Trichloroethene	50.000	48.6		ug/L		97	80 - 120
Trichlorofluoromethane	50.000	55.4		ug/L		111	80 - 120
1,2,3-Trichloropropane	50.000	52.6		ug/L		105	80 - 120
1,2,4-Trimethylbenzene	50.000	53.5		ug/L		107	80 - 120
1,3,5-Trimethylbenzene	50.000	52.5		ug/L		105	80 - 120
Vinyl chloride	50.000	48.5		ug/L		97	80 - 120
Xylenes, Total	150.00	155		ug/L		103	80 - 120

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Dibromofluoromethane	103		80 - 120
Toluene-d8	101		80 - 120
4-Bromofluorobenzene	102		80 - 120

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QC Association Summary

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

GCMS Volatiles

Analysis Batch: U000775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F0082-BS1	Lab Control Sample	Total	Water - NonPotable	SW 8260B	11F0082_P
11F0082-BLK1	Method Blank	Total	Water - NonPotable	SW 8260B	11F0082_P
WUF0129-05	Trip Blank	Total	Ground Water	SW 8260B	11F0082_P
WUF0129-01	MW-1	Total	Ground Water	SW 8260B	11F0082_P
WUF0129-02	MW-2	Total	Ground Water	SW 8260B	11F0082_P
WUF0129-03	MW-3	Total	Ground Water	SW 8260B	11F0082_P
WUF0129-04	MW-4	Total	Ground Water	SW 8260B	11F0082_P

Analysis Batch: U000778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F0102-BS1	Lab Control Sample	Total	Water - NonPotable	SW 8260B	11F0102_P
11F0102-MS1	MW-1	Total	Water - NonPotable	SW 8260B	11F0102_P
11F0102-MSD1	MW-1	Total	Water - NonPotable	SW 8260B	11F0102_P
11F0102-BLK1	Method Blank	Total	Water - NonPotable	SW 8260B	11F0102_P
WUF0129-04 - RE1	MW-4	Total	Ground Water	SW 8260B	11F0102_P
WUF0129-02 - RE1	MW-2	Total	Ground Water	SW 8260B	11F0102_P
WUF0129-01 - RE1	MW-1	Total	Ground Water	SW 8260B	11F0102_P

Analysis Batch: U000787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F0126-BS1	Lab Control Sample	Total	Water - NonPotable	SW 8260B	11F0126_P
11F0126-BLK1	Method Blank	Total	Water - NonPotable	SW 8260B	11F0126_P
WUF0129-03 - RE2	MW-3	Total	Ground Water	SW 8260B	11F0126_P

Prep Batch: 11F0082_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F0082-BS1	Lab Control Sample	Total	Water - NonPotable	Default Prep VOC	
11F0082-BLK1	Method Blank	Total	Water - NonPotable	Default Prep VOC	
WUF0129-05	Trip Blank	Total	Ground Water	Default Prep VOC	
WUF0129-01	MW-1	Total	Ground Water	Default Prep VOC	
WUF0129-02	MW-2	Total	Ground Water	Default Prep VOC	
WUF0129-03	MW-3	Total	Ground Water	Default Prep VOC	
WUF0129-04	MW-4	Total	Ground Water	Default Prep VOC	

Prep Batch: 11F0102_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F0102-BS1	Lab Control Sample	Total	Water - NonPotable	Default Prep VOC	
11F0102-MS1	MW-1	Total	Water - NonPotable	Default Prep VOC	
11F0102-MSD1	MW-1	Total	Water - NonPotable	Default Prep VOC	
11F0102-BLK1	Method Blank	Total	Water - NonPotable	Default Prep VOC	
WUF0129-04 - RE1	MW-4	Total	Ground Water	Default Prep VOC	



QC Association Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

GCMS Volatiles (Continued)

Prep Batch: 11F0102_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
WUF0129-02 - RE1	MW-2	Total	Ground Water	Default Prep VOC	
WUF0129-01 - RE1	MW-1	Total	Ground Water	Default Prep VOC	

Prep Batch: 11F0126_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11F0126-BS1	Lab Control Sample	Total	Water - NonPotable	Default Prep VOC	
11F0126-BLK1	Method Blank	Total	Water - NonPotable	Default Prep VOC	
WUF0129-03 - RE2	MW-3	Total	Ground Water	Default Prep VOC	

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Lab Chronicle

Client: GILES ENGINEERING - WISCONSIN
 Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Client Sample ID: MW-1

Date Collected: 06/02/11 09:00

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-01

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	Default Prep VOC		1.0	11F0082_P	06/07/11 04:14	MAE	TAL WT
Total	Analysis	SW 8260B		1.0	U000775	06/07/11 23:38	MAE	TAL WT
Total	Prep	Default Prep VOC	RE1	1.0	11F0102_P	06/08/11 04:21	MAE	TAL WT
Total	Analysis	SW 8260B	RE1	8.0	U000778	06/08/11 10:17	MAE	TAL WT

Client Sample ID: MW-2

Date Collected: 06/02/11 08:00

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-02

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	Default Prep VOC		1.0	11F0082_P	06/07/11 04:14	MAE	TAL WT
Total	Analysis	SW 8260B		1.0	U000775	06/08/11 00:04	MAE	TAL WT
Total	Prep	Default Prep VOC	RE1	1.0	11F0102_P	06/08/11 04:21	MAE	TAL WT
Total	Analysis	SW 8260B	RE1	1.0	U000778	06/08/11 07:40	MAE	TAL WT

Client Sample ID: MW-3

Date Collected: 06/02/11 08:30

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-03

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	Default Prep VOC		1.0	11F0082_P	06/07/11 04:14	MAE	TAL WT
Total	Analysis	SW 8260B		1.0	U000775	06/08/11 00:31	MAE	TAL WT
Total	Prep	Default Prep VOC	RE2	1.0	11F0126_P	06/09/11 03:21	MAE	TAL WT
Total	Analysis	SW 8260B	RE2	200	U000787	06/09/11 13:55	MAE	TAL WT

Client Sample ID: MW-4

Date Collected: 06/02/11 09:30

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-04

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	Default Prep VOC		1.0	11F0082_P	06/07/11 04:14	MAE	TAL WT
Total	Analysis	SW 8260B		1.0	U000775	06/08/11 00:57	MAE	TAL WT
Total	Prep	Default Prep VOC	RE1	1.0	11F0102_P	06/08/11 04:21	MAE	TAL WT
Total	Analysis	SW 8260B	RE1	1.0	U000778	06/08/11 07:14	MAE	TAL WT

Client Sample ID: Trip Blank

Date Collected: 06/02/11 00:00

Date Received: 06/03/11 17:15

Lab Sample ID: WUF0129-05

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	Default Prep VOC		1.0	11F0082_P	06/07/11 04:14	MAE	TAL WT
Total	Analysis	SW 8260B		1.0	U000775	06/07/11 19:42	MAE	TAL WT

Laboratory References:

TAL WT = TestAmerica Watertown, 1101 Industrial Drive, Suites 9 & 10, Watertown, WI 53094, TEL 800-833-7036

Certification Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Watertown		WI Dept of Agriculture (Micro)		105-266
TestAmerica Watertown	Illinois	NELAC	5	100453
TestAmerica Watertown	Iowa	State Program	7	294
TestAmerica Watertown	Minnesota	NELAC	5	055-999-366
TestAmerica Watertown	Wisconsin	State Program	5	128053530

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Method Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Method	Method Description	Protocol	Laboratory
SW 8260B	VOCs by SW8260B		TAL WT

Protocol References:

Laboratory References:

TAL WT = TestAmerica Watertown, 1101 Industrial Drive, Suites 9 & 10, Watertown, WI 53094, TEL 800-833-7036

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Sample Summary

Client: GILES ENGINEERING - WISCONSIN
Project/Site: 1631 Brookfield Ave.

TestAmerica Job ID: WUF0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
WUF0129-01	MW-1	Ground Water	06/02/11 09:00	06/03/11 17:15
WUF0129-02	MW-2	Ground Water	06/02/11 08:00	06/03/11 17:15
WUF0129-03	MW-3	Ground Water	06/02/11 08:30	06/03/11 17:15
WUF0129-04	MW-4	Ground Water	06/02/11 09:30	06/03/11 17:15
WUF0129-05	Trip Blank	Ground Water	06/02/11 00:00	06/03/11 17:15

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WUF 0129

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY

Site Smoke-Out Cleaners

- NB W22350 Johnson Road Suite A1, Waukesha, WI 53186
- 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807
- 8300 Guilford Road, Suite F1, Columbia, MD 21046
- 10722 North Stemmons Freeway, Dallas, TX 75220
- 2830 Agriculture Drive, Madison, WI 53718
- 3990 Flowers Road, Suite 530, Atlanta, GA, 30360

tel: 414-544-0118
tel: 714-779-0052
tel: 410-312-9950
tel: 214-358-5885
tel: 608-223-1853
tel: 770-458-3399

fax: 414-549-5968
fax: 714-779-0068
fax: 410-312-9955
fax: 214-358-5884
fax: 608-223-1854
fax: 770-458-3998

- closure sample
- confirmation required (NR720)
- RUSH

Address 1631 Brookfield Ave.
Green Bay, Wisconsin

POSSIBLE HAZARDS: _____

Sample Collector <u>Ereg Roanhouse</u>	Project Manager <u>Tim Taugher</u>	Project Number <u>IE-1105023</u>
Laboratory Used <u>Test America</u>	Lab Contact <u>Dan M.</u>	Lab Job Number _____

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen						Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp.	
					GRO	DRO	VOC	PVOC	ETEX							
MW-1		W	6/2/11	9:00 PM			X					3D	HCl	STD		
MW-2		W	6/2/11	8:00 PM			X					3D	HCl	STD		
MW-3		W	6/2/11	8:30 PM			X					3D	HCl	STD		
MW-4		W	6/2/11	9:30 PM			X					3D	HCl	STD		
Trip Blank		W	6/2/11	AM			X					1D	HCl	STD		
				PM												
				AM												
				PM												
				AM												
				PM												
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container code:

- A = 8 oz/250 ml
- B = 4 oz/120 ml

- C = 2 oz/ 60 ml
- D = 40 mL VOA vial HCl

- E = 1 L Amber
- F = 250 mL plastic

- G = poly bag
- H = _____

- I = _____
- J = _____

Relinquished By	Date	Time	Received By
	6/3/11	9:30 PM	
	6/3/11	1:50 PM	

INVOICE TO: Send copy to Project Manager

Giles Engineering Associates, Inc.

REPORT TO: same PM

Giles Engineering Associates, Inc.

Page 1
of 1

Attn: Tim Taugher



Cooler Receipt Log

Work Order(s): WUFA29 Client Name/Project: Giles # of Coolers: 1

1. How did samples arrive? Dunham Fed-Ex UPS TestAmerica Client USPS Speedy _____

Date/time cooler was opened: 6-3-11 By: Adam S TEMP. 2°

2. Were custody seals intact, signed and dated correctly?..... Intact Broken NA
3. TAT (Turn Around Time) SUBCONTRACTED HOLD STANDARD RUSH
4. Were samples on ice?..... Yes No Water Ice & Water
5. Bottles supplied by Test America? Yes No
6. Number of containers are noted on COC (Chain of Custody) ?..... Yes No
7. Matrix is identified on COC ? Yes No
8. Did all sample containers arrive in good condition?..... OK Broken Frozen Slushy
- BOD Bacteria _____
9. Are there any short hold time tests? (48hrs or less)..... No Yes
- Past Hold?..... No Yes

24 hours or less	48 hours	7 days
Coliform Bacteria	BOD	Aqueous Organic Prep
Fecal (orange)	CBOD	BNA 8270 DRO (HCL amber)
Total Bacteria (blue)	Nitrite NO2	Herbs PAH (NT amber)
MPN Bacteria (black)	Nitrate NO3	PCBs Pest/PCBs
SPC (Standard Plate Count - yellow)	OrthoPhosphate or	PNA
HPC (Hydrophilic Plate Count - yellow)	OrthoPhosphorus	TS (Total Solids) TDS
T. Residual Chlorine (NT bottle)	Surfactants (MBAS)	TSS (Total Suspended Solids)
CR3 or CR6 (Hex Chromium VI - NT bottle)	Sulfite	Sulfide
Dissolved Oxygen (DO)	Turbidity	Volatile Solids

10. Ops Mgr, PM or Analyst informed of short hold?.....Who _____ When _____
11. Other than short hold test , were any samples within 2 days of their hold date No Yes
- Or past their expiration of hold time No Yes
12. Is the date and time of collection recorded on COC? Date:..... Yes No on the containers Yes No
- Time..... Yes No on the containers Yes No
13. Are dissolved parameters field filtered or being filtered in the lab?..... Field Lab NA
14. Are sample volumes adequate and preservatives correct for test requested? Vol. Yes No
- Preservatives..... Yes No
15. Were correct containers used for the analysis requested?..... Yes No
16. Do VOC samples have air bubbles >6mm?..... No Yes NA
17. Is an aqueous Trip Blank included?..... Yes No NA
18. If received, how were DRO soil samples received?..... Weighed glass jar Packed jar
19. Is a Methanol Trip Blank included?..... Yes glass jar vial No NA
20. How were VOC soils received? Methanol Sodium Bisulfate Packed Jar Encore Other Water (see options*)
- * Within 48hrs of sampling Past 48hrs of sampling Frozen Not Frozen
21. Were all sample containers received and match the Sample IDs listed on COC?..... Yes No

If any changes are made to this Work Order after Login, or if comments must be made regarding this cooler, explain them below:

all field sample labels state 5/31/11, COC says 6/2/11

April 04, 2016

Steve Owens
Giles Engineering Associates, Inc.
N8 W22350 Johnson Road
Waukesha, WI 53186

RE: Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130055

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on March 31, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40130055001	MW-1	Water	03/31/16 12:30	03/31/16 15:25
40130055002	MW-2	Water	03/31/16 13:25	03/31/16 15:25
40130055003	MW-3	Water	03/31/16 13:00	03/31/16 15:25
40130055004	MW-4	Water	03/31/16 11:35	03/31/16 15:25
40130055005	MW-5	Water	03/31/16 10:40	03/31/16 15:25
40130055006	MW-6	Water	03/31/16 10:05	03/31/16 15:25
40130055007	MW-7	Water	03/31/16 09:25	03/31/16 15:25
40130055008	TRIP BLANK	Water	03/31/16 00:00	03/31/16 15:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130055

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40130055001	MW-1	EPA 8260	HNW	63	PASI-G
40130055002	MW-2	EPA 8260	HNW	63	PASI-G
40130055003	MW-3	EPA 8260	HNW	63	PASI-G
40130055004	MW-4	EPA 8260	HNW	63	PASI-G
40130055005	MW-5	EPA 8260	HNW	63	PASI-G
40130055006	MW-6	EPA 8260	HNW	63	PASI-G
40130055007	MW-7	EPA 8260	HNW	63	PASI-G
40130055008	TRIP BLANK	EPA 8260	HNW	63	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40130055001	MW-1					
EPA 8260	cis-1,2-Dichloroethene	89.0	ug/L	1.0	04/01/16 12:11	
EPA 8260	trans-1,2-Dichloroethene	2.2	ug/L	1.0	04/01/16 12:11	
EPA 8260	Tetrachloroethene	3.9	ug/L	1.0	04/01/16 12:11	
EPA 8260	Trichloroethene	5.4	ug/L	1.0	04/01/16 12:11	
EPA 8260	Vinyl chloride	17.0	ug/L	1.0	04/01/16 12:11	
40130055002	MW-2					
EPA 8260	cis-1,2-Dichloroethene	4.8	ug/L	1.0	04/01/16 15:54	
EPA 8260	Trichloroethene	0.49J	ug/L	1.0	04/01/16 15:54	
40130055003	MW-3					
EPA 8260	cis-1,2-Dichloroethene	286	ug/L	1.0	04/01/16 12:33	
EPA 8260	trans-1,2-Dichloroethene	7.4	ug/L	1.0	04/01/16 12:33	
EPA 8260	Tetrachloroethene	2.0	ug/L	1.0	04/01/16 12:33	
EPA 8260	Trichloroethene	3.2	ug/L	1.0	04/01/16 12:33	
EPA 8260	Vinyl chloride	4.8	ug/L	1.0	04/01/16 12:33	
40130055004	MW-4					
EPA 8260	1,1-Dichloroethene	0.98J	ug/L	1.0	04/01/16 16:17	
EPA 8260	cis-1,2-Dichloroethene	83.2	ug/L	1.0	04/01/16 16:17	
EPA 8260	trans-1,2-Dichloroethene	3.5	ug/L	1.0	04/01/16 16:17	
EPA 8260	Tetrachloroethene	9.8	ug/L	1.0	04/01/16 16:17	
EPA 8260	Trichloroethene	18.7	ug/L	1.0	04/01/16 16:17	
EPA 8260	Vinyl chloride	1.4	ug/L	1.0	04/01/16 16:17	
40130055007	MW-7					
EPA 8260	cis-1,2-Dichloroethene	0.94J	ug/L	1.0	04/01/16 17:24	
EPA 8260	Tetrachloroethene	24.2	ug/L	1.0	04/01/16 17:24	
EPA 8260	Trichloroethene	2.8	ug/L	1.0	04/01/16 17:24	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-1 **Lab ID: 40130055001** Collected: 03/31/16 12:30 Received: 03/31/16 15:25 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		04/01/16 12:11	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/01/16 12:11	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/01/16 12:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/01/16 12:11	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 12:11	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/01/16 12:11	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/01/16 12:11	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/01/16 12:11	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/01/16 12:11	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/01/16 12:11	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/01/16 12:11	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/01/16 12:11	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/01/16 12:11	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/16 12:11	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/01/16 12:11	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/01/16 12:11	75-35-4	
cis-1,2-Dichloroethene	89.0	ug/L	1.0	0.26	1		04/01/16 12:11	156-59-2	
trans-1,2-Dichloroethene	2.2	ug/L	1.0	0.26	1		04/01/16 12:11	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/01/16 12:11	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/01/16 12:11	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/01/16 12:11	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/01/16 12:11	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/01/16 12:11	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/01/16 12:11	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/01/16 12:11	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/01/16 12:11	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/01/16 12:11	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/01/16 12:11	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-1 **Lab ID: 40130055001** Collected: 03/31/16 12:30 Received: 03/31/16 15:25 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		04/01/16 12:11	79-34-5	
Tetrachloroethene	3.9	ug/L	1.0	0.50	1		04/01/16 12:11	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/01/16 12:11	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 12:11	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/01/16 12:11	79-00-5	
Trichloroethene	5.4	ug/L	1.0	0.33	1		04/01/16 12:11	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/01/16 12:11	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:11	108-67-8	
Vinyl chloride	17.0	ug/L	1.0	0.18	1		04/01/16 12:11	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/16 12:11	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		04/01/16 12:11	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		04/01/16 12:11	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/01/16 12:11	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-2 **Lab ID: 40130055002** Collected: 03/31/16 13:25 Received: 03/31/16 15:25 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		04/01/16 15:54	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/01/16 15:54	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/01/16 15:54	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/01/16 15:54	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 15:54	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/01/16 15:54	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/01/16 15:54	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/01/16 15:54	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/01/16 15:54	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/01/16 15:54	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/01/16 15:54	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/01/16 15:54	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/01/16 15:54	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/16 15:54	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/01/16 15:54	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/01/16 15:54	75-35-4	
cis-1,2-Dichloroethene	4.8	ug/L	1.0	0.26	1		04/01/16 15:54	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/16 15:54	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/01/16 15:54	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/01/16 15:54	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/01/16 15:54	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/01/16 15:54	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/01/16 15:54	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/01/16 15:54	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/01/16 15:54	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/01/16 15:54	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/01/16 15:54	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/01/16 15:54	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-2 **Lab ID: 40130055002** Collected: 03/31/16 13:25 Received: 03/31/16 15:25 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		04/01/16 15:54	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/01/16 15:54	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 15:54	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/01/16 15:54	79-00-5	
Trichloroethene	0.49J	ug/L	1.0	0.33	1		04/01/16 15:54	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/01/16 15:54	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 15:54	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/01/16 15:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/16 15:54	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/01/16 15:54	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		04/01/16 15:54	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/01/16 15:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-3 Lab ID: 40130055003 Collected: 03/31/16 13:00 Received: 03/31/16 15:25 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		04/01/16 12:33	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/01/16 12:33	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/01/16 12:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/01/16 12:33	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 12:33	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/01/16 12:33	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/01/16 12:33	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/01/16 12:33	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/01/16 12:33	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/01/16 12:33	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/01/16 12:33	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/01/16 12:33	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/01/16 12:33	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/16 12:33	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/01/16 12:33	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/01/16 12:33	75-35-4	
cis-1,2-Dichloroethene	286	ug/L	1.0	0.26	1		04/01/16 12:33	156-59-2	
trans-1,2-Dichloroethene	7.4	ug/L	1.0	0.26	1		04/01/16 12:33	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/01/16 12:33	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/01/16 12:33	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/01/16 12:33	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/01/16 12:33	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/01/16 12:33	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/01/16 12:33	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/01/16 12:33	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/01/16 12:33	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/01/16 12:33	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/01/16 12:33	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-3 **Lab ID: 40130055003** Collected: 03/31/16 13:00 Received: 03/31/16 15:25 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		04/01/16 12:33	79-34-5	
Tetrachloroethene	2.0	ug/L	1.0	0.50	1		04/01/16 12:33	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/01/16 12:33	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 12:33	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/01/16 12:33	79-00-5	
Trichloroethene	3.2	ug/L	1.0	0.33	1		04/01/16 12:33	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/01/16 12:33	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 12:33	108-67-8	
Vinyl chloride	4.8	ug/L	1.0	0.18	1		04/01/16 12:33	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/16 12:33	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/01/16 12:33	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		04/01/16 12:33	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/01/16 12:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-4 **Lab ID: 40130055004** Collected: 03/31/16 11:35 Received: 03/31/16 15:25 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		04/01/16 16:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/01/16 16:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/01/16 16:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/01/16 16:17	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 16:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/01/16 16:17	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/01/16 16:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/01/16 16:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/01/16 16:17	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/01/16 16:17	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/01/16 16:17	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/01/16 16:17	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/01/16 16:17	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/16 16:17	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/01/16 16:17	107-06-2	
1,1-Dichloroethene	0.98J	ug/L	1.0	0.41	1		04/01/16 16:17	75-35-4	
cis-1,2-Dichloroethene	83.2	ug/L	1.0	0.26	1		04/01/16 16:17	156-59-2	
trans-1,2-Dichloroethene	3.5	ug/L	1.0	0.26	1		04/01/16 16:17	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/01/16 16:17	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/01/16 16:17	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/01/16 16:17	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/01/16 16:17	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/01/16 16:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/01/16 16:17	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/01/16 16:17	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/01/16 16:17	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/01/16 16:17	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/01/16 16:17	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-4 **Lab ID: 40130055004** Collected: 03/31/16 11:35 Received: 03/31/16 15:25 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		04/01/16 16:17	79-34-5	
Tetrachloroethene	9.8	ug/L	1.0	0.50	1		04/01/16 16:17	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/01/16 16:17	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 16:17	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/01/16 16:17	79-00-5	
Trichloroethene	18.7	ug/L	1.0	0.33	1		04/01/16 16:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/01/16 16:17	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:17	108-67-8	
Vinyl chloride	1.4	ug/L	1.0	0.18	1		04/01/16 16:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/16 16:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/01/16 16:17	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/01/16 16:17	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/01/16 16:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-5 **Lab ID: 40130055005** Collected: 03/31/16 10:40 Received: 03/31/16 15:25 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		04/01/16 16:39	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/01/16 16:39	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/01/16 16:39	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/01/16 16:39	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 16:39	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/01/16 16:39	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/01/16 16:39	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/01/16 16:39	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/01/16 16:39	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/01/16 16:39	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/01/16 16:39	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/01/16 16:39	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/01/16 16:39	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/16 16:39	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/01/16 16:39	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/01/16 16:39	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/16 16:39	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/16 16:39	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/01/16 16:39	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/01/16 16:39	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/01/16 16:39	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/01/16 16:39	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/01/16 16:39	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/01/16 16:39	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/01/16 16:39	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/01/16 16:39	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/01/16 16:39	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/01/16 16:39	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-5 **Lab ID: 40130055005** Collected: 03/31/16 10:40 Received: 03/31/16 15:25 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		04/01/16 16:39	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/01/16 16:39	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 16:39	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/01/16 16:39	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/01/16 16:39	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/01/16 16:39	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 16:39	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/01/16 16:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/16 16:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/01/16 16:39	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		04/01/16 16:39	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/01/16 16:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130055

Sample: MW-6 Lab ID: 40130055006 Collected: 03/31/16 10:05 Received: 03/31/16 15:25 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		04/01/16 17:02	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/01/16 17:02	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/01/16 17:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/01/16 17:02	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 17:02	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/01/16 17:02	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/01/16 17:02	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/01/16 17:02	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/01/16 17:02	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/01/16 17:02	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/01/16 17:02	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/01/16 17:02	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/01/16 17:02	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/16 17:02	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/01/16 17:02	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/01/16 17:02	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/16 17:02	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/16 17:02	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/01/16 17:02	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/01/16 17:02	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/01/16 17:02	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/01/16 17:02	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/01/16 17:02	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/01/16 17:02	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/01/16 17:02	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/01/16 17:02	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/01/16 17:02	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/01/16 17:02	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-6 **Lab ID: 40130055006** Collected: 03/31/16 10:05 Received: 03/31/16 15:25 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		04/01/16 17:02	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/01/16 17:02	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 17:02	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/01/16 17:02	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/01/16 17:02	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/01/16 17:02	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:02	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/01/16 17:02	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/16 17:02	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/01/16 17:02	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/01/16 17:02	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/01/16 17:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-7 Lab ID: 40130055007 Collected: 03/31/16 09:25 Received: 03/31/16 15:25 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		04/01/16 17:24	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/01/16 17:24	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/01/16 17:24	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/01/16 17:24	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 17:24	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/01/16 17:24	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/01/16 17:24	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/01/16 17:24	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/01/16 17:24	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/01/16 17:24	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/01/16 17:24	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/01/16 17:24	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/01/16 17:24	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/16 17:24	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/01/16 17:24	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/01/16 17:24	75-35-4	
cis-1,2-Dichloroethene	0.94J	ug/L	1.0	0.26	1		04/01/16 17:24	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/16 17:24	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/01/16 17:24	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/01/16 17:24	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/01/16 17:24	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/01/16 17:24	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/01/16 17:24	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/01/16 17:24	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/01/16 17:24	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/01/16 17:24	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/01/16 17:24	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/01/16 17:24	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: MW-7 **Lab ID: 40130055007** Collected: 03/31/16 09:25 Received: 03/31/16 15:25 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		04/01/16 17:24	79-34-5	
Tetrachloroethene	24.2	ug/L	1.0	0.50	1		04/01/16 17:24	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/01/16 17:24	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 17:24	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/01/16 17:24	79-00-5	
Trichloroethene	2.8	ug/L	1.0	0.33	1		04/01/16 17:24	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/01/16 17:24	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 17:24	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/01/16 17:24	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/16 17:24	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/01/16 17:24	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		04/01/16 17:24	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/01/16 17:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: TRIP BLANK Lab ID: 40130055008 Collected: 03/31/16 00:00 Received: 03/31/16 15:25 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		04/01/16 11:26	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/01/16 11:26	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/01/16 11:26	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/01/16 11:26	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 11:26	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/01/16 11:26	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/01/16 11:26	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/01/16 11:26	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/01/16 11:26	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/01/16 11:26	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/01/16 11:26	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/01/16 11:26	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/01/16 11:26	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/16 11:26	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/01/16 11:26	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/01/16 11:26	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/16 11:26	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/16 11:26	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/01/16 11:26	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/01/16 11:26	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/01/16 11:26	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/01/16 11:26	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/01/16 11:26	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/01/16 11:26	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/01/16 11:26	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/01/16 11:26	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/01/16 11:26	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/01/16 11:26	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Sample: TRIP BLANK **Lab ID: 40130055008** Collected: 03/31/16 00:00 Received: 03/31/16 15:25 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		04/01/16 11:26	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/01/16 11:26	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/01/16 11:26	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/01/16 11:26	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/01/16 11:26	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/01/16 11:26	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/01/16 11:26	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/01/16 11:26	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/16 11:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		04/01/16 11:26	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		04/01/16 11:26	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		04/01/16 11:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40130055

QC Batch: MSV/32818 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40130055001, 40130055002, 40130055003, 40130055004, 40130055005, 40130055006, 40130055007, 40130055008

METHOD BLANK: 1313884 Matrix: Water
Associated Lab Samples: 40130055001, 40130055002, 40130055003, 40130055004, 40130055005, 40130055006, 40130055007, 40130055008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	04/01/16 08:04	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	04/01/16 08:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	04/01/16 08:04	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	04/01/16 08:04	
1,1-Dichloroethane	ug/L	<0.24	1.0	04/01/16 08:04	
1,1-Dichloroethene	ug/L	<0.41	1.0	04/01/16 08:04	
1,1-Dichloropropene	ug/L	<0.44	1.0	04/01/16 08:04	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	04/01/16 08:04	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	04/01/16 08:04	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	04/01/16 08:04	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	04/01/16 08:04	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	04/01/16 08:04	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	04/01/16 08:04	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	04/01/16 08:04	
1,2-Dichloroethane	ug/L	<0.17	1.0	04/01/16 08:04	
1,2-Dichloropropane	ug/L	<0.23	1.0	04/01/16 08:04	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	04/01/16 08:04	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	04/01/16 08:04	
1,3-Dichloropropane	ug/L	<0.50	1.0	04/01/16 08:04	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	04/01/16 08:04	
2,2-Dichloropropane	ug/L	<0.48	1.0	04/01/16 08:04	
2-Chlorotoluene	ug/L	<0.50	1.0	04/01/16 08:04	
4-Chlorotoluene	ug/L	<0.21	1.0	04/01/16 08:04	
Benzene	ug/L	<0.50	1.0	04/01/16 08:04	
Bromobenzene	ug/L	<0.23	1.0	04/01/16 08:04	
Bromochloromethane	ug/L	<0.34	1.0	04/01/16 08:04	
Bromodichloromethane	ug/L	<0.50	1.0	04/01/16 08:04	
Bromoform	ug/L	<0.50	1.0	04/01/16 08:04	
Bromomethane	ug/L	<2.4	5.0	04/01/16 08:04	
Carbon tetrachloride	ug/L	<0.50	1.0	04/01/16 08:04	
Chlorobenzene	ug/L	<0.50	1.0	04/01/16 08:04	
Chloroethane	ug/L	<0.37	1.0	04/01/16 08:04	
Chloroform	ug/L	<2.5	5.0	04/01/16 08:04	
Chloromethane	ug/L	<0.50	1.0	04/01/16 08:04	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	04/01/16 08:04	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	04/01/16 08:04	
Dibromochloromethane	ug/L	<0.50	1.0	04/01/16 08:04	
Dibromomethane	ug/L	<0.43	1.0	04/01/16 08:04	
Dichlorodifluoromethane	ug/L	<0.22	1.0	04/01/16 08:04	
Diisopropyl ether	ug/L	<0.50	1.0	04/01/16 08:04	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

METHOD BLANK: 1313884

Matrix: Water

Associated Lab Samples: 40130055001, 40130055002, 40130055003, 40130055004, 40130055005, 40130055006, 40130055007, 40130055008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	04/01/16 08:04	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	04/01/16 08:04	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	04/01/16 08:04	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	04/01/16 08:04	
Methylene Chloride	ug/L	<0.23	1.0	04/01/16 08:04	
n-Butylbenzene	ug/L	<0.50	1.0	04/01/16 08:04	
n-Propylbenzene	ug/L	<0.50	1.0	04/01/16 08:04	
Naphthalene	ug/L	<2.5	5.0	04/01/16 08:04	
p-Isopropyltoluene	ug/L	<0.50	1.0	04/01/16 08:04	
sec-Butylbenzene	ug/L	<2.2	5.0	04/01/16 08:04	
Styrene	ug/L	<0.50	1.0	04/01/16 08:04	
tert-Butylbenzene	ug/L	<0.18	1.0	04/01/16 08:04	
Tetrachloroethene	ug/L	<0.50	1.0	04/01/16 08:04	
Toluene	ug/L	<0.50	1.0	04/01/16 08:04	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	04/01/16 08:04	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	04/01/16 08:04	
Trichloroethene	ug/L	<0.33	1.0	04/01/16 08:04	
Trichlorofluoromethane	ug/L	<0.18	1.0	04/01/16 08:04	
Vinyl chloride	ug/L	<0.18	1.0	04/01/16 08:04	
Xylene (Total)	ug/L	<1.5	3.0	04/01/16 08:04	
4-Bromofluorobenzene (S)	%	94	70-130	04/01/16 08:04	
Dibromofluoromethane (S)	%	101	70-130	04/01/16 08:04	
Toluene-d8 (S)	%	95	70-130	04/01/16 08:04	

LABORATORY CONTROL SAMPLE: 1313885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.0	104	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	50.6	101	67-130	
1,1,2-Trichloroethane	ug/L	50	51.6	103	70-130	
1,1-Dichloroethane	ug/L	50	51.2	102	70-133	
1,1-Dichloroethene	ug/L	50	48.6	97	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.1	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.7	95	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	53.0	106	70-130	
1,2-Dichlorobenzene	ug/L	50	52.4	105	70-130	
1,2-Dichloroethane	ug/L	50	48.9	98	70-130	
1,2-Dichloropropane	ug/L	50	48.5	97	70-130	
1,3-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	50.8	102	60-135	
Bromodichloromethane	ug/L	50	50.3	101	70-130	
Bromoform	ug/L	50	50.1	100	70-130	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

LABORATORY CONTROL SAMPLE: 1313885

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	32.0	64	33-130	
Carbon tetrachloride	ug/L	50	53.1	106	70-138	
Chlorobenzene	ug/L	50	51.6	103	70-130	
Chloroethane	ug/L	50	44.3	89	51-130	
Chloroform	ug/L	50	52.2	104	70-130	
Chloromethane	ug/L	50	33.9	68	25-132	
cis-1,2-Dichloroethene	ug/L	50	50.4	101	69-130	
cis-1,3-Dichloropropene	ug/L	50	47.3	95	70-130	
Dibromochloromethane	ug/L	50	48.5	97	70-130	
Dichlorodifluoromethane	ug/L	50	22.4	45	23-130	
Ethylbenzene	ug/L	50	52.0	104	70-136	
Isopropylbenzene (Cumene)	ug/L	50	53.6	107	70-140	
Methyl-tert-butyl ether	ug/L	50	49.3	99	66-138	
Methylene Chloride	ug/L	50	51.3	103	70-130	
Styrene	ug/L	50	55.2	110	70-133	
Tetrachloroethene	ug/L	50	53.6	107	70-138	
Toluene	ug/L	50	50.5	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.5	103	70-131	
trans-1,3-Dichloropropene	ug/L	50	44.2	88	69-130	
Trichloroethene	ug/L	50	51.5	103	70-130	
Trichlorofluoromethane	ug/L	50	50.6	101	50-150	
Vinyl chloride	ug/L	50	40.2	80	49-130	
Xylene (Total)	ug/L	150	159	106	70-135	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1313897 1313898

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40130018001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	15.6	50	50	73.3	71.7	115	112	70-134	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	51.2	51.6	102	103	67-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	52.1	52.7	104	105	70-130	1	20	
1,1-Dichloroethane	ug/L	0.31J	50	50	53.1	52.5	106	104	70-134	1	20	
1,1-Dichloroethene	ug/L	0.86J	50	50	50.4	50.4	99	99	68-136	0	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	51.3	50.4	103	101	62-139	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	48.8	49.1	98	98	50-150	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.6	54.1	105	108	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	52.8	52.5	106	105	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	50.7	50.1	101	100	70-130	1	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	49.5	50.3	99	101	70-130	2	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	52.6	52.3	105	105	70-131	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	52.9	52.7	106	105	70-130	0	20	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Parameter	Units	40130018001		1313897		1313898		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/L	<0.50	50	50	52.3	51.9	105	104	57-138	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	52.4	52.6	105	105	70-130	0	20		
Bromoform	ug/L	<0.50	50	50	51.5	51.7	103	103	70-130	0	20		
Bromomethane	ug/L	<2.4	50	50	36.1	37.6	72	75	33-130	4	27		
Carbon tetrachloride	ug/L	<0.50	50	50	55.8	55.6	112	111	70-138	0	20		
Chlorobenzene	ug/L	<0.50	50	50	51.9	52.1	104	104	70-130	0	20		
Chloroethane	ug/L	<0.37	50	50	44.8	43.8	90	88	51-130	2	20		
Chloroform	ug/L	<2.5	50	50	53.7	53.3	107	106	70-130	1	20		
Chloromethane	ug/L	<0.50	50	50	33.8	33.4	67	66	25-132	1	20		
cis-1,2-Dichloroethene	ug/L	0.39J	50	50	51.5	51.0	102	101	61-140	1	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.3	49.3	97	99	70-130	2	20		
Dibromochloromethane	ug/L	<0.50	50	50	49.5	49.5	99	99	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	20.8	20.3	42	41	23-130	2	20		
Ethylbenzene	ug/L	<0.50	50	50	52.4	53.5	105	107	70-138	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	54.2	54.4	108	109	70-152	0	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	49.7	49.7	99	99	66-139	0	20		
Methylene Chloride	ug/L	<0.23	50	50	52.2	51.9	104	104	70-130	1	20		
Styrene	ug/L	<0.50	50	50	55.8	56.2	112	112	70-138	1	20		
Tetrachloroethene	ug/L	29.3	50	50	86.9	85.8	115	113	70-148	1	20		
Toluene	ug/L	<0.50	50	50	51.4	51.7	103	103	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	52.3	52.0	105	104	70-133	0	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	45.1	44.9	90	90	69-130	0	20		
Trichloroethene	ug/L	10.2	50	50	63.5	63.1	107	106	70-131	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	51.5	51.0	103	102	50-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	40.3	39.7	81	79	49-133	2	20		
Xylene (Total)	ug/L	<1.5	150	150	163	162	109	108	70-135	1	20		
4-Bromofluorobenzene (S)	%						97	98	70-130				
Dibromofluoromethane (S)	%						105	104	70-130				
Toluene-d8 (S)	%						96	97	70-130				

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QUALIFIERS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40130055

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40130055001	MW-1	EPA 8260	MSV/32818		
40130055002	MW-2	EPA 8260	MSV/32818		
40130055003	MW-3	EPA 8260	MSV/32818		
40130055004	MW-4	EPA 8260	MSV/32818		
40130055005	MW-5	EPA 8260	MSV/32818		
40130055006	MW-6	EPA 8260	MSV/32818		
40130055007	MW-7	EPA 8260	MSV/32818		
40130055008	TRIP BLANK	EPA 8260	MSV/32818		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Giles Engineering
 Branch/Location: Waukesha WI
 Project Contact: Steve Owens
 Phone: 262-544-0118
 Project Number: IE-1105023
 Project Name: Smolle - OUT
 Project State: WI
 Sampled By (Print): Kelly Hayden
 Sampled By (Sign): Kelly Hayden
 PO #:



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40130055

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

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	N																		
	B																		
Analyses Requested		VOC																	

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	3-40mlVB	
	1-40mlVB	

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 = Blots 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		MATRIX
		DATE	TIME	
001	mw-1	3/31/16	1230	W
002	mw-2		1325	
003	mw-3		1300	
004	mw-4		1135	
005	mw-5		1040	
006	mw-6		1005	
007	mw-7		925	
008	Trip Blank			

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: Standard 7 day

Transmit Prelim Rush Results by (complete what you want):
 Email #1: Steve Owens @ gilesengr.com
 Email #2:
 Telephone:
 Fax:

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

Relinquished By: <u>Kelly Hayden</u>	Date/Time: <u>3/31/16 1525</u>	Received By: <u>[Signature]</u>	Date/Time: <u>3/31/16 1525</u>
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. 40130055
 Receipt Temp = ROT °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal
 Present / Not Present
 Intact / Not Intact



Sample Condition Upon Receipt

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

Project #:

WO#: 40130055



Client Name: Giles

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: 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: 3-31-16
Initials: mm

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

Comments:

Table with 15 rows of inspection items and checkboxes. Items include Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, etc.

Client Notification/ Resolution: Person Contacted: Date/Time: Comments/ Resolution:

Project Manager Review: Date: 3-31-16

June 09, 2016

Steve Owens
Giles Engineering Associates, Inc.
N8 W22350 Johnson Road
Waukesha, WI 53186

RE: Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40133278

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on June 03, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150

South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40133278001	MW-1	Water	06/02/16 15:15	06/03/16 12:57
40133278002	MW-2	Water	06/02/16 16:10	06/03/16 12:57
40133278003	MW-3	Water	06/02/16 15:45	06/03/16 12:57
40133278004	MW-4	Water	06/03/16 10:50	06/03/16 12:57
40133278005	MW-5	Water	06/02/16 16:40	06/03/16 12:57
40133278006	MW-6	Water	06/02/16 17:10	06/03/16 12:57
40133278007	MW-7	Water	06/03/16 08:50	06/03/16 12:57
40133278008	MW-8	Water	06/03/16 10:10	06/03/16 12:57
40133278009	MW-9	Water	06/03/16 09:25	06/03/16 12:57
40133278010	TRIP BLANK	Water	06/03/16 00:00	06/03/16 12:57

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40133278

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40133278001	MW-1	EPA 8260	HNW	63	PASI-G
40133278002	MW-2	EPA 8260	HNW	63	PASI-G
40133278003	MW-3	EPA 8260	HNW	63	PASI-G
40133278004	MW-4	EPA 8260	HNW	63	PASI-G
40133278005	MW-5	EPA 8260	HNW	63	PASI-G
40133278006	MW-6	EPA 8260	HNW	63	PASI-G
40133278007	MW-7	EPA 8260	HNW	63	PASI-G
40133278008	MW-8	EPA 8260	HNW	63	PASI-G
40133278009	MW-9	EPA 8260	HNW	63	PASI-G
40133278010	TRIP BLANK	EPA 8260	HNW	63	PASI-G

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SUMMARY OF DETECTION

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40133278

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40133278001	MW-1					
EPA 8260	Chloromethane	5.3	ug/L	1.0	06/07/16 14:28	
EPA 8260	cis-1,2-Dichloroethene	79.2	ug/L	1.0	06/07/16 14:28	
EPA 8260	trans-1,2-Dichloroethene	2.1	ug/L	1.0	06/07/16 14:28	
EPA 8260	Tetrachloroethene	8.3	ug/L	1.0	06/07/16 14:28	
EPA 8260	Trichloroethene	7.0	ug/L	1.0	06/07/16 14:28	
EPA 8260	Vinyl chloride	12.7	ug/L	1.0	06/07/16 14:28	
40133278002	MW-2					
EPA 8260	cis-1,2-Dichloroethene	2.5	ug/L	1.0	06/07/16 14:51	
EPA 8260	Tetrachloroethene	0.67J	ug/L	1.0	06/07/16 14:51	
40133278003	MW-3					
EPA 8260	Chloromethane	11.3	ug/L	5.0	06/08/16 16:22	
EPA 8260	cis-1,2-Dichloroethene	405	ug/L	5.0	06/08/16 16:22	
EPA 8260	trans-1,2-Dichloroethene	9.4	ug/L	5.0	06/08/16 16:22	
EPA 8260	Tetrachloroethene	50.3	ug/L	5.0	06/08/16 16:22	
EPA 8260	Trichloroethene	37.9	ug/L	5.0	06/08/16 16:22	
EPA 8260	Vinyl chloride	6.7	ug/L	5.0	06/08/16 16:22	
40133278004	MW-4					
EPA 8260	Chloromethane	12.7	ug/L	1.0	06/07/16 15:36	
EPA 8260	1,1-Dichloroethene	1.1	ug/L	1.0	06/07/16 15:36	
EPA 8260	cis-1,2-Dichloroethene	65.3	ug/L	1.0	06/07/16 15:36	
EPA 8260	trans-1,2-Dichloroethene	3.0	ug/L	1.0	06/07/16 15:36	
EPA 8260	Tetrachloroethene	11.6	ug/L	1.0	06/07/16 15:36	
EPA 8260	Trichloroethene	24.1	ug/L	1.0	06/07/16 15:36	
EPA 8260	Vinyl chloride	1.0	ug/L	1.0	06/07/16 15:36	
40133278005	MW-5					
EPA 8260	Chloromethane	3.2	ug/L	1.0	06/08/16 14:52	
40133278006	MW-6					
EPA 8260	Chloromethane	3.8	ug/L	1.0	06/07/16 19:06	
40133278007	MW-7					
EPA 8260	Chloromethane	4.7	ug/L	1.0	06/07/16 19:28	
EPA 8260	cis-1,2-Dichloroethene	0.51J	ug/L	1.0	06/07/16 19:28	
EPA 8260	Tetrachloroethene	9.8	ug/L	1.0	06/07/16 19:28	
EPA 8260	Trichloroethene	1.1	ug/L	1.0	06/07/16 19:28	
40133278009	MW-9					
EPA 8260	Chloromethane	8.1	ug/L	1.0	06/07/16 16:17	
EPA 8260	Methyl-tert-butyl ether	0.23J	ug/L	1.0	06/07/16 16:17	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40133278

Sample: MW-1 Lab ID: 40133278001 Collected: 06/02/16 15:15 Received: 06/03/16 12:57 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		06/07/16 14:28	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/07/16 14:28	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/07/16 14:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/07/16 14:28	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 14:28	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/07/16 14:28	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/07/16 14:28	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/07/16 14:28	67-66-3	
Chloromethane	5.3	ug/L	1.0	0.50	1		06/07/16 14:28	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/07/16 14:28	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/07/16 14:28	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/07/16 14:28	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/07/16 14:28	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/07/16 14:28	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/07/16 14:28	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/07/16 14:28	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/07/16 14:28	75-35-4	
cis-1,2-Dichloroethene	79.2	ug/L	1.0	0.26	1		06/07/16 14:28	156-59-2	
trans-1,2-Dichloroethene	2.1	ug/L	1.0	0.26	1		06/07/16 14:28	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/07/16 14:28	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/07/16 14:28	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/07/16 14:28	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/07/16 14:28	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/07/16 14:28	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/07/16 14:28	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/07/16 14:28	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/07/16 14:28	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/07/16 14:28	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/07/16 14:28	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-1 **Lab ID: 40133278001** Collected: 06/02/16 15:15 Received: 06/03/16 12:57 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		06/07/16 14:28	79-34-5	
Tetrachloroethene	8.3	ug/L	1.0	0.50	1		06/07/16 14:28	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/07/16 14:28	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 14:28	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/07/16 14:28	79-00-5	
Trichloroethene	7.0	ug/L	1.0	0.33	1		06/07/16 14:28	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/07/16 14:28	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:28	108-67-8	
Vinyl chloride	12.7	ug/L	1.0	0.18	1		06/07/16 14:28	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/16 14:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		06/07/16 14:28	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		06/07/16 14:28	1868-53-7	
Toluene-d8 (S)	86	%	70-130		1		06/07/16 14:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-2 **Lab ID: 40133278002** Collected: 06/02/16 16:10 Received: 06/03/16 12:57 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		06/07/16 14:51	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/07/16 14:51	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/07/16 14:51	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/07/16 14:51	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 14:51	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/07/16 14:51	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/07/16 14:51	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/07/16 14:51	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/07/16 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/07/16 14:51	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/07/16 14:51	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/07/16 14:51	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/07/16 14:51	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/07/16 14:51	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/07/16 14:51	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/07/16 14:51	75-35-4	
cis-1,2-Dichloroethene	2.5	ug/L	1.0	0.26	1		06/07/16 14:51	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 14:51	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/07/16 14:51	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/07/16 14:51	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/07/16 14:51	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/07/16 14:51	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/07/16 14:51	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/07/16 14:51	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/07/16 14:51	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/07/16 14:51	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/07/16 14:51	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/07/16 14:51	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-2 **Lab ID: 40133278002** Collected: 06/02/16 16:10 Received: 06/03/16 12:57 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		06/07/16 14:51	79-34-5	
Tetrachloroethene	0.67J	ug/L	1.0	0.50	1		06/07/16 14:51	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/07/16 14:51	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 14:51	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/07/16 14:51	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/07/16 14:51	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/07/16 14:51	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 14:51	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/07/16 14:51	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/16 14:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		06/07/16 14:51	460-00-4	
Dibromofluoromethane (S)	113	%	70-130		1		06/07/16 14:51	1868-53-7	
Toluene-d8 (S)	87	%	70-130		1		06/07/16 14:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-3 **Lab ID: 40133278003** Collected: 06/02/16 15:45 Received: 06/03/16 12:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		06/08/16 16:22	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		06/08/16 16:22	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		06/08/16 16:22	74-83-9	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	104-51-8	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		06/08/16 16:22	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		06/08/16 16:22	98-06-6	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		06/08/16 16:22	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		06/08/16 16:22	67-66-3	
Chloromethane	11.3	ug/L	5.0	2.5	5		06/08/16 16:22	74-87-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	95-49-8	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		06/08/16 16:22	106-43-4	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		06/08/16 16:22	96-12-8	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		06/08/16 16:22	106-93-4	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		06/08/16 16:22	74-95-3	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	95-50-1	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	541-73-1	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	106-46-7	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		06/08/16 16:22	75-71-8	
1,1-Dichloroethane	<1.2	ug/L	5.0	1.2	5		06/08/16 16:22	75-34-3	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		06/08/16 16:22	107-06-2	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		06/08/16 16:22	75-35-4	
cis-1,2-Dichloroethene	405	ug/L	5.0	1.3	5		06/08/16 16:22	156-59-2	
trans-1,2-Dichloroethene	9.4	ug/L	5.0	1.3	5		06/08/16 16:22	156-60-5	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		06/08/16 16:22	78-87-5	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	142-28-9	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		06/08/16 16:22	594-20-7	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		06/08/16 16:22	563-58-6	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	10061-01-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		06/08/16 16:22	10061-02-6	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	108-20-3	
Ethylbenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		06/08/16 16:22	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		06/08/16 16:22	98-82-8	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	99-87-6	
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		06/08/16 16:22	75-09-2	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		06/08/16 16:22	1634-04-4	
Naphthalene	<12.5	ug/L	25.0	12.5	5		06/08/16 16:22	91-20-3	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	103-65-1	
Styrene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		06/08/16 16:22	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-3 **Lab ID: 40133278003** Collected: 06/02/16 15:45 Received: 06/03/16 12:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		06/08/16 16:22	79-34-5	
Tetrachloroethene	50.3	ug/L	5.0	2.5	5		06/08/16 16:22	127-18-4	
Toluene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	108-88-3	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		06/08/16 16:22	87-61-6	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		06/08/16 16:22	120-82-1	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	71-55-6	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		06/08/16 16:22	79-00-5	
Trichloroethene	37.9	ug/L	5.0	1.7	5		06/08/16 16:22	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		06/08/16 16:22	75-69-4	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	96-18-4	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/08/16 16:22	108-67-8	
Vinyl chloride	6.7	ug/L	5.0	0.88	5		06/08/16 16:22	75-01-4	
Xylene (Total)	<7.5	ug/L	15.0	7.5	5		06/08/16 16:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		5		06/08/16 16:22	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		5		06/08/16 16:22	1868-53-7	
Toluene-d8 (S)	87	%	70-130		5		06/08/16 16:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-4 **Lab ID: 40133278004** Collected: 06/03/16 10:50 Received: 06/03/16 12:57 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		06/07/16 15:36	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/07/16 15:36	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/07/16 15:36	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/07/16 15:36	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 15:36	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/07/16 15:36	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/07/16 15:36	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/07/16 15:36	67-66-3	
Chloromethane	12.7	ug/L	1.0	0.50	1		06/07/16 15:36	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/07/16 15:36	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/07/16 15:36	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/07/16 15:36	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/07/16 15:36	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/07/16 15:36	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/07/16 15:36	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/07/16 15:36	107-06-2	
1,1-Dichloroethene	1.1	ug/L	1.0	0.41	1		06/07/16 15:36	75-35-4	
cis-1,2-Dichloroethene	65.3	ug/L	1.0	0.26	1		06/07/16 15:36	156-59-2	
trans-1,2-Dichloroethene	3.0	ug/L	1.0	0.26	1		06/07/16 15:36	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/07/16 15:36	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/07/16 15:36	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/07/16 15:36	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/07/16 15:36	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/07/16 15:36	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/07/16 15:36	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/07/16 15:36	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/07/16 15:36	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/07/16 15:36	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/07/16 15:36	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-4 **Lab ID: 40133278004** Collected: 06/03/16 10:50 Received: 06/03/16 12:57 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		06/07/16 15:36	79-34-5	
Tetrachloroethene	11.6	ug/L	1.0	0.50	1		06/07/16 15:36	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/07/16 15:36	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 15:36	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/07/16 15:36	79-00-5	
Trichloroethene	24.1	ug/L	1.0	0.33	1		06/07/16 15:36	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/07/16 15:36	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:36	108-67-8	
Vinyl chloride	1.0	ug/L	1.0	0.18	1		06/07/16 15:36	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/16 15:36	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/07/16 15:36	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		06/07/16 15:36	1868-53-7	
Toluene-d8 (S)	86	%	70-130		1		06/07/16 15:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40133278

Sample: MW-5 **Lab ID: 40133278005** Collected: 06/02/16 16:40 Received: 06/03/16 12:57 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		06/08/16 14:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/08/16 14:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/08/16 14:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/08/16 14:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/08/16 14:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/08/16 14:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/08/16 14:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/08/16 14:52	67-66-3	
Chloromethane	3.2	ug/L	1.0	0.50	1		06/08/16 14:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/08/16 14:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/08/16 14:52	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/08/16 14:52	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/08/16 14:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/08/16 14:52	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/08/16 14:52	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/08/16 14:52	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/08/16 14:52	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/08/16 14:52	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/08/16 14:52	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/08/16 14:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/08/16 14:52	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/08/16 14:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/08/16 14:52	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/08/16 14:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/08/16 14:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/08/16 14:52	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/08/16 14:52	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/08/16 14:52	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/08/16 14:52	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-5 **Lab ID: 40133278005** Collected: 06/02/16 16:40 Received: 06/03/16 12:57 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		06/08/16 14:52	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/08/16 14:52	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/08/16 14:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/08/16 14:52	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/08/16 14:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/08/16 14:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/08/16 14:52	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/08/16 14:52	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/08/16 14:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		06/08/16 14:52	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		06/08/16 14:52	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/08/16 14:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-6 **Lab ID: 40133278006** Collected: 06/02/16 17:10 Received: 06/03/16 12:57 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		06/07/16 19:06	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/07/16 19:06	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/07/16 19:06	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/07/16 19:06	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 19:06	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/07/16 19:06	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/07/16 19:06	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/07/16 19:06	67-66-3	
Chloromethane	3.8	ug/L	1.0	0.50	1		06/07/16 19:06	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/07/16 19:06	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/07/16 19:06	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/07/16 19:06	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/07/16 19:06	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/07/16 19:06	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/07/16 19:06	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/07/16 19:06	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/07/16 19:06	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 19:06	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 19:06	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/07/16 19:06	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/07/16 19:06	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/07/16 19:06	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/07/16 19:06	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/07/16 19:06	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/07/16 19:06	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/07/16 19:06	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/07/16 19:06	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/07/16 19:06	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/07/16 19:06	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-6 **Lab ID: 40133278006** Collected: 06/02/16 17:10 Received: 06/03/16 12:57 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		06/07/16 19:06	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/07/16 19:06	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 19:06	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/07/16 19:06	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/07/16 19:06	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/07/16 19:06	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:06	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/07/16 19:06	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/16 19:06	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		06/07/16 19:06	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		06/07/16 19:06	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		06/07/16 19:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-7 **Lab ID: 40133278007** Collected: 06/03/16 08:50 Received: 06/03/16 12:57 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		06/07/16 19:28	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/07/16 19:28	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/07/16 19:28	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/07/16 19:28	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 19:28	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/07/16 19:28	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/07/16 19:28	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/07/16 19:28	67-66-3	
Chloromethane	4.7	ug/L	1.0	0.50	1		06/07/16 19:28	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/07/16 19:28	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/07/16 19:28	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/07/16 19:28	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/07/16 19:28	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/07/16 19:28	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/07/16 19:28	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/07/16 19:28	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/07/16 19:28	75-35-4	
cis-1,2-Dichloroethene	0.51J	ug/L	1.0	0.26	1		06/07/16 19:28	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 19:28	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/07/16 19:28	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/07/16 19:28	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/07/16 19:28	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/07/16 19:28	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/07/16 19:28	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/07/16 19:28	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/07/16 19:28	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/07/16 19:28	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/07/16 19:28	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/07/16 19:28	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-7 **Lab ID: 40133278007** Collected: 06/03/16 08:50 Received: 06/03/16 12:57 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		06/07/16 19:28	79-34-5	
Tetrachloroethene	9.8	ug/L	1.0	0.50	1		06/07/16 19:28	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/07/16 19:28	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 19:28	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/07/16 19:28	79-00-5	
Trichloroethene	1.1	ug/L	1.0	0.33	1		06/07/16 19:28	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/07/16 19:28	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 19:28	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/07/16 19:28	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/16 19:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		06/07/16 19:28	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		06/07/16 19:28	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		06/07/16 19:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-8 **Lab ID: 40133278008** Collected: 06/03/16 10:10 Received: 06/03/16 12:57 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		06/07/16 15:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/07/16 15:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/07/16 15:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/07/16 15:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 15:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/07/16 15:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/07/16 15:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/07/16 15:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/07/16 15:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/07/16 15:55	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/07/16 15:55	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/07/16 15:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/07/16 15:55	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/07/16 15:55	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/07/16 15:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/07/16 15:55	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 15:55	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 15:55	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/07/16 15:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/07/16 15:55	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/07/16 15:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/07/16 15:55	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/07/16 15:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/07/16 15:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/07/16 15:55	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/07/16 15:55	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/07/16 15:55	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/07/16 15:55	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-8 **Lab ID: 40133278008** Collected: 06/03/16 10:10 Received: 06/03/16 12:57 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		06/07/16 15:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/07/16 15:55	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 15:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/07/16 15:55	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/07/16 15:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/07/16 15:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:55	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/07/16 15:55	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/16 15:55	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		06/07/16 15:55	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		06/07/16 15:55	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/07/16 15:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40133278

Sample: MW-9 Lab ID: 40133278009 Collected: 06/03/16 09:25 Received: 06/03/16 12:57 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		06/07/16 16:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/07/16 16:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/07/16 16:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/07/16 16:17	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 16:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/07/16 16:17	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/07/16 16:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/07/16 16:17	67-66-3	
Chloromethane	8.1	ug/L	1.0	0.50	1		06/07/16 16:17	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/07/16 16:17	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/07/16 16:17	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/07/16 16:17	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/07/16 16:17	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/07/16 16:17	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/07/16 16:17	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/07/16 16:17	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/07/16 16:17	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 16:17	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 16:17	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/07/16 16:17	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/07/16 16:17	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/07/16 16:17	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/07/16 16:17	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/07/16 16:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/07/16 16:17	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/07/16 16:17	75-09-2	
Methyl-tert-butyl ether	0.23J	ug/L	1.0	0.17	1		06/07/16 16:17	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/07/16 16:17	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/07/16 16:17	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: MW-9 **Lab ID: 40133278009** Collected: 06/03/16 09:25 Received: 06/03/16 12:57 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		06/07/16 16:17	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/07/16 16:17	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 16:17	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/07/16 16:17	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/07/16 16:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/07/16 16:17	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 16:17	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/07/16 16:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/16 16:17	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		06/07/16 16:17	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		06/07/16 16:17	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		06/07/16 16:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: TRIP BLANK **Lab ID: 40133278010** Collected: 06/03/16 00:00 Received: 06/03/16 12:57 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		06/07/16 15:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/07/16 15:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/07/16 15:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/07/16 15:32	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 15:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/07/16 15:32	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/07/16 15:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/07/16 15:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/07/16 15:32	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/07/16 15:32	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/07/16 15:32	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/07/16 15:32	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/07/16 15:32	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/07/16 15:32	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/07/16 15:32	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/07/16 15:32	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 15:32	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/07/16 15:32	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/07/16 15:32	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/07/16 15:32	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/07/16 15:32	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/07/16 15:32	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/07/16 15:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/07/16 15:32	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/07/16 15:32	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/07/16 15:32	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/07/16 15:32	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/07/16 15:32	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Sample: TRIP BLANK **Lab ID: 40133278010** Collected: 06/03/16 00:00 Received: 06/03/16 12:57 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		06/07/16 15:32	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/07/16 15:32	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/07/16 15:32	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/07/16 15:32	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/07/16 15:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/07/16 15:32	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/07/16 15:32	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/07/16 15:32	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		06/07/16 15:32	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		06/07/16 15:32	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		06/07/16 15:32	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		06/07/16 15:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

QC Batch: MSV/33795 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40133278006, 40133278007

METHOD BLANK: 1345580 Matrix: Water

Associated Lab Samples: 40133278006, 40133278007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/07/16 16:51	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/07/16 16:51	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/07/16 16:51	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/07/16 16:51	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/07/16 16:51	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/07/16 16:51	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/07/16 16:51	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/07/16 16:51	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/07/16 16:51	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/07/16 16:51	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/07/16 16:51	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/07/16 16:51	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/07/16 16:51	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 16:51	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/07/16 16:51	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/07/16 16:51	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/07/16 16:51	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 16:51	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/07/16 16:51	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 16:51	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/07/16 16:51	
2-Chlorotoluene	ug/L	<0.50	1.0	06/07/16 16:51	
4-Chlorotoluene	ug/L	<0.21	1.0	06/07/16 16:51	
Benzene	ug/L	<0.50	1.0	06/07/16 16:51	
Bromobenzene	ug/L	<0.23	1.0	06/07/16 16:51	
Bromochloromethane	ug/L	<0.34	1.0	06/07/16 16:51	
Bromodichloromethane	ug/L	<0.50	1.0	06/07/16 16:51	
Bromoform	ug/L	<0.50	1.0	06/07/16 16:51	
Bromomethane	ug/L	<2.4	5.0	06/07/16 16:51	
Carbon tetrachloride	ug/L	<0.50	1.0	06/07/16 16:51	
Chlorobenzene	ug/L	<0.50	1.0	06/07/16 16:51	
Chloroethane	ug/L	<0.37	1.0	06/07/16 16:51	
Chloroform	ug/L	<2.5	5.0	06/07/16 16:51	
Chloromethane	ug/L	<0.50	1.0	06/07/16 16:51	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/07/16 16:51	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/07/16 16:51	
Dibromochloromethane	ug/L	<0.50	1.0	06/07/16 16:51	
Dibromomethane	ug/L	<0.43	1.0	06/07/16 16:51	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/07/16 16:51	
Diisopropyl ether	ug/L	<0.50	1.0	06/07/16 16:51	
Ethylbenzene	ug/L	<0.50	1.0	06/07/16 16:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

METHOD BLANK: 1345580

Matrix: Water

Associated Lab Samples: 40133278006, 40133278007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/07/16 16:51	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/07/16 16:51	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/07/16 16:51	
Methylene Chloride	ug/L	<0.23	1.0	06/07/16 16:51	
n-Butylbenzene	ug/L	<0.50	1.0	06/07/16 16:51	
n-Propylbenzene	ug/L	<0.50	1.0	06/07/16 16:51	
Naphthalene	ug/L	<2.5	5.0	06/07/16 16:51	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/07/16 16:51	
sec-Butylbenzene	ug/L	<2.2	5.0	06/07/16 16:51	
Styrene	ug/L	<0.50	1.0	06/07/16 16:51	
tert-Butylbenzene	ug/L	<0.18	1.0	06/07/16 16:51	
Tetrachloroethene	ug/L	<0.50	1.0	06/07/16 16:51	
Toluene	ug/L	<0.50	1.0	06/07/16 16:51	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/07/16 16:51	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/07/16 16:51	
Trichloroethene	ug/L	<0.33	1.0	06/07/16 16:51	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/07/16 16:51	
Vinyl chloride	ug/L	<0.18	1.0	06/07/16 16:51	
Xylene (Total)	ug/L	<1.5	3.0	06/07/16 16:51	
4-Bromofluorobenzene (S)	%	82	70-130	06/07/16 16:51	
Dibromofluoromethane (S)	%	122	70-130	06/07/16 16:51	
Toluene-d8 (S)	%	89	70-130	06/07/16 16:51	

LABORATORY CONTROL SAMPLE: 1345581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	49.1	98	67-130	
1,1,2-Trichloroethane	ug/L	50	54.4	109	70-130	
1,1-Dichloroethane	ug/L	50	45.0	90	70-133	
1,1-Dichloroethene	ug/L	50	40.1	80	70-130	
1,2,4-Trichlorobenzene	ug/L	50	39.2	78	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.8	80	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	51.2	102	70-130	
1,2-Dichlorobenzene	ug/L	50	46.8	94	70-130	
1,2-Dichloroethane	ug/L	50	50.1	100	70-130	
1,2-Dichloropropane	ug/L	50	57.0	114	70-130	
1,3-Dichlorobenzene	ug/L	50	44.2	88	70-130	
1,4-Dichlorobenzene	ug/L	50	49.2	98	70-130	
Benzene	ug/L	50	46.6	93	60-135	
Bromodichloromethane	ug/L	50	58.6	117	70-130	
Bromoform	ug/L	50	54.8	110	70-130	
Bromomethane	ug/L	50	31.6	63	33-130	
Carbon tetrachloride	ug/L	50	55.0	110	70-138	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

LABORATORY CONTROL SAMPLE: 1345581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	50	55.4	111	70-130	
Chloroethane	ug/L	50	42.1	84	51-130	
Chloroform	ug/L	50	42.9	86	70-130	
Chloromethane	ug/L	50	38.6	77	25-132	
cis-1,2-Dichloroethene	ug/L	50	42.3	85	69-130	
cis-1,3-Dichloropropene	ug/L	50	41.9	84	70-130	
Dibromochloromethane	ug/L	50	51.1	102	70-130	
Dichlorodifluoromethane	ug/L	50	30.1	60	23-130	
Ethylbenzene	ug/L	50	52.0	104	70-136	
Isopropylbenzene (Cumene)	ug/L	50	52.9	106	70-140	
Methyl-tert-butyl ether	ug/L	50	34.2	68	66-138	
Methylene Chloride	ug/L	50	43.6	87	70-130	
Styrene	ug/L	50	57.3	115	70-133	
Tetrachloroethene	ug/L	50	56.7	113	70-138	
Toluene	ug/L	50	53.2	106	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.5	87	70-131	
trans-1,3-Dichloropropene	ug/L	50	35.4	71	69-130	
Trichloroethene	ug/L	50	54.9	110	70-130	
Trichlorofluoromethane	ug/L	50	44.5	89	50-150	
Vinyl chloride	ug/L	50	39.9	80	49-130	
Xylene (Total)	ug/L	150	164	109	70-135	
4-Bromofluorobenzene (S)	%			108	70-130	
Dibromofluoromethane (S)	%			112	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346577 1346578

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40133278006 Result	Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	52.2	54.1	104	108	70-134	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	54.6	51.3	109	103	67-130	6	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	59.8	58.0	120	116	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	48.3	46.7	97	93	70-134	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	47.1	46.4	94	93	68-136	1	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	45.3	44.3	91	89	62-139	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	43.4	39.3	87	79	50-150	10	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	55.2	53.7	110	107	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	51.2	49.9	102	100	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	54.6	53.4	109	107	70-130	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	61.8	61.9	124	124	70-130	0	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.7	48.1	97	96	70-131	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	54.6	53.1	109	106	70-130	3	20	
Benzene	ug/L	<0.50	50	50	50.8	49.6	102	99	57-138	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	62.2	62.8	124	126	70-130	1	20	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346577		1346578		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40133278006 Result	MS Spike Conc.	MSD Spike Conc.	MSD Result								
Bromoform	ug/L	<0.50	50	50	59.3	56.4	119	113	70-130	5	20		
Bromomethane	ug/L	<2.4	50	50	35.9	37.5	71	74	33-130	4	27		
Carbon tetrachloride	ug/L	<0.50	50	50	59.5	58.2	119	116	70-138	2	20		
Chlorobenzene	ug/L	<0.50	50	50	58.7	58.1	117	116	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	44.6	44.6	89	89	51-130	0	20		
Chloroform	ug/L	<2.5	50	50	45.5	50.7	91	101	70-130	11	20		
Chloromethane	ug/L	3.8	50	50	43.5	44.5	79	81	25-132	2	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	47.6	44.4	95	89	61-140	7	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.3	47.5	95	95	70-130	0	20		
Dibromochloromethane	ug/L	<0.50	50	50	55.3	53.5	111	107	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	29.2	28.4	58	57	23-130	3	20		
Ethylbenzene	ug/L	<0.50	50	50	56.4	55.0	113	110	70-138	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	57.1	56.1	114	112	70-152	2	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	40.0	37.8	80	76	66-139	6	20		
Methylene Chloride	ug/L	<0.23	50	50	48.1	47.9	96	96	70-130	1	20		
Styrene	ug/L	<0.50	50	50	61.8	60.4	124	121	70-138	2	20		
Tetrachloroethene	ug/L	<0.50	50	50	61.4	59.4	123	119	70-148	3	20		
Toluene	ug/L	<0.50	50	50	57.2	55.9	114	112	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	50.0	48.1	100	96	70-133	4	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	40.2	38.3	80	77	69-130	5	20		
Trichloroethene	ug/L	<0.33	50	50	59.2	59.4	118	119	70-131	0	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	50.2	49.8	100	100	50-150	1	20		
Vinyl chloride	ug/L	<0.18	50	50	44.0	42.4	88	85	49-133	4	20		
Xylene (Total)	ug/L	<1.5	150	150	175	171	117	114	70-135	3	20		
4-Bromofluorobenzene (S)	%						109	108	70-130				
Dibromofluoromethane (S)	%						109	114	70-130				
Toluene-d8 (S)	%						95	93	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

QC Batch: MSV/33802 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40133278001, 40133278002, 40133278003, 40133278004, 40133278005

METHOD BLANK: 1345622 Matrix: Water
 Associated Lab Samples: 40133278001, 40133278002, 40133278003, 40133278004, 40133278005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/07/16 09:15	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/07/16 09:15	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/07/16 09:15	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/07/16 09:15	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/07/16 09:15	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/07/16 09:15	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/07/16 09:15	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/07/16 09:15	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/07/16 09:15	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/07/16 09:15	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/07/16 09:15	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/07/16 09:15	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/07/16 09:15	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 09:15	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/07/16 09:15	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/07/16 09:15	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/07/16 09:15	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 09:15	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/07/16 09:15	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 09:15	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/07/16 09:15	
2-Chlorotoluene	ug/L	<0.50	1.0	06/07/16 09:15	
4-Chlorotoluene	ug/L	<0.21	1.0	06/07/16 09:15	
Benzene	ug/L	<0.50	1.0	06/07/16 09:15	
Bromobenzene	ug/L	<0.23	1.0	06/07/16 09:15	
Bromochloromethane	ug/L	<0.34	1.0	06/07/16 09:15	
Bromodichloromethane	ug/L	<0.50	1.0	06/07/16 09:15	
Bromoform	ug/L	<0.50	1.0	06/07/16 09:15	
Bromomethane	ug/L	<2.4	5.0	06/07/16 09:15	
Carbon tetrachloride	ug/L	<0.50	1.0	06/07/16 09:15	
Chlorobenzene	ug/L	<0.50	1.0	06/07/16 09:15	
Chloroethane	ug/L	<0.37	1.0	06/07/16 09:15	
Chloroform	ug/L	<2.5	5.0	06/07/16 09:15	
Chloromethane	ug/L	<0.50	1.0	06/07/16 09:15	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/07/16 09:15	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/07/16 09:15	
Dibromochloromethane	ug/L	<0.50	1.0	06/07/16 09:15	
Dibromomethane	ug/L	<0.43	1.0	06/07/16 09:15	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/07/16 09:15	
Diisopropyl ether	ug/L	<0.50	1.0	06/07/16 09:15	
Ethylbenzene	ug/L	<0.50	1.0	06/07/16 09:15	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

METHOD BLANK: 1345622

Matrix: Water

Associated Lab Samples: 40133278001, 40133278002, 40133278003, 40133278004, 40133278005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/07/16 09:15	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/07/16 09:15	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/07/16 09:15	
Methylene Chloride	ug/L	<0.23	1.0	06/07/16 09:15	
n-Butylbenzene	ug/L	<0.50	1.0	06/07/16 09:15	
n-Propylbenzene	ug/L	<0.50	1.0	06/07/16 09:15	
Naphthalene	ug/L	<2.5	5.0	06/07/16 09:15	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/07/16 09:15	
sec-Butylbenzene	ug/L	<2.2	5.0	06/07/16 09:15	
Styrene	ug/L	<0.50	1.0	06/07/16 09:15	
tert-Butylbenzene	ug/L	<0.18	1.0	06/07/16 09:15	
Tetrachloroethene	ug/L	<0.50	1.0	06/07/16 09:15	
Toluene	ug/L	<0.50	1.0	06/07/16 09:15	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/07/16 09:15	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/07/16 09:15	
Trichloroethene	ug/L	<0.33	1.0	06/07/16 09:15	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/07/16 09:15	
Vinyl chloride	ug/L	<0.18	1.0	06/07/16 09:15	
Xylene (Total)	ug/L	<1.5	3.0	06/07/16 09:15	
4-Bromofluorobenzene (S)	%	86	70-130	06/07/16 09:15	
Dibromofluoromethane (S)	%	122	70-130	06/07/16 09:15	
Toluene-d8 (S)	%	90	70-130	06/07/16 09:15	

LABORATORY CONTROL SAMPLE: 1345623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.1	106	70-131	
1,1,2,2-Tetrachloroethane	ug/L	20	20.4	102	67-130	
1,1,2-Trichloroethane	ug/L	20	21.5	107	70-130	
1,1-Dichloroethane	ug/L	20	17.5	88	70-133	
1,1-Dichloroethene	ug/L	20	17.8	89	70-130	
1,2,4-Trichlorobenzene	ug/L	20	15.0	75	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	14.9	75	50-150	
1,2-Dibromoethane (EDB)	ug/L	20	19.0	95	70-130	
1,2-Dichlorobenzene	ug/L	20	20.3	102	70-130	
1,2-Dichloroethane	ug/L	20	20.8	104	70-130	
1,2-Dichloropropane	ug/L	20	23.4	117	70-130	
1,3-Dichlorobenzene	ug/L	20	17.8	89	70-130	
1,4-Dichlorobenzene	ug/L	20	23.0	115	70-130	
Benzene	ug/L	20	18.8	94	60-135	
Bromodichloromethane	ug/L	20	23.3	116	70-130	
Bromoform	ug/L	20	22.9	114	70-130	
Bromomethane	ug/L	20	12.8	64	33-130	
Carbon tetrachloride	ug/L	20	22.5	112	70-138	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

LABORATORY CONTROL SAMPLE: 1345623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	22.1	111	70-130	
Chloroethane	ug/L	20	17.9	89	51-130	
Chloroform	ug/L	20	20.0	100	70-130	
Chloromethane	ug/L	20	14.5	72	25-132	
cis-1,2-Dichloroethene	ug/L	20	18.2	91	69-130	
cis-1,3-Dichloropropene	ug/L	20	15.8	79	70-130	
Dibromochloromethane	ug/L	20	20.8	104	70-130	
Dichlorodifluoromethane	ug/L	20	12.0	60	23-130	
Ethylbenzene	ug/L	20	18.7	93	70-136	
Isopropylbenzene (Cumene)	ug/L	20	18.4	92	70-140	
Methyl-tert-butyl ether	ug/L	20	14.7	73	66-138	
Methylene Chloride	ug/L	20	18.2	91	70-130	
Styrene	ug/L	20	21.5	107	70-133	
Tetrachloroethene	ug/L	20	22.6	113	70-138	
Toluene	ug/L	20	20.8	104	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.1	95	70-131	
trans-1,3-Dichloropropene	ug/L	20	14.4	72	69-130	
Trichloroethene	ug/L	20	22.2	111	70-130	
Trichlorofluoromethane	ug/L	20	20.2	101	50-150	
Vinyl chloride	ug/L	20	16.7	83	49-130	
Xylene (Total)	ug/L	60	61.3	102	70-135	
4-Bromofluorobenzene (S)	%			106	70-130	
Dibromofluoromethane (S)	%			115	70-130	
Toluene-d8 (S)	%			90	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346111 1346112

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40133287001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	52.1	52.1	104	104	70-134	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	49.9	49.4	100	99	67-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	55.0	53.3	110	107	70-130	3	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	45.0	48.0	90	96	70-134	6	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	41.8	44.5	84	89	68-136	6	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	42.1	42.5	84	85	62-139	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	39.7	40.2	79	80	50-150	1	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	51.4	49.4	103	99	70-130	4	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	47.5	47.6	95	95	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	50.7	50.0	101	100	70-130	1	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	55.3	56.7	111	113	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	45.4	45.8	91	92	70-131	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.9	50.4	102	100	70-130	1	20		
Benzene	ug/L	<0.50	50	50	47.7	47.7	95	95	57-138	0	20		
Bromodichloromethane	ug/L	<0.50	50	50	59.0	59.4	118	119	70-130	1	20		

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346111		1346112		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		40133287001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Bromoform	ug/L	<0.50	50	50	55.6	53.0	111	106	70-130	5	20	
Bromomethane	ug/L	<2.4	50	50	32.4	34.7	65	69	33-130	7	27	
Carbon tetrachloride	ug/L	<0.50	50	50	56.3	56.4	113	113	70-138	0	20	
Chlorobenzene	ug/L	<0.50	50	50	54.9	53.4	110	107	70-130	3	20	
Chloroethane	ug/L	<0.37	50	50	42.0	41.3	84	83	51-130	2	20	
Chloroform	ug/L	<2.5	50	50	43.4	47.8	87	96	70-130	10	20	
Chloromethane	ug/L	<0.50	50	50	37.0	38.0	74	76	25-132	3	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	44.3	42.6	89	85	61-140	4	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	45.1	45.6	90	91	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	51.8	50.1	104	100	70-130	3	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	28.4	28.5	57	57	23-130	0	20	
Ethylbenzene	ug/L	<0.50	50	50	52.9	51.2	106	102	70-138	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	53.5	52.4	107	105	70-152	2	20	
Methyl-tert-butyl ether	ug/L	12.1	50	50	50.2	47.3	76	70	66-139	6	20	
Methylene Chloride	ug/L	<0.23	50	50	46.4	45.8	93	92	70-130	1	20	
Styrene	ug/L	<0.50	50	50	57.0	52.5	114	105	70-138	8	20	
Tetrachloroethene	ug/L	<0.50	50	50	58.0	56.1	116	112	70-148	3	20	
Toluene	ug/L	<0.50	50	50	53.1	52.2	105	104	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	46.5	44.8	93	90	70-133	4	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	39.4	38.4	79	77	69-130	3	20	
Trichloroethene	ug/L	<0.33	50	50	55.0	55.7	110	111	70-131	1	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	45.5	48.5	91	97	50-150	6	20	
Vinyl chloride	ug/L	<0.18	50	50	41.0	41.0	82	82	49-133	0	20	
Xylene (Total)	ug/L	<1.5	150	150	165	161	110	107	70-135	3	20	
4-Bromofluorobenzene (S)	%						107	104	70-130			
Dibromofluoromethane (S)	%						115	113	70-130			
Toluene-d8 (S)	%						95	91	70-130			

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT
Pace Project No.: 40133278

QC Batch: MSV/33805 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40133278008, 40133278009, 40133278010

METHOD BLANK: 1345674 Matrix: Water
Associated Lab Samples: 40133278008, 40133278009, 40133278010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/07/16 09:30	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/07/16 09:30	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/07/16 09:30	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/07/16 09:30	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/07/16 09:30	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/07/16 09:30	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/07/16 09:30	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/07/16 09:30	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/07/16 09:30	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/07/16 09:30	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/07/16 09:30	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/07/16 09:30	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/07/16 09:30	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 09:30	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/07/16 09:30	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/07/16 09:30	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/07/16 09:30	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 09:30	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/07/16 09:30	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/07/16 09:30	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/07/16 09:30	
2-Chlorotoluene	ug/L	<0.50	1.0	06/07/16 09:30	
4-Chlorotoluene	ug/L	<0.21	1.0	06/07/16 09:30	
Benzene	ug/L	<0.50	1.0	06/07/16 09:30	
Bromobenzene	ug/L	<0.23	1.0	06/07/16 09:30	
Bromochloromethane	ug/L	<0.34	1.0	06/07/16 09:30	
Bromodichloromethane	ug/L	<0.50	1.0	06/07/16 09:30	
Bromoform	ug/L	<0.50	1.0	06/07/16 09:30	
Bromomethane	ug/L	<2.4	5.0	06/07/16 09:30	
Carbon tetrachloride	ug/L	<0.50	1.0	06/07/16 09:30	
Chlorobenzene	ug/L	<0.50	1.0	06/07/16 09:30	
Chloroethane	ug/L	<0.37	1.0	06/07/16 09:30	
Chloroform	ug/L	<2.5	5.0	06/07/16 09:30	
Chloromethane	ug/L	<0.50	1.0	06/07/16 09:30	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/07/16 09:30	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/07/16 09:30	
Dibromochloromethane	ug/L	<0.50	1.0	06/07/16 09:30	
Dibromomethane	ug/L	<0.43	1.0	06/07/16 09:30	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/07/16 09:30	
Diisopropyl ether	ug/L	<0.50	1.0	06/07/16 09:30	
Ethylbenzene	ug/L	<0.50	1.0	06/07/16 09:30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

METHOD BLANK: 1345674

Matrix: Water

Associated Lab Samples: 40133278008, 40133278009, 40133278010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/07/16 09:30	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/07/16 09:30	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/07/16 09:30	
Methylene Chloride	ug/L	<0.23	1.0	06/07/16 09:30	
n-Butylbenzene	ug/L	<0.50	1.0	06/07/16 09:30	
n-Propylbenzene	ug/L	<0.50	1.0	06/07/16 09:30	
Naphthalene	ug/L	<2.5	5.0	06/07/16 09:30	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/07/16 09:30	
sec-Butylbenzene	ug/L	<2.2	5.0	06/07/16 09:30	
Styrene	ug/L	<0.50	1.0	06/07/16 09:30	
tert-Butylbenzene	ug/L	<0.18	1.0	06/07/16 09:30	
Tetrachloroethene	ug/L	<0.50	1.0	06/07/16 09:30	
Toluene	ug/L	<0.50	1.0	06/07/16 09:30	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/07/16 09:30	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/07/16 09:30	
Trichloroethene	ug/L	<0.33	1.0	06/07/16 09:30	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/07/16 09:30	
Vinyl chloride	ug/L	<0.18	1.0	06/07/16 09:30	
Xylene (Total)	ug/L	<1.5	3.0	06/07/16 09:30	
4-Bromofluorobenzene (S)	%	93	70-130	06/07/16 09:30	
Dibromofluoromethane (S)	%	98	70-130	06/07/16 09:30	
Toluene-d8 (S)	%	102	70-130	06/07/16 09:30	

LABORATORY CONTROL SAMPLE: 1345675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.7	93	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	48.5	97	67-130	
1,1,2-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1-Dichloroethane	ug/L	50	43.2	86	70-133	
1,1-Dichloroethene	ug/L	50	40.5	81	70-130	
1,2,4-Trichlorobenzene	ug/L	50	42.3	85	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.9	98	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	54.5	109	70-130	
1,2-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,2-Dichloroethane	ug/L	50	43.6	87	70-130	
1,2-Dichloropropane	ug/L	50	48.4	97	70-130	
1,3-Dichlorobenzene	ug/L	50	48.3	97	70-130	
1,4-Dichlorobenzene	ug/L	50	47.7	95	70-130	
Benzene	ug/L	50	44.6	89	60-135	
Bromodichloromethane	ug/L	50	48.7	97	70-130	
Bromoform	ug/L	50	51.9	104	70-130	
Bromomethane	ug/L	50	24.5	49	33-130	
Carbon tetrachloride	ug/L	50	47.4	95	70-138	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

LABORATORY CONTROL SAMPLE: 1345675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	50	51.8	104	70-130	
Chloroethane	ug/L	50	37.0	74	51-130	
Chloroform	ug/L	50	45.2	90	70-130	
Chloromethane	ug/L	50	25.7	51	25-132	
cis-1,2-Dichloroethene	ug/L	50	44.9	90	69-130	
cis-1,3-Dichloropropene	ug/L	50	47.7	95	70-130	
Dibromochloromethane	ug/L	50	52.8	106	70-130	
Dichlorodifluoromethane	ug/L	50	19.1	38	23-130	
Ethylbenzene	ug/L	50	52.3	105	70-136	
Isopropylbenzene (Cumene)	ug/L	50	54.0	108	70-140	
Methyl-tert-butyl ether	ug/L	50	45.0	90	66-138	
Methylene Chloride	ug/L	50	41.6	83	70-130	
Styrene	ug/L	50	55.2	110	70-133	
Tetrachloroethene	ug/L	50	50.4	101	70-138	
Toluene	ug/L	50	52.1	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.2	86	70-131	
trans-1,3-Dichloropropene	ug/L	50	50.1	100	69-130	
Trichloroethene	ug/L	50	48.7	97	70-130	
Trichlorofluoromethane	ug/L	50	41.1	82	50-150	
Vinyl chloride	ug/L	50	31.1	62	49-130	
Xylene (Total)	ug/L	150	165	110	70-135	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			95	70-130	
Toluene-d8 (S)	%			105	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346109 1346110

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40133303004	Result	Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	33.2	42.9	66	86	70-134	26	20	M1,R1	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	36.6	48.9	73	98	67-130	29	20	R1	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	36.6	48.3	73	97	70-130	28	20	R1	
1,1-Dichloroethane	ug/L	<0.24	50	50	31.0	39.8	62	80	70-134	25	20	M1,R1	
1,1-Dichloroethene	ug/L	<0.41	50	50	29.7	37.9	59	76	68-136	24	20	M1,R1	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	28.9	42.0	58	84	62-139	37	20	M1,R1	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	33.3	46.6	67	93	50-150	33	20	R1	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	39.4	51.9	79	104	70-130	27	20	R1	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	35.8	48.3	72	97	70-130	30	20	R1	
1,2-Dichloroethane	ug/L	<0.17	50	50	31.6	39.6	63	79	70-130	23	20	M1,R1	
1,2-Dichloropropane	ug/L	<0.23	50	50	35.6	46.5	71	93	70-130	27	20	R1	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	34.5	47.5	69	95	70-131	32	20	M1,R1	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	34.8	46.9	69	93	70-130	30	20	M1,R1	
Benzene	ug/L	<0.50	50	50	31.9	41.9	64	84	57-138	27	20	R1	
Bromodichloromethane	ug/L	<0.50	50	50	35.6	47.8	71	96	70-130	29	20	R1	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1346109		1346110		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40133303004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Bromoform	ug/L	<0.50	50	50	36.5	49.3	73	99	70-130	30	20	R1	
Bromomethane	ug/L	<2.4	50	50	18.7	24.3	36	47	33-130	26	27		
Carbon tetrachloride	ug/L	<0.50	50	50	33.1	43.4	66	87	70-138	27	20	M1,R1	
Chlorobenzene	ug/L	<0.50	50	50	37.7	48.2	75	96	70-130	25	20	R1	
Chloroethane	ug/L	<0.37	50	50	25.9	33.9	52	68	51-130	27	20	R1	
Chloroform	ug/L	<2.5	50	50	32.5	41.2	65	82	70-130	24	20	M1,R1	
Chloromethane	ug/L	<0.50	50	50	16.9	21.5	34	43	25-132	24	20	R1	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	31.3	40.0	63	80	61-140	24	20	R1	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	33.8	46.1	68	92	70-130	31	20	M1,R1	
Dibromochloromethane	ug/L	<0.50	50	50	36.7	49.8	73	100	70-130	30	20	R1	
Dichlorodifluoromethane	ug/L	<0.22	50	50	12.3	14.4	25	29	23-130	16	20		
Ethylbenzene	ug/L	<0.50	50	50	37.1	49.3	74	99	70-138	28	20	R1	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	37.2	51.2	74	102	70-152	32	20	R1	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	33.2	42.7	66	85	66-139	25	20	R1	
Methylene Chloride	ug/L	<0.23	50	50	30.6	37.6	61	75	70-130	21	20	M1,R1	
Styrene	ug/L	<0.50	50	50	39.5	53.2	79	106	70-138	30	20	R1	
Tetrachloroethene	ug/L	<0.50	50	50	36.2	48.7	72	97	70-148	29	20	R1	
Toluene	ug/L	<0.50	50	50	38.2	49.2	76	98	70-130	25	20	R1	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	31.0	40.1	62	80	70-133	26	20	M1,R1	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	35.4	47.3	71	95	69-130	29	20	R1	
Trichloroethene	ug/L	<0.33	50	50	35.4	46.4	71	93	70-131	27	20	R1	
Trichlorofluoromethane	ug/L	<0.18	50	50	29.2	37.5	58	75	50-150	25	20	R1	
Vinyl chloride	ug/L	<0.18	50	50	22.1	28.0	44	56	49-133	24	20	M1,R1	
Xylene (Total)	ug/L	<1.5	150	150	115	157	77	105	70-135	31	20	RS	
4-Bromofluorobenzene (S)	%						101	100	70-130				
Dibromofluoromethane (S)	%						94	92	70-130				
Toluene-d8 (S)	%						105	104	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

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

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

RS The RPD value in one of the constituent analytes was outside the control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 SMOKE-OUT

Pace Project No.: 40133278

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40133278001	MW-1	EPA 8260	MSV/33802		
40133278002	MW-2	EPA 8260	MSV/33802		
40133278003	MW-3	EPA 8260	MSV/33802		
40133278004	MW-4	EPA 8260	MSV/33802		
40133278005	MW-5	EPA 8260	MSV/33802		
40133278006	MW-6	EPA 8260	MSV/33795		
40133278007	MW-7	EPA 8260	MSV/33795		
40133278008	MW-8	EPA 8260	MSV/33805		
40133278009	MW-9	EPA 8260	MSV/33805		
40133278010	TRIP BLANK	EPA 8260	MSV/33805		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Giles Engineering
 Branch/Location: Waukesha WI
 Project Contact: Steve Owens
 Phone: 262-544-0118
 Project Number: IE-1105023
 Project Name: Smoke-out
 Project State: WI
 Sampled By (Print): Kelly Hayden
 Sampled By (Sign): *[Signature]*



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

40133278

Page 40 of 41

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

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analysis Requested	Matrix																	
			1	2	3	4	5	6	7	8	9	10								
N	B	VOC	X																	

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

Same

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
7 day TNT	B-40 ml B	
	2-40 ml B	

PO #: _____ Regulatory Program: _____

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		MATRIX
		DATE	TIME	
001	mw-1	6/2/16	1515	W
002	mw-2	6/2/16	1610	
003	mw-3	6/2/16	1545	
004	mw-4	6/3/16	1050	
005	mw-5	6/2/16	1640	
006	mw-6	6/2/16	1710	
007	mw-7	6/3/16	850	
008	mw-8		1010	
009	mw-9		925	
010	Trip Blank			

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

Transmit Prelim Rush Results by (complete what you want):
 Email #1: *sowens@gileseng.com*
 Email #2: _____
 Telephone: _____
 Fax: _____

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

Relinquished By: <i>[Signature]</i>	Date/Time: 6/3/16 1257	Received By: <i>[Signature]</i>	Date/Time: 6/3/16 1257
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____

PACE Project No.
40133278

Receipt Temp = 20.5 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact



Sample Condition Upon Receipt

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

Project # WO#: 40133278

Client Name: Giles

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: /Corr: 201 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

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

Person examining contents:
Date: 6-3-16
Initials: MV

Comments:

Table with 15 rows of inspection items and checkboxes. Items include Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, Containers Intact, Sample Labels match COC, Headspace in VOA Vials, Trip Blank Present, etc.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution: 3 vials returned unused 6-3-16 MV

Project Manager Review: [Signature] Date: 6-3-16

October 11, 2016

Steve Owens
Giles Engineering Associates, Inc.
N8 W22350 Johnson Road
Waukesha, WI 53186

RE: Project: 1E-1105023 SMOKE OUT-GREEN BAY
Pace Project No.: 40139210

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on September 29, 2016. 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,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP Certification ID: 460263

Virginia VELAP ID: 460263

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40139210001	MW-1	Water	09/28/16 15:50	09/29/16 11:32
40139210002	MW-2	Water	09/29/16 08:30	09/29/16 11:32
40139210003	MW-3	Water	09/28/16 16:30	09/29/16 11:32
40139210004	MW-4	Water	09/29/16 10:25	09/29/16 11:32
40139210005	MW-5	Water	09/28/16 14:50	09/29/16 11:32
40139210006	MW-6	Water	09/28/16 14:15	09/29/16 11:32
40139210007	MW-7	Water	09/28/16 12:20	09/29/16 11:32
40139210008	MW-8	Water	09/28/16 12:55	09/29/16 11:32
40139210009	MW-9	Water	09/28/16 13:35	09/29/16 11:32
40139210010	TRIP BLANK	Water	09/28/16 00:00	09/29/16 11:32

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SAMPLE ANALYTE COUNT

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40139210001	MW-1	EPA 8260	LAP	63	PASI-G
40139210002	MW-2	EPA 8260	LAP	63	PASI-G
40139210003	MW-3	EPA 8260	LAP	63	PASI-G
40139210004	MW-4	EPA 8260	LAP	63	PASI-G
40139210005	MW-5	EPA 8260	LAP	63	PASI-G
40139210006	MW-6	EPA 8260	HNW	63	PASI-G
40139210007	MW-7	EPA 8260	HNW	63	PASI-G
40139210008	MW-8	EPA 8260	HNW	63	PASI-G
40139210009	MW-9	EPA 8260	HNW	63	PASI-G
40139210010	TRIP BLANK	EPA 8260	HNW	63	PASI-G

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40139210001	MW-1					
EPA 8260	cis-1,2-Dichloroethene	40.6	ug/L	1.0	10/06/16 11:01	
EPA 8260	Tetrachloroethene	5.3	ug/L	1.0	10/06/16 11:01	
EPA 8260	Trichloroethene	5.3	ug/L	1.0	10/06/16 11:01	
EPA 8260	Vinyl chloride	4.5	ug/L	1.0	10/06/16 11:01	
40139210002	MW-2					
EPA 8260	cis-1,2-Dichloroethene	1.6	ug/L	1.0	10/06/16 20:20	
40139210003	MW-3					
EPA 8260	cis-1,2-Dichloroethene	336	ug/L	4.0	10/06/16 10:38	
EPA 8260	Tetrachloroethene	5.5	ug/L	4.0	10/06/16 10:38	
EPA 8260	Trichloroethene	5.9	ug/L	4.0	10/06/16 10:38	
EPA 8260	Vinyl chloride	7.0	ug/L	4.0	10/06/16 10:38	
40139210004	MW-4					
EPA 8260	1,1-Dichloroethene	0.84J	ug/L	1.0	10/06/16 21:04	
EPA 8260	cis-1,2-Dichloroethene	49.8	ug/L	1.0	10/06/16 21:04	
EPA 8260	Tetrachloroethene	9.1	ug/L	1.0	10/06/16 21:04	
EPA 8260	Trichloroethene	19.2	ug/L	1.0	10/06/16 21:04	
EPA 8260	Vinyl chloride	1.0	ug/L	1.0	10/06/16 21:04	
40139210007	MW-7					
EPA 8260	cis-1,2-Dichloroethene	13.8	ug/L	1.0	10/05/16 13:05	
EPA 8260	Tetrachloroethene	117	ug/L	1.0	10/05/16 13:05	
EPA 8260	Trichloroethene	14.3	ug/L	1.0	10/05/16 13:05	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-1 **Lab ID: 40139210001** Collected: 09/28/16 15:50 Received: 09/29/16 11:32 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		10/06/16 11:01	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/06/16 11:01	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/06/16 11:01	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/06/16 11:01	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/06/16 11:01	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/06/16 11:01	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/06/16 11:01	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/06/16 11:01	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/06/16 11:01	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/06/16 11:01	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/06/16 11:01	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/06/16 11:01	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/06/16 11:01	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/06/16 11:01	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/06/16 11:01	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/06/16 11:01	75-35-4	
cis-1,2-Dichloroethene	40.6	ug/L	1.0	0.26	1		10/06/16 11:01	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/06/16 11:01	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/06/16 11:01	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/06/16 11:01	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/06/16 11:01	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/06/16 11:01	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/06/16 11:01	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/06/16 11:01	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/06/16 11:01	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/06/16 11:01	1634-04-4	L2
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/06/16 11:01	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/06/16 11:01	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-1 **Lab ID: 40139210001** Collected: 09/28/16 15:50 Received: 09/29/16 11:32 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		10/06/16 11:01	79-34-5	
Tetrachloroethene	5.3	ug/L	1.0	0.50	1		10/06/16 11:01	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/06/16 11:01	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/06/16 11:01	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/06/16 11:01	79-00-5	
Trichloroethene	5.3	ug/L	1.0	0.33	1		10/06/16 11:01	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/06/16 11:01	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 11:01	108-67-8	
Vinyl chloride	4.5	ug/L	1.0	0.18	1		10/06/16 11:01	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/06/16 11:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	76	%	70-130		1		10/06/16 11:01	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		10/06/16 11:01	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		10/06/16 11:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-2 **Lab ID: 40139210002** Collected: 09/29/16 08:30 Received: 09/29/16 11:32 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		10/06/16 20:20	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/06/16 20:20	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/06/16 20:20	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/06/16 20:20	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/06/16 20:20	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/06/16 20:20	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/06/16 20:20	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/06/16 20:20	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/06/16 20:20	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/06/16 20:20	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/06/16 20:20	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/06/16 20:20	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/06/16 20:20	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/06/16 20:20	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/06/16 20:20	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/06/16 20:20	75-35-4	
cis-1,2-Dichloroethene	1.6	ug/L	1.0	0.26	1		10/06/16 20:20	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/06/16 20:20	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/06/16 20:20	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/06/16 20:20	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/06/16 20:20	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/06/16 20:20	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/06/16 20:20	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/06/16 20:20	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/06/16 20:20	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/06/16 20:20	1634-04-4	L2
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/06/16 20:20	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/06/16 20:20	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-2 **Lab ID: 40139210002** Collected: 09/29/16 08:30 Received: 09/29/16 11:32 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		10/06/16 20:20	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/06/16 20:20	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/06/16 20:20	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/06/16 20:20	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/06/16 20:20	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/06/16 20:20	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:20	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/06/16 20:20	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/06/16 20:20	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	77	%	70-130		1		10/06/16 20:20	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		10/06/16 20:20	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		10/06/16 20:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-3 **Lab ID: 40139210003** Collected: 09/28/16 16:30 Received: 09/29/16 11:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		10/06/16 10:38	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		10/06/16 10:38	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		10/06/16 10:38	74-83-9	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	104-51-8	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		10/06/16 10:38	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		10/06/16 10:38	98-06-6	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	108-90-7	
Chloroethane	<1.5	ug/L	4.0	1.5	4		10/06/16 10:38	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		10/06/16 10:38	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	74-87-3	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	95-49-8	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		10/06/16 10:38	106-43-4	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		10/06/16 10:38	96-12-8	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		10/06/16 10:38	106-93-4	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		10/06/16 10:38	74-95-3	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	95-50-1	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	106-46-7	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		10/06/16 10:38	75-71-8	
1,1-Dichloroethane	<0.97	ug/L	4.0	0.97	4		10/06/16 10:38	75-34-3	
1,2-Dichloroethane	<0.67	ug/L	4.0	0.67	4		10/06/16 10:38	107-06-2	
1,1-Dichloroethene	<1.6	ug/L	4.0	1.6	4		10/06/16 10:38	75-35-4	
cis-1,2-Dichloroethene	336	ug/L	4.0	1.0	4		10/06/16 10:38	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	4.0	1.0	4		10/06/16 10:38	156-60-5	
1,2-Dichloropropane	<0.93	ug/L	4.0	0.93	4		10/06/16 10:38	78-87-5	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	142-28-9	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		10/06/16 10:38	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		10/06/16 10:38	563-58-6	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	10061-01-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		10/06/16 10:38	10061-02-6	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		10/06/16 10:38	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		10/06/16 10:38	98-82-8	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	99-87-6	
Methylene Chloride	<0.93	ug/L	4.0	0.93	4		10/06/16 10:38	75-09-2	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		10/06/16 10:38	1634-04-4	L2
Naphthalene	<10.0	ug/L	20.0	10.0	4		10/06/16 10:38	91-20-3	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	103-65-1	
Styrene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.72	ug/L	4.0	0.72	4		10/06/16 10:38	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-3 **Lab ID: 40139210003** Collected: 09/28/16 16:30 Received: 09/29/16 11:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		10/06/16 10:38	79-34-5	
Tetrachloroethene	5.5	ug/L	4.0	2.0	4		10/06/16 10:38	127-18-4	
Toluene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	108-88-3	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		10/06/16 10:38	87-61-6	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		10/06/16 10:38	120-82-1	
1,1,1-Trichloroethane	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	71-55-6	
1,1,2-Trichloroethane	<0.79	ug/L	4.0	0.79	4		10/06/16 10:38	79-00-5	
Trichloroethene	5.9	ug/L	4.0	1.3	4		10/06/16 10:38	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		10/06/16 10:38	75-69-4	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	96-18-4	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	95-63-6	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		10/06/16 10:38	108-67-8	
Vinyl chloride	7.0	ug/L	4.0	0.70	4		10/06/16 10:38	75-01-4	
Xylene (Total)	<6.0	ug/L	12.0	6.0	4		10/06/16 10:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	77	%	70-130		4		10/06/16 10:38	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		4		10/06/16 10:38	1868-53-7	
Toluene-d8 (S)	84	%	70-130		4		10/06/16 10:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-4 Lab ID: 40139210004 Collected: 09/29/16 10:25 Received: 09/29/16 11:32 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		10/06/16 21:04	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/06/16 21:04	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/06/16 21:04	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/06/16 21:04	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/06/16 21:04	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/06/16 21:04	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/06/16 21:04	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/06/16 21:04	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/06/16 21:04	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/06/16 21:04	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/06/16 21:04	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/06/16 21:04	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/06/16 21:04	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/06/16 21:04	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/06/16 21:04	107-06-2	
1,1-Dichloroethene	0.84J	ug/L	1.0	0.41	1		10/06/16 21:04	75-35-4	
cis-1,2-Dichloroethene	49.8	ug/L	1.0	0.26	1		10/06/16 21:04	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/06/16 21:04	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/06/16 21:04	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/06/16 21:04	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/06/16 21:04	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/06/16 21:04	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/06/16 21:04	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/06/16 21:04	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/06/16 21:04	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/06/16 21:04	1634-04-4	L2
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/06/16 21:04	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/06/16 21:04	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-4 **Lab ID: 40139210004** Collected: 09/29/16 10:25 Received: 09/29/16 11:32 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		10/06/16 21:04	79-34-5	
Tetrachloroethene	9.1	ug/L	1.0	0.50	1		10/06/16 21:04	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/06/16 21:04	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/06/16 21:04	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/06/16 21:04	79-00-5	
Trichloroethene	19.2	ug/L	1.0	0.33	1		10/06/16 21:04	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/06/16 21:04	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 21:04	108-67-8	
Vinyl chloride	1.0	ug/L	1.0	0.18	1		10/06/16 21:04	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/06/16 21:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	76	%	70-130		1		10/06/16 21:04	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/06/16 21:04	1868-53-7	
Toluene-d8 (S)	83	%	70-130		1		10/06/16 21:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-5 **Lab ID: 40139210005** Collected: 09/28/16 14:50 Received: 09/29/16 11:32 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		10/06/16 20:42	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/06/16 20:42	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/06/16 20:42	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/06/16 20:42	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/06/16 20:42	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/06/16 20:42	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/06/16 20:42	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/06/16 20:42	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/06/16 20:42	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/06/16 20:42	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/06/16 20:42	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/06/16 20:42	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/06/16 20:42	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/06/16 20:42	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/06/16 20:42	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/06/16 20:42	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/06/16 20:42	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/06/16 20:42	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/06/16 20:42	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/06/16 20:42	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/06/16 20:42	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/06/16 20:42	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/06/16 20:42	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/06/16 20:42	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/06/16 20:42	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/06/16 20:42	1634-04-4	L2
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/06/16 20:42	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/06/16 20:42	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-5 **Lab ID: 40139210005** Collected: 09/28/16 14:50 Received: 09/29/16 11:32 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		10/06/16 20:42	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/06/16 20:42	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/06/16 20:42	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/06/16 20:42	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/06/16 20:42	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/06/16 20:42	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/06/16 20:42	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/06/16 20:42	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/06/16 20:42	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	77	%	70-130		1		10/06/16 20:42	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		10/06/16 20:42	1868-53-7	
Toluene-d8 (S)	85	%	70-130		1		10/06/16 20:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-6 **Lab ID: 40139210006** Collected: 09/28/16 14:15 Received: 09/29/16 11:32 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		10/05/16 08:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/05/16 08:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/05/16 08:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/05/16 08:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 08:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/05/16 08:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/05/16 08:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/05/16 08:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/05/16 08:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/05/16 08:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/05/16 08:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/05/16 08:07	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/05/16 08:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/16 08:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/05/16 08:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/05/16 08:07	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 08:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 08:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/05/16 08:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/05/16 08:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/05/16 08:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/05/16 08:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/05/16 08:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/05/16 08:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/05/16 08:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/05/16 08:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/05/16 08:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/05/16 08:07	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-6 **Lab ID: 40139210006** Collected: 09/28/16 14:15 Received: 09/29/16 11:32 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		10/05/16 08:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/05/16 08:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 08:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/05/16 08:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/05/16 08:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/05/16 08:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 08:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/05/16 08:07	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/16 08:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		10/05/16 08:07	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		10/05/16 08:07	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/05/16 08:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-7 **Lab ID: 40139210007** Collected: 09/28/16 12:20 Received: 09/29/16 11:32 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		10/05/16 13:05	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/05/16 13:05	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/05/16 13:05	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/05/16 13:05	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 13:05	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/05/16 13:05	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/05/16 13:05	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/05/16 13:05	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/05/16 13:05	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/05/16 13:05	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/05/16 13:05	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/05/16 13:05	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/05/16 13:05	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/16 13:05	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/05/16 13:05	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/05/16 13:05	75-35-4	
cis-1,2-Dichloroethene	13.8	ug/L	1.0	0.26	1		10/05/16 13:05	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 13:05	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/05/16 13:05	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/05/16 13:05	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/05/16 13:05	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/05/16 13:05	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/05/16 13:05	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/05/16 13:05	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/05/16 13:05	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/05/16 13:05	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/05/16 13:05	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/05/16 13:05	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-7 **Lab ID: 40139210007** Collected: 09/28/16 12:20 Received: 09/29/16 11:32 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		10/05/16 13:05	79-34-5	
Tetrachloroethene	117	ug/L	1.0	0.50	1		10/05/16 13:05	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/05/16 13:05	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 13:05	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/05/16 13:05	79-00-5	
Trichloroethene	14.3	ug/L	1.0	0.33	1		10/05/16 13:05	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/05/16 13:05	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 13:05	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/05/16 13:05	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/16 13:05	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		10/05/16 13:05	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		10/05/16 13:05	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/05/16 13:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-8 **Lab ID: 40139210008** Collected: 09/28/16 12:55 Received: 09/29/16 11:32 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		10/05/16 15:18	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/05/16 15:18	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/05/16 15:18	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/05/16 15:18	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 15:18	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/05/16 15:18	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/05/16 15:18	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/05/16 15:18	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/05/16 15:18	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/05/16 15:18	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/05/16 15:18	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/05/16 15:18	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/05/16 15:18	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/16 15:18	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/05/16 15:18	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/05/16 15:18	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 15:18	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 15:18	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/05/16 15:18	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/05/16 15:18	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/05/16 15:18	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/05/16 15:18	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/05/16 15:18	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/05/16 15:18	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/05/16 15:18	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/05/16 15:18	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/05/16 15:18	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/05/16 15:18	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-8 **Lab ID: 40139210008** Collected: 09/28/16 12:55 Received: 09/29/16 11:32 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		10/05/16 15:18	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/05/16 15:18	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 15:18	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/05/16 15:18	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/05/16 15:18	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/05/16 15:18	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:18	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/05/16 15:18	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/16 15:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		10/05/16 15:18	460-00-4	
Dibromofluoromethane (S)	128	%	70-130		1		10/05/16 15:18	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/16 15:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-9 **Lab ID: 40139210009** Collected: 09/28/16 13:35 Received: 09/29/16 11:32 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		10/05/16 15:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/05/16 15:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/05/16 15:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/05/16 15:40	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 15:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/05/16 15:40	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/05/16 15:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/05/16 15:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/05/16 15:40	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/05/16 15:40	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/05/16 15:40	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/05/16 15:40	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/05/16 15:40	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/16 15:40	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/05/16 15:40	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/05/16 15:40	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 15:40	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 15:40	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/05/16 15:40	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/05/16 15:40	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/05/16 15:40	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/05/16 15:40	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/05/16 15:40	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/05/16 15:40	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/05/16 15:40	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/05/16 15:40	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/05/16 15:40	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/05/16 15:40	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: MW-9 **Lab ID: 40139210009** Collected: 09/28/16 13:35 Received: 09/29/16 11:32 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		10/05/16 15:40	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/05/16 15:40	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 15:40	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/05/16 15:40	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/05/16 15:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/05/16 15:40	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 15:40	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/05/16 15:40	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/16 15:40	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-130		1		10/05/16 15:40	460-00-4	
Dibromofluoromethane (S)	129	%	70-130		1		10/05/16 15:40	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/05/16 15:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: TRIP BLANK **Lab ID: 40139210010** Collected: 09/28/16 00:00 Received: 09/29/16 11:32 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		10/05/16 09:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/05/16 09:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/05/16 09:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/05/16 09:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 09:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/05/16 09:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/05/16 09:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/05/16 09:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/05/16 09:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/05/16 09:37	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/05/16 09:37	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/05/16 09:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/05/16 09:37	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/16 09:37	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/05/16 09:37	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/05/16 09:37	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 09:37	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/16 09:37	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/05/16 09:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/05/16 09:37	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/05/16 09:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/05/16 09:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/05/16 09:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/05/16 09:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/05/16 09:37	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/05/16 09:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/05/16 09:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/05/16 09:37	630-20-6	

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ANALYTICAL RESULTS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Sample: TRIP BLANK **Lab ID: 40139210010** Collected: 09/28/16 00:00 Received: 09/29/16 11:32 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		10/05/16 09:37	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/05/16 09:37	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/05/16 09:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/05/16 09:37	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/05/16 09:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/05/16 09:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/05/16 09:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/05/16 09:37	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/16 09:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		10/05/16 09:37	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		10/05/16 09:37	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/05/16 09:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

QC Batch: 236881 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40139210006, 40139210007, 40139210008, 40139210009, 40139210010

METHOD BLANK: 1404397 Matrix: Water
Associated Lab Samples: 40139210006, 40139210007, 40139210008, 40139210009, 40139210010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/05/16 06:16	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/05/16 06:16	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/05/16 06:16	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/05/16 06:16	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/05/16 06:16	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/05/16 06:16	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/05/16 06:16	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/05/16 06:16	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/05/16 06:16	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/05/16 06:16	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/05/16 06:16	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/05/16 06:16	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/05/16 06:16	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/05/16 06:16	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/05/16 06:16	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/05/16 06:16	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/05/16 06:16	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/05/16 06:16	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/05/16 06:16	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/05/16 06:16	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/05/16 06:16	
2-Chlorotoluene	ug/L	<0.50	1.0	10/05/16 06:16	
4-Chlorotoluene	ug/L	<0.21	1.0	10/05/16 06:16	
Benzene	ug/L	<0.50	1.0	10/05/16 06:16	
Bromobenzene	ug/L	<0.23	1.0	10/05/16 06:16	
Bromochloromethane	ug/L	<0.34	1.0	10/05/16 06:16	
Bromodichloromethane	ug/L	<0.50	1.0	10/05/16 06:16	
Bromoform	ug/L	<0.50	1.0	10/05/16 06:16	
Bromomethane	ug/L	<2.4	5.0	10/05/16 06:16	
Carbon tetrachloride	ug/L	<0.50	1.0	10/05/16 06:16	
Chlorobenzene	ug/L	<0.50	1.0	10/05/16 06:16	
Chloroethane	ug/L	<0.37	1.0	10/05/16 06:16	
Chloroform	ug/L	<2.5	5.0	10/05/16 06:16	
Chloromethane	ug/L	<0.50	1.0	10/05/16 06:16	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/05/16 06:16	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/05/16 06:16	
Dibromochloromethane	ug/L	<0.50	1.0	10/05/16 06:16	
Dibromomethane	ug/L	<0.43	1.0	10/05/16 06:16	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/05/16 06:16	
Diisopropyl ether	ug/L	<0.50	1.0	10/05/16 06:16	
Ethylbenzene	ug/L	<0.50	1.0	10/05/16 06:16	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE OUT-GREEN BAY
Pace Project No.: 40139210

METHOD BLANK: 1404397 Matrix: Water
Associated Lab Samples: 40139210006, 40139210007, 40139210008, 40139210009, 40139210010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/05/16 06:16	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/05/16 06:16	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/05/16 06:16	
Methylene Chloride	ug/L	<0.23	1.0	10/05/16 06:16	
n-Butylbenzene	ug/L	<0.50	1.0	10/05/16 06:16	
n-Propylbenzene	ug/L	<0.50	1.0	10/05/16 06:16	
Naphthalene	ug/L	<2.5	5.0	10/05/16 06:16	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/05/16 06:16	
sec-Butylbenzene	ug/L	<2.2	5.0	10/05/16 06:16	
Styrene	ug/L	<0.50	1.0	10/05/16 06:16	
tert-Butylbenzene	ug/L	<0.18	1.0	10/05/16 06:16	
Tetrachloroethene	ug/L	<0.50	1.0	10/05/16 06:16	
Toluene	ug/L	<0.50	1.0	10/05/16 06:16	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/05/16 06:16	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/05/16 06:16	
Trichloroethene	ug/L	<0.33	1.0	10/05/16 06:16	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/05/16 06:16	
Vinyl chloride	ug/L	<0.18	1.0	10/05/16 06:16	
Xylene (Total)	ug/L	<1.5	3.0	10/05/16 06:16	
4-Bromofluorobenzene (S)	%	84	70-130	10/05/16 06:16	
Dibromofluoromethane (S)	%	98	70-130	10/05/16 06:16	
Toluene-d8 (S)	%	98	70-130	10/05/16 06:16	

LABORATORY CONTROL SAMPLE: 1404398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.2	100	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	67-130	
1,1,2-Trichloroethane	ug/L	50	53.1	106	70-130	
1,1-Dichloroethane	ug/L	50	54.7	109	70-133	
1,1-Dichloroethene	ug/L	50	47.1	94	70-130	
1,2,4-Trichlorobenzene	ug/L	50	41.4	83	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.0	92	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	70-130	
1,2-Dichlorobenzene	ug/L	50	46.3	93	70-130	
1,2-Dichloroethane	ug/L	50	51.4	103	70-130	
1,2-Dichloropropane	ug/L	50	55.5	111	70-130	
1,3-Dichlorobenzene	ug/L	50	44.2	88	70-130	
1,4-Dichlorobenzene	ug/L	50	46.4	93	70-130	
Benzene	ug/L	50	48.8	98	60-135	
Bromodichloromethane	ug/L	50	54.6	109	70-130	
Bromoform	ug/L	50	48.7	97	70-130	
Bromomethane	ug/L	50	30.5	61	33-130	
Carbon tetrachloride	ug/L	50	53.7	107	70-138	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

LABORATORY CONTROL SAMPLE: 1404398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	50	52.1	104	70-130	
Chloroethane	ug/L	50	43.4	87	51-130	
Chloroform	ug/L	50	48.8	98	70-130	
Chloromethane	ug/L	50	30.5	61	25-132	
cis-1,2-Dichloroethene	ug/L	50	52.4	105	69-130	
cis-1,3-Dichloropropene	ug/L	50	37.0	74	70-130	
Dibromochloromethane	ug/L	50	53.9	108	70-130	
Dichlorodifluoromethane	ug/L	50	24.2	48	23-130	
Ethylbenzene	ug/L	50	51.7	103	70-136	
Isopropylbenzene (Cumene)	ug/L	50	54.4	109	70-140	
Methyl-tert-butyl ether	ug/L	50	52.4	105	66-138	
Methylene Chloride	ug/L	50	51.7	103	70-130	
Styrene	ug/L	50	52.5	105	70-133	
Tetrachloroethene	ug/L	50	49.9	100	70-138	
Toluene	ug/L	50	52.7	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.0	102	70-131	
trans-1,3-Dichloropropene	ug/L	50	36.4	73	69-130	
Trichloroethene	ug/L	50	52.0	104	70-130	
Trichlorofluoromethane	ug/L	50	48.1	96	50-150	
Vinyl chloride	ug/L	50	41.4	83	49-130	
Xylene (Total)	ug/L	150	161	107	70-135	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			98	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405066 1405067

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139210006 Result	MS Spike Conc.	MSD Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	60.8	54.8	122	110	70-134	10	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	49.5	51.6	99	103	67-130	4	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	55.7	57.8	111	116	70-130	4	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	56.6	60.4	113	121	70-134	6	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	61.0	55.3	122	111	68-136	10	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	45.5	48.4	91	97	62-139	6	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.9	49.1	94	98	50-150	5	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	55.3	58.1	111	116	70-130	5	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.1	50.2	96	100	70-130	4	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	59.9	54.4	120	109	70-130	10	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	58.1	59.5	116	119	70-130	2	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	46.9	49.6	94	99	70-131	5	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.7	51.0	97	102	70-130	5	20		
Benzene	ug/L	<0.50	50	50	58.2	53.1	116	106	57-138	9	20		
Bromodichloromethane	ug/L	<0.50	50	50	57.3	59.2	115	118	70-130	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1405066		1405067		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40139210006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Bromoform	ug/L	<0.50	50	50	50.2	53.1	100	106	70-130	6	20	
Bromomethane	ug/L	<2.4	50	50	47.7	44.5	95	89	33-130	7	27	
Carbon tetrachloride	ug/L	<0.50	50	50	64.5	58.6	129	117	70-138	10	20	
Chlorobenzene	ug/L	<0.50	50	50	54.6	57.4	109	115	70-130	5	20	
Chloroethane	ug/L	<0.37	50	50	58.9	53.4	118	107	51-130	10	20	
Chloroform	ug/L	<2.5	50	50	54.9	51.9	110	104	70-130	6	20	
Chloromethane	ug/L	<0.50	50	50	45.1	44.0	90	88	25-132	2	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	55.3	57.0	111	114	61-140	3	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	43.4	45.4	87	91	70-130	5	20	
Dibromochloromethane	ug/L	<0.50	50	50	56.9	59.3	114	119	70-130	4	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	42.2	38.7	84	77	23-130	9	20	
Ethylbenzene	ug/L	<0.50	50	50	54.5	58.0	109	116	70-138	6	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	57.0	60.4	114	121	70-152	6	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	62.4	56.8	125	114	66-139	9	20	
Methylene Chloride	ug/L	<0.23	50	50	62.9	57.3	126	115	70-130	9	20	
Styrene	ug/L	<0.50	50	50	54.8	59.0	110	118	70-138	7	20	
Tetrachloroethene	ug/L	<0.50	50	50	54.0	57.5	108	115	70-148	6	20	
Toluene	ug/L	<0.50	50	50	55.4	59.0	111	118	70-130	6	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	62.3	57.5	125	115	70-133	8	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	42.3	45.1	85	90	69-130	6	20	
Trichloroethene	ug/L	<0.33	50	50	54.7	56.7	109	113	70-131	4	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	63.4	57.9	127	116	50-150	9	20	
Vinyl chloride	ug/L	<0.18	50	50	60.2	56.0	120	112	49-133	7	20	
Xylene (Total)	ug/L	<1.5	150	150	168	181	112	120	70-135	7	20	
4-Bromofluorobenzene (S)	%						103	107	70-130			
Dibromofluoromethane (S)	%						112	98	70-130			
Toluene-d8 (S)	%						98	102	70-130			

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

QC Batch: 237033 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40139210001, 40139210002, 40139210003, 40139210004, 40139210005

METHOD BLANK: 1404750 Matrix: Water
Associated Lab Samples: 40139210001, 40139210002, 40139210003, 40139210004, 40139210005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/06/16 07:26	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/06/16 07:26	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/06/16 07:26	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/06/16 07:26	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/06/16 07:26	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/06/16 07:26	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/06/16 07:26	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/06/16 07:26	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/06/16 07:26	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/06/16 07:26	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/06/16 07:26	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/06/16 07:26	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/06/16 07:26	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/06/16 07:26	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/06/16 07:26	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/06/16 07:26	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/06/16 07:26	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/06/16 07:26	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/06/16 07:26	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/06/16 07:26	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/06/16 07:26	
2-Chlorotoluene	ug/L	<0.50	1.0	10/06/16 07:26	
4-Chlorotoluene	ug/L	<0.21	1.0	10/06/16 07:26	
Benzene	ug/L	<0.50	1.0	10/06/16 07:26	
Bromobenzene	ug/L	<0.23	1.0	10/06/16 07:26	
Bromochloromethane	ug/L	<0.34	1.0	10/06/16 07:26	
Bromodichloromethane	ug/L	<0.50	1.0	10/06/16 07:26	
Bromoform	ug/L	<0.50	1.0	10/06/16 07:26	
Bromomethane	ug/L	<2.4	5.0	10/06/16 07:26	
Carbon tetrachloride	ug/L	<0.50	1.0	10/06/16 07:26	
Chlorobenzene	ug/L	<0.50	1.0	10/06/16 07:26	
Chloroethane	ug/L	<0.37	1.0	10/06/16 07:26	
Chloroform	ug/L	<2.5	5.0	10/06/16 07:26	
Chloromethane	ug/L	<0.50	1.0	10/06/16 07:26	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/06/16 07:26	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/06/16 07:26	
Dibromochloromethane	ug/L	<0.50	1.0	10/06/16 07:26	
Dibromomethane	ug/L	<0.43	1.0	10/06/16 07:26	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/06/16 07:26	
Diisopropyl ether	ug/L	<0.50	1.0	10/06/16 07:26	
Ethylbenzene	ug/L	<0.50	1.0	10/06/16 07:26	

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

METHOD BLANK: 1404750

Matrix: Water

Associated Lab Samples: 40139210001, 40139210002, 40139210003, 40139210004, 40139210005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/06/16 07:26	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/06/16 07:26	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/06/16 07:26	
Methylene Chloride	ug/L	<0.23	1.0	10/06/16 07:26	
n-Butylbenzene	ug/L	<0.50	1.0	10/06/16 07:26	
n-Propylbenzene	ug/L	<0.50	1.0	10/06/16 07:26	
Naphthalene	ug/L	<2.5	5.0	10/06/16 07:26	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/06/16 07:26	
sec-Butylbenzene	ug/L	<2.2	5.0	10/06/16 07:26	
Styrene	ug/L	<0.50	1.0	10/06/16 07:26	
tert-Butylbenzene	ug/L	<0.18	1.0	10/06/16 07:26	
Tetrachloroethene	ug/L	<0.50	1.0	10/06/16 07:26	
Toluene	ug/L	<0.50	1.0	10/06/16 07:26	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/06/16 07:26	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/06/16 07:26	
Trichloroethene	ug/L	<0.33	1.0	10/06/16 07:26	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/06/16 07:26	
Vinyl chloride	ug/L	<0.18	1.0	10/06/16 07:26	
Xylene (Total)	ug/L	<1.5	3.0	10/06/16 07:26	
4-Bromofluorobenzene (S)	%	77	70-130	10/06/16 07:26	
Dibromofluoromethane (S)	%	101	70-130	10/06/16 07:26	
Toluene-d8 (S)	%	86	70-130	10/06/16 07:26	

LABORATORY CONTROL SAMPLE: 1404751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.9	90	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	38.0	76	67-130	
1,1,2-Trichloroethane	ug/L	50	39.7	79	70-130	
1,1-Dichloroethane	ug/L	50	50.3	101	70-133	
1,1-Dichloroethene	ug/L	50	47.1	94	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.9	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	26.2	52	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	37.6	75	70-130	
1,2-Dichlorobenzene	ug/L	50	49.2	98	70-130	
1,2-Dichloroethane	ug/L	50	37.0	74	70-130	
1,2-Dichloropropane	ug/L	50	50.8	102	70-130	
1,3-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,4-Dichlorobenzene	ug/L	50	51.5	103	70-130	
Benzene	ug/L	50	49.7	99	60-135	
Bromodichloromethane	ug/L	50	44.9	90	70-130	
Bromoform	ug/L	50	37.5	75	70-130	
Bromomethane	ug/L	50	42.9	86	33-130	
Carbon tetrachloride	ug/L	50	48.3	97	70-138	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

LABORATORY CONTROL SAMPLE: 1404751

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	50	52.0	104	70-130	
Chloroethane	ug/L	50	55.9	112	51-130	
Chloroform	ug/L	50	44.2	88	70-130	
Chloromethane	ug/L	50	53.7	107	25-132	
cis-1,2-Dichloroethene	ug/L	50	40.3	81	69-130	
cis-1,3-Dichloropropene	ug/L	50	42.1	84	70-130	
Dibromochloromethane	ug/L	50	39.4	79	70-130	
Dichlorodifluoromethane	ug/L	50	49.2	98	23-130	
Ethylbenzene	ug/L	50	49.8	100	70-136	
Isopropylbenzene (Cumene)	ug/L	50	51.7	103	70-140	
Methyl-tert-butyl ether	ug/L	50	32.3	65	66-138 L0	
Methylene Chloride	ug/L	50	43.6	87	70-130	
Styrene	ug/L	50	49.3	99	70-133	
Tetrachloroethene	ug/L	50	55.7	111	70-138	
Toluene	ug/L	50	51.4	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.0	94	70-131	
trans-1,3-Dichloropropene	ug/L	50	36.0	72	69-130	
Trichloroethene	ug/L	50	52.7	105	70-130	
Trichlorofluoromethane	ug/L	50	53.2	106	50-150	
Vinyl chloride	ug/L	50	59.5	119	49-130	
Xylene (Total)	ug/L	150	151	101	70-135	
4-Bromofluorobenzene (S)	%			87	70-130	
Dibromofluoromethane (S)	%			89	70-130	
Toluene-d8 (S)	%			92	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1404758 1404759

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40139389003 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1-Trichloroethane	ug/L	8.0	50	50	51.8	50.0	88	84	70-134	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	37.8	38.1	76	76	67-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	39.2	38.1	78	76	70-130	3	20		
1,1-Dichloroethane	ug/L	7.5	50	50	56.1	53.0	97	91	70-134	6	20		
1,1-Dichloroethene	ug/L	1.2	50	50	48.1	43.9	94	86	68-136	9	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.8	48.9	98	98	62-139	0	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	29.1	25.4	58	51	50-150	14	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	38.1	37.0	76	74	70-130	3	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	50.9	49.4	102	99	70-130	3	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	38.7	36.8	77	74	70-130	5	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	50.0	48.6	100	97	70-130	3	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	51.5	50.8	103	102	70-131	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	52.6	52.1	105	104	70-130	1	20		
Benzene	ug/L	<0.50	50	50	48.3	46.6	97	93	57-138	4	20		
Bromodichloromethane	ug/L	<0.50	50	50	45.2	45.6	90	91	70-130	1	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Parameter	Units	40139389003		1404758		1404759		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Bromoform	ug/L	<0.50	50	50	37.0	34.6	74	69	70-130	7	20	M1	
Bromomethane	ug/L	<2.4	50	50	44.4	47.2	89	94	33-130	6	27		
Carbon tetrachloride	ug/L	<0.50	50	50	49.5	44.9	99	90	70-138	10	20		
Chlorobenzene	ug/L	<0.50	50	50	51.8	50.1	104	100	70-130	3	20		
Chloroethane	ug/L	<0.37	50	50	55.5	51.9	111	104	51-130	7	20		
Chloroform	ug/L	<2.5	50	50	45.3	42.8	91	86	70-130	6	20		
Chloromethane	ug/L	<0.50	50	50	53.3	50.9	107	102	25-132	5	20		
cis-1,2-Dichloroethene	ug/L	2.2	50	50	44.6	39.9	85	75	61-140	11	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	40.7	37.8	81	76	70-130	7	20		
Dibromochloromethane	ug/L	<0.50	50	50	39.6	37.1	79	74	70-130	7	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	47.4	41.8	95	84	23-130	13	20		
Ethylbenzene	ug/L	<0.50	50	50	50.7	48.1	101	96	70-138	5	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	54.6	51.5	109	103	70-152	6	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	32.5	30.1	65	60	66-139	7	20	M0	
Methylene Chloride	ug/L	<0.23	50	50	44.6	41.3	89	83	70-130	8	20		
Styrene	ug/L	<0.50	50	50	45.5	42.1	91	84	70-138	8	20		
Tetrachloroethene	ug/L	<0.50	50	50	53.5	53.5	107	107	70-148	0	20		
Toluene	ug/L	<0.50	50	50	50.3	50.9	101	102	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	48.6	44.7	97	89	70-133	8	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	35.3	33.4	71	67	69-130	6	20	M1	
Trichloroethene	ug/L	2.6	50	50	54.0	53.1	103	101	70-131	2	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	53.2	48.2	106	96	50-150	10	20		
Vinyl chloride	ug/L	<0.18	50	50	61.5	57.1	123	114	49-133	7	20		
Xylene (Total)	ug/L	<1.5	150	150	153	144	102	96	70-135	6	20		
4-Bromofluorobenzene (S)	%						91	86	70-130				
Dibromofluoromethane (S)	%						90	86	70-130				
Toluene-d8 (S)	%						89	90	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

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

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1E-1105023 SMOKE OUT-GREEN BAY

Pace Project No.: 40139210

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40139210001	MW-1	EPA 8260	237033		
40139210002	MW-2	EPA 8260	237033		
40139210003	MW-3	EPA 8260	237033		
40139210004	MW-4	EPA 8260	237033		
40139210005	MW-5	EPA 8260	237033		
40139210006	MW-6	EPA 8260	236881		
40139210007	MW-7	EPA 8260	236881		
40139210008	MW-8	EPA 8260	236881		
40139210009	MW-9	EPA 8260	236881		
40139210010	TRIP BLANK	EPA 8260	236881		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Giles Engineering
 Branch/Location: Waukesha, WI
 Project Contact: Steve Owens
 Phone: 262-544-0118
 Project Number: IE-1105D23
 Project Name: Smoke Out - Green Bay
 Project State: WI
 Sampled By (Print): Kelly Hayden
 Sampled By (Sign): Ky H



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

40139210

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

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y / M	N																		
Pick Letter	B																		
Analyses Requested	VOC	X																	

PO #: _____ Regulatory Program: _____

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		MATRIX
		DATE	TIME	
001	MW-1	9/28/16	1556	GL
002	MW-2	9/29/16	530	
003	MW-3	9/28/16	1630	
004	MW-4	9/29/16	1025	
005	MW-5	9/28/16	1450	
006	MW-6	9/28/16	1415	
007	MW-7	9/28/16	1220	
008	MW-8	9/28/16	1255	
009	MW-9	9/28/16	1335	
010	Trip Blank			

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	3-40m/VB	
	1-40m/VB	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: <u>7 day</u> Transmit Prelim Rush Results by (complete what you want): Email #1: <u>soyens@gilesengr.com</u> Email #2: <u>khayden@gilesengr.com</u> Telephone: _____ Fax: _____ Samples on HOLD are subject to special pricing and release of liability	Relinquished By: <u>Ky H</u> Date/Time: <u>9/29/16 1132</u> Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____	Received By: <u>[Signature] Pace</u> Date/Time: <u>9/29/16 1132</u> Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____	PACE Project No. <u>40139210</u> Receipt Temp = <u>ROT °C</u> Sample Receipt pH <u>-OK / Adjusted</u> Cooler Custody Seal Present (Not Present) <u>Intact / Not Intact</u>
--	---	---	---

Sample Condition Upon Receipt

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

Pace Analytical
Client Name: Giles Eng.

Project # **WO#: 40139210**



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 NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROT /Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

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

Person examining contents:
Date: 9/29/16
Initials: BJH

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <u>VOA</u> , Coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>31de</u>		

Client Notification/ Resolution: _____
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____
If checked, see attached form for additional comments

Project Manager Review: [Signature] Date: 9-29-16

March 17, 2017

Steve Owens
Giles Engineering Associates, Inc.
N8 W22350 Johnson Road
Waukesha, WI 53186

RE: Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2017. 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,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40146790001	MW-1	Water	03/15/17 09:50	03/15/17 12:50
40146790002	MW-2	Water	03/15/17 10:45	03/15/17 12:50
40146790003	MW-3	Water	03/15/17 10:15	03/15/17 12:50
40146790004	MW-4	Water	03/15/17 11:50	03/15/17 12:50
40146790005	MW-5	Water	03/14/17 17:50	03/15/17 12:50
40146790006	MW-6	Water	03/14/17 16:55	03/15/17 12:50
40146790007	MW-7	Water	03/14/17 14:05	03/15/17 12:50
40146790008	MW-8	Water	03/14/17 15:25	03/15/17 12:50
40146790009	MW-9	Water	03/14/17 16:15	03/15/17 12:50
40146790010	PZ-1	Water	03/15/17 08:05	03/15/17 12:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40146790001	MW-1	EPA 8260	HNW	63	PASI-G
40146790002	MW-2	EPA 8260	HNW	63	PASI-G
40146790003	MW-3	EPA 8260	HNW	63	PASI-G
40146790004	MW-4	EPA 8260	HNW	63	PASI-G
40146790005	MW-5	EPA 8260	HNW	63	PASI-G
40146790006	MW-6	EPA 8260	HNW	63	PASI-G
40146790007	MW-7	EPA 8260	HNW	63	PASI-G
40146790008	MW-8	EPA 8260	HNW	63	PASI-G
40146790009	MW-9	EPA 8260	HNW	63	PASI-G
40146790010	PZ-1	EPA 8260	HNW	63	PASI-G

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SUMMARY OF DETECTION

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40146790001	MW-1					
EPA 8260	cis-1,2-Dichloroethene	96.7	ug/L	1.0	03/16/17 09:41	
EPA 8260	trans-1,2-Dichloroethene	2.2	ug/L	1.0	03/16/17 09:41	
EPA 8260	Tetrachloroethene	12.4	ug/L	1.0	03/16/17 09:41	
EPA 8260	Trichloroethene	5.0	ug/L	1.0	03/16/17 09:41	
EPA 8260	Vinyl chloride	17.7	ug/L	1.0	03/16/17 09:41	
40146790002	MW-2					
EPA 8260	cis-1,2-Dichloroethene	3.7	ug/L	1.0	03/16/17 10:26	
EPA 8260	Tetrachloroethene	1.3	ug/L	1.0	03/16/17 10:26	
EPA 8260	Trichloroethene	0.35J	ug/L	1.0	03/16/17 10:26	
40146790003	MW-3					
EPA 8260	cis-1,2-Dichloroethene	556	ug/L	4.0	03/16/17 10:04	
EPA 8260	trans-1,2-Dichloroethene	14.7	ug/L	4.0	03/16/17 10:04	
EPA 8260	Tetrachloroethene	3.9J	ug/L	4.0	03/16/17 10:04	
EPA 8260	Trichloroethene	6.3	ug/L	4.0	03/16/17 10:04	
EPA 8260	Vinyl chloride	11.4	ug/L	4.0	03/16/17 10:04	
40146790004	MW-4					
EPA 8260	1,1-Dichloroethene	0.91J	ug/L	1.0	03/16/17 17:38	
EPA 8260	cis-1,2-Dichloroethene	82.5	ug/L	1.0	03/16/17 17:38	
EPA 8260	trans-1,2-Dichloroethene	2.1	ug/L	1.0	03/16/17 17:38	
EPA 8260	Tetrachloroethene	19.3	ug/L	1.0	03/16/17 17:38	
EPA 8260	Trichloroethene	17.4	ug/L	1.0	03/16/17 17:38	
EPA 8260	Vinyl chloride	0.78J	ug/L	1.0	03/16/17 17:38	
40146790007	MW-7					
EPA 8260	Tetrachloroethene	0.85J	ug/L	1.0	03/16/17 20:37	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-1 **Lab ID: 40146790001** Collected: 03/15/17 09:50 Received: 03/15/17 12:50 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		03/16/17 09:41	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 09:41	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 09:41	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 09:41	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 09:41	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 09:41	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 09:41	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 09:41	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 09:41	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 09:41	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 09:41	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 09:41	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 09:41	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 09:41	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 09:41	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 09:41	75-35-4	
cis-1,2-Dichloroethene	96.7	ug/L	1.0	0.26	1		03/16/17 09:41	156-59-2	
trans-1,2-Dichloroethene	2.2	ug/L	1.0	0.26	1		03/16/17 09:41	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 09:41	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 09:41	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 09:41	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 09:41	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 09:41	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 09:41	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 09:41	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 09:41	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 09:41	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 09:41	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-1 **Lab ID: 40146790001** Collected: 03/15/17 09:50 Received: 03/15/17 12:50 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		03/16/17 09:41	79-34-5	
Tetrachloroethene	12.4	ug/L	1.0	0.50	1		03/16/17 09:41	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 09:41	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 09:41	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 09:41	79-00-5	
Trichloroethene	5.0	ug/L	1.0	0.33	1		03/16/17 09:41	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 09:41	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 09:41	108-67-8	
Vinyl chloride	17.7	ug/L	1.0	0.18	1		03/16/17 09:41	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 09:41	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 09:41	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		03/16/17 09:41	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/17 09:41	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

Sample: MW-2 **Lab ID: 40146790002** Collected: 03/15/17 10:45 Received: 03/15/17 12:50 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		03/16/17 10:26	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 10:26	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 10:26	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 10:26	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 10:26	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 10:26	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 10:26	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 10:26	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 10:26	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 10:26	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 10:26	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 10:26	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 10:26	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 10:26	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 10:26	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 10:26	75-35-4	
cis-1,2-Dichloroethene	3.7	ug/L	1.0	0.26	1		03/16/17 10:26	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 10:26	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 10:26	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 10:26	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 10:26	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 10:26	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 10:26	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 10:26	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 10:26	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 10:26	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 10:26	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 10:26	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-2 **Lab ID: 40146790002** Collected: 03/15/17 10:45 Received: 03/15/17 12:50 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		03/16/17 10:26	79-34-5	
Tetrachloroethene	1.3	ug/L	1.0	0.50	1		03/16/17 10:26	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 10:26	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 10:26	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 10:26	79-00-5	
Trichloroethene	0.35J	ug/L	1.0	0.33	1		03/16/17 10:26	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 10:26	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 10:26	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 10:26	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 10:26	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 10:26	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		03/16/17 10:26	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/17 10:26	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-3 Lab ID: 40146790003 Collected: 03/15/17 10:15 Received: 03/15/17 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		03/16/17 10:04	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		03/16/17 10:04	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		03/16/17 10:04	74-83-9	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	104-51-8	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		03/16/17 10:04	135-98-8	
tert-Butylbenzene	<0.72	ug/L	4.0	0.72	4		03/16/17 10:04	98-06-6	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	108-90-7	
Chloroethane	<1.5	ug/L	4.0	1.5	4		03/16/17 10:04	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		03/16/17 10:04	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	74-87-3	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	95-49-8	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		03/16/17 10:04	106-43-4	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		03/16/17 10:04	96-12-8	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		03/16/17 10:04	106-93-4	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		03/16/17 10:04	74-95-3	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	95-50-1	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	541-73-1	
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	106-46-7	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		03/16/17 10:04	75-71-8	
1,1-Dichloroethane	<0.97	ug/L	4.0	0.97	4		03/16/17 10:04	75-34-3	
1,2-Dichloroethane	<0.67	ug/L	4.0	0.67	4		03/16/17 10:04	107-06-2	
1,1-Dichloroethene	<1.6	ug/L	4.0	1.6	4		03/16/17 10:04	75-35-4	
cis-1,2-Dichloroethene	556	ug/L	4.0	1.0	4		03/16/17 10:04	156-59-2	
trans-1,2-Dichloroethene	14.7	ug/L	4.0	1.0	4		03/16/17 10:04	156-60-5	
1,2-Dichloropropane	<0.93	ug/L	4.0	0.93	4		03/16/17 10:04	78-87-5	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	142-28-9	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		03/16/17 10:04	594-20-7	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		03/16/17 10:04	563-58-6	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	10061-01-5	
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		03/16/17 10:04	10061-02-6	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		03/16/17 10:04	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		03/16/17 10:04	98-82-8	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	99-87-6	
Methylene Chloride	<0.93	ug/L	4.0	0.93	4		03/16/17 10:04	75-09-2	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		03/16/17 10:04	1634-04-4	
Naphthalene	<10.0	ug/L	20.0	10.0	4		03/16/17 10:04	91-20-3	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	103-65-1	
Styrene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.72	ug/L	4.0	0.72	4		03/16/17 10:04	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-3 **Lab ID: 40146790003** Collected: 03/15/17 10:15 Received: 03/15/17 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		03/16/17 10:04	79-34-5	
Tetrachloroethene	3.9J	ug/L	4.0	2.0	4		03/16/17 10:04	127-18-4	
Toluene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	108-88-3	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		03/16/17 10:04	87-61-6	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		03/16/17 10:04	120-82-1	
1,1,1-Trichloroethane	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	71-55-6	
1,1,2-Trichloroethane	<0.79	ug/L	4.0	0.79	4		03/16/17 10:04	79-00-5	
Trichloroethene	6.3	ug/L	4.0	1.3	4		03/16/17 10:04	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		03/16/17 10:04	75-69-4	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	96-18-4	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	95-63-6	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		03/16/17 10:04	108-67-8	
Vinyl chloride	11.4	ug/L	4.0	0.70	4		03/16/17 10:04	75-01-4	
Xylene (Total)	<6.0	ug/L	12.0	6.0	4		03/16/17 10:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		4		03/16/17 10:04	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		4		03/16/17 10:04	1868-53-7	
Toluene-d8 (S)	100	%	70-130		4		03/16/17 10:04	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

Sample: MW-4 **Lab ID: 40146790004** Collected: 03/15/17 11:50 Received: 03/15/17 12:50 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		03/16/17 17:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 17:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 17:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 17:38	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 17:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 17:38	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 17:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 17:38	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 17:38	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 17:38	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 17:38	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 17:38	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 17:38	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 17:38	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 17:38	107-06-2	
1,1-Dichloroethene	0.91J	ug/L	1.0	0.41	1		03/16/17 17:38	75-35-4	
cis-1,2-Dichloroethene	82.5	ug/L	1.0	0.26	1		03/16/17 17:38	156-59-2	
trans-1,2-Dichloroethene	2.1	ug/L	1.0	0.26	1		03/16/17 17:38	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 17:38	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 17:38	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 17:38	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 17:38	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 17:38	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 17:38	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 17:38	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 17:38	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 17:38	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 17:38	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-4 **Lab ID: 40146790004** Collected: 03/15/17 11:50 Received: 03/15/17 12:50 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		03/16/17 17:38	79-34-5	
Tetrachloroethene	19.3	ug/L	1.0	0.50	1		03/16/17 17:38	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 17:38	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 17:38	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 17:38	79-00-5	
Trichloroethene	17.4	ug/L	1.0	0.33	1		03/16/17 17:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 17:38	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 17:38	108-67-8	
Vinyl chloride	0.78J	ug/L	1.0	0.18	1		03/16/17 17:38	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 17:38	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		03/16/17 17:38	460-00-4	
Dibromofluoromethane (S)	117	%	70-130		1		03/16/17 17:38	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/17 17:38	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-5 **Lab ID: 40146790005** Collected: 03/14/17 17:50 Received: 03/15/17 12:50 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		03/16/17 19:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 19:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 19:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 19:52	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 19:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 19:52	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 19:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 19:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 19:52	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 19:52	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 19:52	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 19:52	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 19:52	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 19:52	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 19:52	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 19:52	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 19:52	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 19:52	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 19:52	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 19:52	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 19:52	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 19:52	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 19:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 19:52	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 19:52	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 19:52	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 19:52	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 19:52	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-5 **Lab ID: 40146790005** Collected: 03/14/17 17:50 Received: 03/15/17 12:50 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		03/16/17 19:52	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 19:52	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 19:52	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 19:52	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 19:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 19:52	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 19:52	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 19:52	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 19:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 19:52	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		03/16/17 19:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/16/17 19:52	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-6 **Lab ID: 40146790006** Collected: 03/14/17 16:55 Received: 03/15/17 12:50 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		03/16/17 20:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 20:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 20:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 20:15	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 20:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 20:15	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 20:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 20:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 20:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 20:15	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 20:15	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 20:15	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 20:15	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 20:15	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 20:15	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 20:15	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 20:15	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 20:15	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 20:15	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 20:15	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 20:15	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 20:15	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 20:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 20:15	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 20:15	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 20:15	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 20:15	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 20:15	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-6 **Lab ID: 40146790006** Collected: 03/14/17 16:55 Received: 03/15/17 12:50 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		03/16/17 20:15	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 20:15	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 20:15	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 20:15	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 20:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 20:15	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:15	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 20:15	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 20:15	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		03/16/17 20:15	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		03/16/17 20:15	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/17 20:15	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

Sample: MW-7 **Lab ID: 40146790007** Collected: 03/14/17 14:05 Received: 03/15/17 12:50 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		03/16/17 20:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 20:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 20:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 20:37	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 20:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 20:37	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 20:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 20:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 20:37	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 20:37	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 20:37	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 20:37	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 20:37	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 20:37	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 20:37	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 20:37	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 20:37	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 20:37	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 20:37	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 20:37	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 20:37	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 20:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 20:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 20:37	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 20:37	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 20:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 20:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 20:37	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-7 **Lab ID: 40146790007** Collected: 03/14/17 14:05 Received: 03/15/17 12:50 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		03/16/17 20:37	79-34-5	
Tetrachloroethene	0.85J	ug/L	1.0	0.50	1		03/16/17 20:37	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 20:37	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 20:37	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 20:37	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 20:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 20:37	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 20:37	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 20:37	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 20:37	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		03/16/17 20:37	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/16/17 20:37	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-8 **Lab ID: 40146790008** Collected: 03/14/17 15:25 Received: 03/15/17 12:50 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		03/16/17 20:59	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 20:59	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 20:59	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 20:59	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 20:59	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 20:59	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 20:59	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 20:59	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 20:59	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 20:59	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 20:59	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 20:59	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 20:59	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 20:59	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 20:59	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 20:59	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 20:59	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 20:59	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 20:59	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 20:59	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 20:59	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 20:59	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 20:59	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 20:59	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 20:59	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 20:59	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 20:59	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 20:59	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-8 **Lab ID: 40146790008** Collected: 03/14/17 15:25 Received: 03/15/17 12:50 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		03/16/17 20:59	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 20:59	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 20:59	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 20:59	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 20:59	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 20:59	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 20:59	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 20:59	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 20:59	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 20:59	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		03/16/17 20:59	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/17 20:59	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

Sample: MW-9 **Lab ID: 40146790009** Collected: 03/14/17 16:15 Received: 03/15/17 12:50 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		03/16/17 21:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 21:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 21:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 21:22	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 21:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 21:22	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 21:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 21:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 21:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 21:22	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 21:22	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 21:22	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 21:22	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 21:22	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 21:22	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 21:22	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 21:22	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 21:22	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 21:22	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 21:22	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 21:22	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 21:22	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 21:22	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 21:22	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 21:22	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 21:22	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 21:22	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 21:22	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Sample: MW-9 **Lab ID: 40146790009** Collected: 03/14/17 16:15 Received: 03/15/17 12:50 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		03/16/17 21:22	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 21:22	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 21:22	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 21:22	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 21:22	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 21:22	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:22	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 21:22	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 21:22	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 21:22	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		03/16/17 21:22	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/16/17 21:22	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

Sample: PZ-1 **Lab ID: 40146790010** Collected: 03/15/17 08:05 Received: 03/15/17 12:50 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		03/16/17 21:44	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 21:44	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 21:44	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 21:44	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 21:44	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 21:44	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 21:44	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 21:44	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 21:44	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 21:44	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 21:44	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 21:44	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 21:44	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 21:44	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 21:44	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 21:44	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 21:44	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 21:44	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 21:44	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 21:44	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 21:44	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 21:44	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 21:44	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 21:44	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 21:44	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 21:44	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 21:44	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 21:44	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

Sample: PZ-1 **Lab ID: 40146790010** Collected: 03/15/17 08:05 Received: 03/15/17 12:50 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		03/16/17 21:44	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 21:44	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 21:44	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 21:44	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 21:44	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 21:44	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 21:44	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 21:44	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 21:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 21:44	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		03/16/17 21:44	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/17 21:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

QC Batch: 250369 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40146790001, 40146790002, 40146790003

METHOD BLANK: 1477928 Matrix: Water

Associated Lab Samples: 40146790001, 40146790002, 40146790003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	03/16/17 07:04	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	03/16/17 07:04	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	03/16/17 07:04	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	03/16/17 07:04	
1,1-Dichloroethane	ug/L	<0.24	1.0	03/16/17 07:04	
1,1-Dichloroethene	ug/L	<0.41	1.0	03/16/17 07:04	
1,1-Dichloropropene	ug/L	<0.44	1.0	03/16/17 07:04	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	03/16/17 07:04	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	03/16/17 07:04	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	03/16/17 07:04	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	03/16/17 07:04	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	03/16/17 07:04	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	03/16/17 07:04	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 07:04	
1,2-Dichloroethane	ug/L	<0.17	1.0	03/16/17 07:04	
1,2-Dichloropropane	ug/L	<0.23	1.0	03/16/17 07:04	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	03/16/17 07:04	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 07:04	
1,3-Dichloropropane	ug/L	<0.50	1.0	03/16/17 07:04	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 07:04	
2,2-Dichloropropane	ug/L	<0.48	1.0	03/16/17 07:04	
2-Chlorotoluene	ug/L	<0.50	1.0	03/16/17 07:04	
4-Chlorotoluene	ug/L	<0.21	1.0	03/16/17 07:04	
Benzene	ug/L	<0.50	1.0	03/16/17 07:04	
Bromobenzene	ug/L	<0.23	1.0	03/16/17 07:04	
Bromochloromethane	ug/L	<0.34	1.0	03/16/17 07:04	
Bromodichloromethane	ug/L	<0.50	1.0	03/16/17 07:04	
Bromoform	ug/L	<0.50	1.0	03/16/17 07:04	
Bromomethane	ug/L	<2.4	5.0	03/16/17 07:04	
Carbon tetrachloride	ug/L	<0.50	1.0	03/16/17 07:04	
Chlorobenzene	ug/L	<0.50	1.0	03/16/17 07:04	
Chloroethane	ug/L	<0.37	1.0	03/16/17 07:04	
Chloroform	ug/L	<2.5	5.0	03/16/17 07:04	
Chloromethane	ug/L	<0.50	1.0	03/16/17 07:04	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	03/16/17 07:04	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	03/16/17 07:04	
Dibromochloromethane	ug/L	<0.50	1.0	03/16/17 07:04	
Dibromomethane	ug/L	<0.43	1.0	03/16/17 07:04	
Dichlorodifluoromethane	ug/L	<0.22	1.0	03/16/17 07:04	
Diisopropyl ether	ug/L	<0.50	1.0	03/16/17 07:04	
Ethylbenzene	ug/L	<0.50	1.0	03/16/17 07:04	

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

METHOD BLANK: 1477928

Matrix: Water

Associated Lab Samples: 40146790001, 40146790002, 40146790003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	03/16/17 07:04	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	03/16/17 07:04	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	03/16/17 07:04	
Methylene Chloride	ug/L	<0.23	1.0	03/16/17 07:04	
n-Butylbenzene	ug/L	<0.50	1.0	03/16/17 07:04	
n-Propylbenzene	ug/L	<0.50	1.0	03/16/17 07:04	
Naphthalene	ug/L	<2.5	5.0	03/16/17 07:04	
p-Isopropyltoluene	ug/L	<0.50	1.0	03/16/17 07:04	
sec-Butylbenzene	ug/L	<2.2	5.0	03/16/17 07:04	
Styrene	ug/L	<0.50	1.0	03/16/17 07:04	
tert-Butylbenzene	ug/L	<0.18	1.0	03/16/17 07:04	
Tetrachloroethene	ug/L	<0.50	1.0	03/16/17 07:04	
Toluene	ug/L	<0.50	1.0	03/16/17 07:04	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	03/16/17 07:04	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	03/16/17 07:04	
Trichloroethene	ug/L	<0.33	1.0	03/16/17 07:04	
Trichlorofluoromethane	ug/L	<0.18	1.0	03/16/17 07:04	
Vinyl chloride	ug/L	<0.18	1.0	03/16/17 07:04	
Xylene (Total)	ug/L	<1.5	3.0	03/16/17 07:04	
4-Bromofluorobenzene (S)	%	103	70-130	03/16/17 07:04	
Dibromofluoromethane (S)	%	111	70-130	03/16/17 07:04	
Toluene-d8 (S)	%	101	70-130	03/16/17 07:04	

LABORATORY CONTROL SAMPLE: 1477929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.3	109	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	67-130	
1,1,2-Trichloroethane	ug/L	50	50.2	100	70-130	
1,1-Dichloroethane	ug/L	50	54.9	110	70-133	
1,1-Dichloroethene	ug/L	50	53.7	107	70-130	
1,2,4-Trichlorobenzene	ug/L	50	47.1	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.9	102	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	101	70-130	
1,2-Dichlorobenzene	ug/L	50	48.3	97	70-130	
1,2-Dichloroethane	ug/L	50	51.2	102	70-130	
1,2-Dichloropropane	ug/L	50	51.4	103	70-130	
1,3-Dichlorobenzene	ug/L	50	48.9	98	70-130	
1,4-Dichlorobenzene	ug/L	50	48.8	98	70-130	
Benzene	ug/L	50	52.3	105	60-135	
Bromodichloromethane	ug/L	50	48.9	98	70-130	
Bromoform	ug/L	50	41.7	83	70-130	
Bromomethane	ug/L	50	30.1	60	33-130	
Carbon tetrachloride	ug/L	50	53.6	107	70-138	

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

LABORATORY CONTROL SAMPLE: 1477929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	50	49.4	99	70-130	
Chloroethane	ug/L	50	44.6	89	51-130	
Chloroform	ug/L	50	52.3	105	70-130	
Chloromethane	ug/L	50	37.5	75	25-132	
cis-1,2-Dichloroethene	ug/L	50	54.5	109	69-130	
cis-1,3-Dichloropropene	ug/L	50	49.7	99	70-130	
Dibromochloromethane	ug/L	50	46.4	93	70-130	
Dichlorodifluoromethane	ug/L	50	27.8	56	23-130	
Ethylbenzene	ug/L	50	52.6	105	70-136	
Isopropylbenzene (Cumene)	ug/L	50	52.7	105	70-140	
Methyl-tert-butyl ether	ug/L	50	56.0	112	66-138	
Methylene Chloride	ug/L	50	51.8	104	70-130	
Styrene	ug/L	50	51.8	104	70-133	
Tetrachloroethene	ug/L	50	48.3	97	70-138	
Toluene	ug/L	50	52.0	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	70-131	
trans-1,3-Dichloropropene	ug/L	50	48.8	98	69-130	
Trichloroethene	ug/L	50	50.7	101	70-130	
Trichlorofluoromethane	ug/L	50	54.0	108	50-150	
Vinyl chloride	ug/L	50	49.3	99	49-130	
Xylene (Total)	ug/L	150	156	104	70-135	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1477942 1477943

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40146775001	Spike Conc.	MSD Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<5.0	500	500	533	556	107	111	70-134	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<2.5	500	500	495	529	99	106	67-130	7	20		
1,1,2-Trichloroethane	ug/L	<2.0	500	500	499	526	100	105	70-130	5	20		
1,1-Dichloroethane	ug/L	<2.4	500	500	534	556	107	111	70-134	4	20		
1,1-Dichloroethene	ug/L	<4.1	500	500	537	561	107	112	68-136	4	20		
1,2,4-Trichlorobenzene	ug/L	<22.1	500	500	477	505	95	101	62-139	6	20		
1,2-Dibromo-3-chloropropane	ug/L	<21.6	500	500	497	555	99	111	50-150	11	20		
1,2-Dibromoethane (EDB)	ug/L	<1.8	500	500	510	535	102	107	70-130	5	20		
1,2-Dichlorobenzene	ug/L	<5.0	500	500	485	508	97	102	70-130	5	20		
1,2-Dichloroethane	ug/L	<1.7	500	500	503	540	101	108	70-130	7	20		
1,2-Dichloropropane	ug/L	<2.3	500	500	507	533	101	107	70-130	5	20		
1,3-Dichlorobenzene	ug/L	<5.0	500	500	486	514	97	103	70-131	6	20		
1,4-Dichlorobenzene	ug/L	<5.0	500	500	488	511	98	102	70-130	5	20		
Benzene	ug/L	<5.0	500	500	516	536	103	107	57-138	4	20		
Bromodichloromethane	ug/L	<5.0	500	500	490	512	98	102	70-130	4	20		

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1477942		1477943		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40146775001 Result	MS Spike Conc.	MSD Spike Conc.									
Bromoform	ug/L	<5.0	500	500	427	458	85	92	70-130	7	20		
Bromomethane	ug/L	<24.3	500	500	367	413	73	83	33-130	12	27		
Carbon tetrachloride	ug/L	<5.0	500	500	535	555	107	111	70-138	4	20		
Chlorobenzene	ug/L	<5.0	500	500	494	512	99	102	70-130	4	20		
Chloroethane	ug/L	<3.7	500	500	468	494	94	99	51-130	5	20		
Chloroform	ug/L	<25.0	500	500	507	528	101	106	70-130	4	20		
Chloromethane	ug/L	<5.0	500	500	488	516	97	103	25-132	6	20		
cis-1,2-Dichloroethene	ug/L	<2.6	500	500	533	555	107	111	61-140	4	20		
cis-1,3-Dichloropropene	ug/L	<5.0	500	500	501	528	100	106	70-130	5	20		
Dibromochloromethane	ug/L	<5.0	500	500	468	496	94	99	70-130	6	20		
Dichlorodifluoromethane	ug/L	<2.2	500	500	478	492	96	98	23-130	3	20		
Ethylbenzene	ug/L	<5.0	500	500	526	547	105	109	70-138	4	20		
Isopropylbenzene (Cumene)	ug/L	<1.4	500	500	526	547	105	109	70-152	4	20		
Methyl-tert-butyl ether	ug/L	<1.7	500	500	553	585	111	117	66-139	6	20		
Methylene Chloride	ug/L	<2.3	500	500	506	526	101	105	70-130	4	20		
Styrene	ug/L	<5.0	500	500	509	532	102	106	70-138	5	20		
Tetrachloroethene	ug/L	<5.0	500	500	487	505	97	101	70-148	4	20		
Toluene	ug/L	<5.0	500	500	521	546	104	109	70-130	5	20		
trans-1,2-Dichloroethene	ug/L	<2.6	500	500	526	553	105	111	70-133	5	20		
trans-1,3-Dichloropropene	ug/L	<2.3	500	500	496	521	99	104	69-130	5	20		
Trichloroethene	ug/L	<3.3	500	500	508	527	102	105	70-131	4	20		
Trichlorofluoromethane	ug/L	<1.8	500	500	570	587	114	117	50-150	3	20		
Vinyl chloride	ug/L	<1.8	500	500	572	600	114	120	49-133	5	20		
Xylene (Total)	ug/L	<15.0	1500	1500	1560	1620	104	108	70-135	4	20		
4-Bromofluorobenzene (S)	%						102	102	70-130				
Dibromofluoromethane (S)	%						108	108	70-130				
Toluene-d8 (S)	%						101	101	70-130				

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

QC Batch: 250373 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40146790004, 40146790005, 40146790006, 40146790007, 40146790008, 40146790009, 40146790010

METHOD BLANK: 1477940 Matrix: Water
 Associated Lab Samples: 40146790004, 40146790005, 40146790006, 40146790007, 40146790008, 40146790009, 40146790010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	03/16/17 15:46	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	03/16/17 15:46	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	03/16/17 15:46	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	03/16/17 15:46	
1,1-Dichloroethane	ug/L	<0.24	1.0	03/16/17 15:46	
1,1-Dichloroethene	ug/L	<0.41	1.0	03/16/17 15:46	
1,1-Dichloropropene	ug/L	<0.44	1.0	03/16/17 15:46	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	03/16/17 15:46	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	03/16/17 15:46	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	03/16/17 15:46	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	03/16/17 15:46	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	03/16/17 15:46	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 15:46	
1,2-Dichloroethane	ug/L	<0.17	1.0	03/16/17 15:46	
1,2-Dichloropropane	ug/L	<0.23	1.0	03/16/17 15:46	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 15:46	
1,3-Dichloropropane	ug/L	<0.50	1.0	03/16/17 15:46	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 15:46	
2,2-Dichloropropane	ug/L	<0.48	1.0	03/16/17 15:46	
2-Chlorotoluene	ug/L	<0.50	1.0	03/16/17 15:46	
4-Chlorotoluene	ug/L	<0.21	1.0	03/16/17 15:46	
Benzene	ug/L	<0.50	1.0	03/16/17 15:46	
Bromobenzene	ug/L	<0.23	1.0	03/16/17 15:46	
Bromochloromethane	ug/L	<0.34	1.0	03/16/17 15:46	
Bromodichloromethane	ug/L	<0.50	1.0	03/16/17 15:46	
Bromoform	ug/L	<0.50	1.0	03/16/17 15:46	
Bromomethane	ug/L	<2.4	5.0	03/16/17 15:46	
Carbon tetrachloride	ug/L	<0.50	1.0	03/16/17 15:46	
Chlorobenzene	ug/L	<0.50	1.0	03/16/17 15:46	
Chloroethane	ug/L	<0.37	1.0	03/16/17 15:46	
Chloroform	ug/L	<2.5	5.0	03/16/17 15:46	
Chloromethane	ug/L	<0.50	1.0	03/16/17 15:46	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	03/16/17 15:46	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	03/16/17 15:46	
Dibromochloromethane	ug/L	<0.50	1.0	03/16/17 15:46	
Dibromomethane	ug/L	<0.43	1.0	03/16/17 15:46	
Dichlorodifluoromethane	ug/L	<0.22	1.0	03/16/17 15:46	
Diisopropyl ether	ug/L	<0.50	1.0	03/16/17 15:46	
Ethylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

METHOD BLANK: 1477940

Matrix: Water

Associated Lab Samples: 40146790004, 40146790005, 40146790006, 40146790007, 40146790008, 40146790009, 40146790010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	03/16/17 15:46	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	03/16/17 15:46	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	03/16/17 15:46	
Methylene Chloride	ug/L	<0.23	1.0	03/16/17 15:46	
n-Butylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	
n-Propylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	
Naphthalene	ug/L	<2.5	5.0	03/16/17 15:46	
p-Isopropyltoluene	ug/L	<0.50	1.0	03/16/17 15:46	
sec-Butylbenzene	ug/L	<2.2	5.0	03/16/17 15:46	
Styrene	ug/L	<0.50	1.0	03/16/17 15:46	
tert-Butylbenzene	ug/L	<0.18	1.0	03/16/17 15:46	
Tetrachloroethene	ug/L	<0.50	1.0	03/16/17 15:46	
Toluene	ug/L	<0.50	1.0	03/16/17 15:46	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	03/16/17 15:46	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	03/16/17 15:46	
Trichloroethene	ug/L	<0.33	1.0	03/16/17 15:46	
Trichlorofluoromethane	ug/L	<0.18	1.0	03/16/17 15:46	
Vinyl chloride	ug/L	<0.18	1.0	03/16/17 15:46	
Xylene (Total)	ug/L	<1.5	3.0	03/16/17 15:46	
4-Bromofluorobenzene (S)	%	102	70-130	03/16/17 15:46	
Dibromofluoromethane (S)	%	108	70-130	03/16/17 15:46	
Toluene-d8 (S)	%	100	70-130	03/16/17 15:46	

LABORATORY CONTROL SAMPLE: 1477941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.3	91	70-131	
1,1,2,2-Tetrachloroethane	ug/L	20	16.7	84	67-130	
1,1,2-Trichloroethane	ug/L	20	16.7	84	70-130	
1,1-Dichloroethane	ug/L	20	18.6	93	70-133	
1,1-Dichloroethene	ug/L	20	19.2	96	70-130	
1,2,4-Trichlorobenzene	ug/L	20	15.7	79	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	15.4	77	50-150	
1,2-Dibromoethane (EDB)	ug/L	20	17.0	85	70-130	
1,2-Dichlorobenzene	ug/L	20	16.3	82	70-130	
1,2-Dichloroethane	ug/L	20	17.9	90	70-130	
1,2-Dichloropropane	ug/L	20	16.9	84	70-130	
1,3-Dichlorobenzene	ug/L	20	16.6	83	70-130	
1,4-Dichlorobenzene	ug/L	20	16.6	83	70-130	
Benzene	ug/L	20	18.0	90	60-135	
Bromodichloromethane	ug/L	20	15.8	79	70-130	
Bromoform	ug/L	20	12.7	63	70-130 L2	
Bromomethane	ug/L	20	12.4	62	33-130	
Carbon tetrachloride	ug/L	20	15.9	79	70-138	

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

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

LABORATORY CONTROL SAMPLE: 1477941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	16.5	83	70-130	
Chloroethane	ug/L	20	16.1	81	51-130	
Chloroform	ug/L	20	17.8	89	70-130	
Chloromethane	ug/L	20	15.9	79	25-132	
cis-1,2-Dichloroethene	ug/L	20	18.7	93	69-130	
cis-1,3-Dichloropropene	ug/L	20	15.7	78	70-130	
Dibromochloromethane	ug/L	20	14.5	73	70-130	
Dichlorodifluoromethane	ug/L	20	15.3	77	23-130	
Ethylbenzene	ug/L	20	17.5	87	70-136	
Isopropylbenzene (Cumene)	ug/L	20	17.4	87	70-140	
Methyl-tert-butyl ether	ug/L	20	18.4	92	66-138	
Methylene Chloride	ug/L	20	18.4	92	70-130	
Styrene	ug/L	20	17.0	85	70-133	
Tetrachloroethene	ug/L	20	16.4	82	70-138	
Toluene	ug/L	20	17.3	86	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.6	93	70-131	
trans-1,3-Dichloropropene	ug/L	20	14.7	73	69-130	
Trichloroethene	ug/L	20	17.5	88	70-130	
Trichlorofluoromethane	ug/L	20	19.8	99	50-150	
Vinyl chloride	ug/L	20	19.5	97	49-130	
Xylene (Total)	ug/L	60	51.5	86	70-135	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1478062 1478063

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40146790004	Spike Conc.	MSD Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	53.9	53.3	108	107	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.9	51.4	102	103	67-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.5	50.9	101	102	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	54.7	53.3	109	107	70-134	3	20		
1,1-Dichloroethene	ug/L	0.91J	50	50	56.4	55.1	111	108	68-136	2	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	47.0	48.5	93	96	62-139	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	50.6	51.3	101	103	50-150	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.9	51.7	102	103	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.7	49.4	97	99	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	52.7	51.9	105	104	70-130	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	50.8	51.3	102	103	70-130	1	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.7	50.0	97	100	70-131	3	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.6	49.6	97	99	70-130	2	20		
Benzene	ug/L	<0.50	50	50	52.1	51.2	104	102	57-138	2	20		
Bromodichloromethane	ug/L	<0.50	50	50	48.3	49.7	97	99	70-130	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Parameter	Units	40146790004		1478062		1478063		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Bromoform	ug/L	<0.50	50	50	40.9	42.3	82	85	70-130	3	20		
Bromomethane	ug/L	<2.4	50	50	40.2	41.6	80	83	33-130	3	27		
Carbon tetrachloride	ug/L	<0.50	50	50	52.6	51.9	105	104	70-138	1	20		
Chlorobenzene	ug/L	<0.50	50	50	48.9	49.8	98	100	70-130	2	20		
Chloroethane	ug/L	<0.37	50	50	48.4	47.0	97	94	51-130	3	20		
Chloroform	ug/L	<2.5	50	50	52.1	50.9	104	102	70-130	2	20		
Chloromethane	ug/L	<0.50	50	50	53.1	51.9	106	104	25-132	2	20		
cis-1,2-Dichloroethene	ug/L	82.5	50	50	137	135	108	105	61-140	1	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.2	49.2	96	98	70-130	2	20		
Dibromochloromethane	ug/L	<0.50	50	50	45.8	47.0	92	94	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	46.2	45.4	92	91	23-130	2	20		
Ethylbenzene	ug/L	<0.50	50	50	52.0	53.2	104	106	70-138	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.0	53.1	104	106	70-152	2	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	55.8	54.2	112	108	66-139	3	20		
Methylene Chloride	ug/L	<0.23	50	50	52.5	51.7	105	103	70-130	1	20		
Styrene	ug/L	<0.50	50	50	51.3	52.0	103	104	70-138	1	20		
Tetrachloroethene	ug/L	19.3	50	50	67.6	68.0	97	97	70-148	1	20		
Toluene	ug/L	<0.50	50	50	51.7	52.8	103	106	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	2.1	50	50	55.8	54.7	107	105	70-133	2	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.9	47.7	94	95	69-130	2	20		
Trichloroethene	ug/L	17.4	50	50	68.3	69.3	102	104	70-131	2	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	57.7	56.7	115	113	50-150	2	20		
Vinyl chloride	ug/L	0.78J	50	50	59.5	58.1	117	115	49-133	2	20		
Xylene (Total)	ug/L	<1.5	150	150	155	157	103	105	70-135	1	20		
4-Bromofluorobenzene (S)	%						101	102	70-130				
Dibromofluoromethane (S)	%						110	107	70-130				
Toluene-d8 (S)	%						100	101	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146790

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146790

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40146790001	MW-1	EPA 8260	250369		
40146790002	MW-2	EPA 8260	250369		
40146790003	MW-3	EPA 8260	250369		
40146790004	MW-4	EPA 8260	250373		
40146790005	MW-5	EPA 8260	250373		
40146790006	MW-6	EPA 8260	250373		
40146790007	MW-7	EPA 8260	250373		
40146790008	MW-8	EPA 8260	250373		
40146790009	MW-9	EPA 8260	250373		
40146790010	PZ-1	EPA 8260	250373		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Giles Engineering
 Branch/Location: Waukesha, WI
 Project Contact: Steve Owens
 Phone: 262-544-0118
 Project Number: IE-1105023
 Project Name: Smoke Out Green Bay
 Project State: WI
 Sampled By (Print): Kelly Hayden
 Sampled By (Sign): [Signature]



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

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

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested																			
	B	VOC	X																		

Quote #: 401416790

Mail To Contact:

Mail To Company:

Mail To Address:

Invoice To Contact: [Signature]

Invoice To Company:

Invoice To Address:

Invoice To Phone:

CLIENT COMMENTS

LAB COMMENTS (Lab Use Only)

Profile #

3-40m³

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		MATRIX	Analyses Requested
		DATE	TIME		
001	mw-1	3/15/17	950	WT	X
002	mw-2		1045		X
003	mw-3		1015		X
004	mw-4		1150		X
005	mw-5	3/14/17	1750		X
006	mw-6	3/14/17	1655		X
007	mw-7	3/14/17	1405		X
008	mw-8	3/14/17	1525		X
009	mw-9	3/14/17	1615		X
010	PZ-1	3/15/17	805		X

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

Relinquished By: [Signature] Date/Time: 1250 3/15/17

Received By: [Signature] Date/Time: 1250 3/15/17

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

Email #1: Sowens@gilesengs.com

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

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

Relinquished By: Date/Time:

Received By: Date/Time:

PACE Project No. 401416790

Receipt Temp = FOI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

(Please Print Clearly)

Company Name: Giles Engineering
 Branch/Location: Waukesha, WI
 Project Contact: Steve Owens
 Phone: 262-544-0118
 Project Number: IE-1165023
 Project Name: Smoke Out Green Bay
 Project State: WI
 Sampled By (Print): Kelly Hayden
 Sampled By (Sign): [Signature]
 PO #: _____ Regulatory Program: _____



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

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

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested	COLLECTION		MATRIX
			DATE	TIME	
N	B	VOC			
X			3/15/17	835	WT
X				850	
X				845	
X				1040	
X					

Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: _____
 Invoice To Contact: [Signature]
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): 3-40ml^B
↓
1-40ml^B
 Profile #: _____

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		MATRIX
		DATE	TIME	
012	PW-1	3/15/17	835	WT
013	PW-2		850	
014	PW-3		845	
015	PW-4		1040	
01	Trip Blank			

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

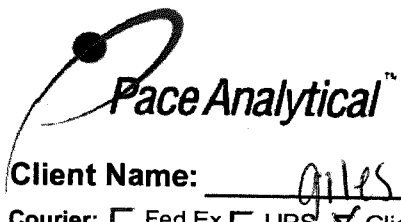
Transmit Prelim Rush Results by (complete what you want):
 Email #1: sovens@gilesengr.com
 Email #2: _____
 Telephone: _____
 Fax: _____

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

Relinquished By: [Signature] Date/Time: 3/15/17 1250
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____
 Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 3/15/17 1250
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____

PACE Project No. 401416790
 Receipt Temp = 201 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact



Sample Condition Upon Receipt

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

Project: WO#: 40146790

Client Name: giles eng

Courier: Fed Ex UPS Client Pace Other:

Tracking #: _____



40146790

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: 20 / Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no

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

Person examining contents:
Date: 3/15/17
Initials: JL

Comments:

Table with 15 rows for Chain of Custody Present, Chain of Custody Filled Out, Chain of Custody Relinquished, Sampler Name & Signature on COC, Samples Arrived within Hold Time, Short Hold Time Analysis (<72hr), Rush Turn Around Time Requested, Sufficient Volume, Correct Containers Used, Containers Intact, Filtered volume received for Dissolved tests, Sample Labels match COC, All containers needing preservation have been checked, All containers needing preservation are found to be in compliance with EPA recommendation, Headspace in VOA Vials (>6mm), Trip Blank Present, Trip Blank Custody Seals Present, Pace Trip Blank Lot #.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 3/15/17

APPENDIX H

Potable Well Analytical Reports and Chain-of-Custody Documentation

March 17, 2017

Steve Owens
Giles Engineering Associates, Inc.
N8 W22350 Johnson Road
Waukesha, WI 53186

RE: Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146796

Dear Steve Owens:

Enclosed are the analytical results for sample(s) received by the laboratory on March 15, 2017. 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,



Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kelly Hayden, Giles Engineering Associates, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40146790011	PW-1	Water	03/15/17 08:35	03/15/17 12:50
40146790012	PW-2	Water	03/15/17 08:50	03/15/17 12:50
40146790013	PW-3	Water	03/15/17 08:45	03/15/17 12:50
40146790014	PW-4	Water	03/15/17 10:40	03/15/17 12:50
40146790015	TRIP BLANK	Water	03/15/17 00:00	03/15/17 12:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40146790011	PW-1	EPA 8260	HNW	63	PASI-G
40146790012	PW-2	EPA 8260	HNW	63	PASI-G
40146790013	PW-3	EPA 8260	HNW	63	PASI-G
40146790014	PW-4	EPA 8260	HNW	63	PASI-G
40146790015	TRIP BLANK	EPA 8260	HNW	63	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: PW-1 **Lab ID: 40146790011** Collected: 03/15/17 08:35 Received: 03/15/17 12:50 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		03/16/17 22:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 22:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 22:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 22:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 22:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 22:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 22:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 22:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 22:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 22:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 22:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 22:07	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 22:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 22:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 22:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 22:07	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 22:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 22:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 22:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 22:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 22:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 22:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 22:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 22:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 22:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 22:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 22:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 22:07	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: PW-1 **Lab ID: 40146790011** Collected: 03/15/17 08:35 Received: 03/15/17 12:50 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		03/16/17 22:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 22:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 22:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 22:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 22:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 22:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 22:07	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 22:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 22:07	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		03/16/17 22:07	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		03/16/17 22:07	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: PW-2 **Lab ID: 40146790012** Collected: 03/15/17 08:50 Received: 03/15/17 12:50 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		03/16/17 22:29	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 22:29	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 22:29	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 22:29	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 22:29	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 22:29	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 22:29	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 22:29	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 22:29	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 22:29	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 22:29	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 22:29	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 22:29	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 22:29	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 22:29	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 22:29	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 22:29	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 22:29	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 22:29	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 22:29	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 22:29	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 22:29	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 22:29	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 22:29	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 22:29	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 22:29	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 22:29	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 22:29	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: PW-2 **Lab ID: 40146790012** Collected: 03/15/17 08:50 Received: 03/15/17 12:50 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		03/16/17 22:29	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 22:29	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 22:29	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 22:29	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 22:29	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 22:29	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:29	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 22:29	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 22:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		03/16/17 22:29	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		03/16/17 22:29	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/16/17 22:29	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: PW-3 **Lab ID: 40146790013** Collected: 03/15/17 08:45 Received: 03/15/17 12:50 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		03/16/17 22:51	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 22:51	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 22:51	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 22:51	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 22:51	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 22:51	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 22:51	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 22:51	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 22:51	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 22:51	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 22:51	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 22:51	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 22:51	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 22:51	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 22:51	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 22:51	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 22:51	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 22:51	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 22:51	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 22:51	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 22:51	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 22:51	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 22:51	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 22:51	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 22:51	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 22:51	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 22:51	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 22:51	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: PW-3 **Lab ID: 40146790013** Collected: 03/15/17 08:45 Received: 03/15/17 12:50 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		03/16/17 22:51	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 22:51	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 22:51	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 22:51	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 22:51	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 22:51	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 22:51	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 22:51	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 22:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 22:51	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		03/16/17 22:51	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/16/17 22:51	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: PW-4 **Lab ID: 40146790014** Collected: 03/15/17 10:40 Received: 03/15/17 12:50 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		03/16/17 23:14	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/16/17 23:14	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/16/17 23:14	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/16/17 23:14	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 23:14	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/16/17 23:14	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/16/17 23:14	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/16/17 23:14	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/16/17 23:14	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/16/17 23:14	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/16/17 23:14	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/16/17 23:14	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/16/17 23:14	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/16/17 23:14	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/16/17 23:14	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/16/17 23:14	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 23:14	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/16/17 23:14	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/16/17 23:14	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/16/17 23:14	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/16/17 23:14	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/16/17 23:14	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/16/17 23:14	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/16/17 23:14	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/16/17 23:14	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/16/17 23:14	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/16/17 23:14	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/16/17 23:14	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: PW-4 **Lab ID: 40146790014** Collected: 03/15/17 10:40 Received: 03/15/17 12:50 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		03/16/17 23:14	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/16/17 23:14	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/16/17 23:14	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/16/17 23:14	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/16/17 23:14	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/16/17 23:14	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/16/17 23:14	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/16/17 23:14	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/16/17 23:14	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		03/16/17 23:14	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		03/16/17 23:14	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		03/16/17 23:14	2037-26-5	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: TRIP BLANK **Lab ID: 40146790015** Collected: 03/15/17 00:00 Received: 03/15/17 12:50 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		03/17/17 00:21	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		03/17/17 00:21	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		03/17/17 00:21	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		03/17/17 00:21	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		03/17/17 00:21	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		03/17/17 00:21	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		03/17/17 00:21	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		03/17/17 00:21	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		03/17/17 00:21	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		03/17/17 00:21	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		03/17/17 00:21	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		03/17/17 00:21	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		03/17/17 00:21	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		03/17/17 00:21	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		03/17/17 00:21	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		03/17/17 00:21	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/17/17 00:21	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		03/17/17 00:21	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		03/17/17 00:21	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		03/17/17 00:21	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		03/17/17 00:21	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		03/17/17 00:21	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		03/17/17 00:21	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		03/17/17 00:21	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		03/17/17 00:21	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		03/17/17 00:21	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/17/17 00:21	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		03/17/17 00:21	630-20-6	

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ANALYTICAL RESULTS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Sample: TRIP BLANK **Lab ID: 40146790015** Collected: 03/15/17 00:00 Received: 03/15/17 12:50 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		03/17/17 00:21	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		03/17/17 00:21	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		03/17/17 00:21	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		03/17/17 00:21	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		03/17/17 00:21	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		03/17/17 00:21	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/17/17 00:21	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/17/17 00:21	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		03/17/17 00:21	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		03/17/17 00:21	460-00-4	
Dibromofluoromethane (S)	111	%	70-130		1		03/17/17 00:21	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		03/17/17 00:21	2037-26-5	

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

QC Batch: 250373 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40146790011, 40146790012, 40146790013, 40146790014, 40146790015

METHOD BLANK: 1477940 Matrix: Water
Associated Lab Samples: 40146790011, 40146790012, 40146790013, 40146790014, 40146790015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	03/16/17 15:46	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	03/16/17 15:46	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	03/16/17 15:46	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	03/16/17 15:46	
1,1-Dichloroethane	ug/L	<0.24	1.0	03/16/17 15:46	
1,1-Dichloroethene	ug/L	<0.41	1.0	03/16/17 15:46	
1,1-Dichloropropene	ug/L	<0.44	1.0	03/16/17 15:46	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	03/16/17 15:46	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	03/16/17 15:46	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	03/16/17 15:46	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	03/16/17 15:46	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	03/16/17 15:46	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 15:46	
1,2-Dichloroethane	ug/L	<0.17	1.0	03/16/17 15:46	
1,2-Dichloropropane	ug/L	<0.23	1.0	03/16/17 15:46	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 15:46	
1,3-Dichloropropane	ug/L	<0.50	1.0	03/16/17 15:46	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	03/16/17 15:46	
2,2-Dichloropropane	ug/L	<0.48	1.0	03/16/17 15:46	
2-Chlorotoluene	ug/L	<0.50	1.0	03/16/17 15:46	
4-Chlorotoluene	ug/L	<0.21	1.0	03/16/17 15:46	
Benzene	ug/L	<0.50	1.0	03/16/17 15:46	
Bromobenzene	ug/L	<0.23	1.0	03/16/17 15:46	
Bromochloromethane	ug/L	<0.34	1.0	03/16/17 15:46	
Bromodichloromethane	ug/L	<0.50	1.0	03/16/17 15:46	
Bromoform	ug/L	<0.50	1.0	03/16/17 15:46	
Bromomethane	ug/L	<2.4	5.0	03/16/17 15:46	
Carbon tetrachloride	ug/L	<0.50	1.0	03/16/17 15:46	
Chlorobenzene	ug/L	<0.50	1.0	03/16/17 15:46	
Chloroethane	ug/L	<0.37	1.0	03/16/17 15:46	
Chloroform	ug/L	<2.5	5.0	03/16/17 15:46	
Chloromethane	ug/L	<0.50	1.0	03/16/17 15:46	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	03/16/17 15:46	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	03/16/17 15:46	
Dibromochloromethane	ug/L	<0.50	1.0	03/16/17 15:46	
Dibromomethane	ug/L	<0.43	1.0	03/16/17 15:46	
Dichlorodifluoromethane	ug/L	<0.22	1.0	03/16/17 15:46	
Diisopropyl ether	ug/L	<0.50	1.0	03/16/17 15:46	
Ethylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

METHOD BLANK: 1477940

Matrix: Water

Associated Lab Samples: 40146790011, 40146790012, 40146790013, 40146790014, 40146790015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	03/16/17 15:46	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	03/16/17 15:46	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	03/16/17 15:46	
Methylene Chloride	ug/L	<0.23	1.0	03/16/17 15:46	
n-Butylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	
n-Propylbenzene	ug/L	<0.50	1.0	03/16/17 15:46	
Naphthalene	ug/L	<2.5	5.0	03/16/17 15:46	
p-Isopropyltoluene	ug/L	<0.50	1.0	03/16/17 15:46	
sec-Butylbenzene	ug/L	<2.2	5.0	03/16/17 15:46	
Styrene	ug/L	<0.50	1.0	03/16/17 15:46	
tert-Butylbenzene	ug/L	<0.18	1.0	03/16/17 15:46	
Tetrachloroethene	ug/L	<0.50	1.0	03/16/17 15:46	
Toluene	ug/L	<0.50	1.0	03/16/17 15:46	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	03/16/17 15:46	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	03/16/17 15:46	
Trichloroethene	ug/L	<0.33	1.0	03/16/17 15:46	
Trichlorofluoromethane	ug/L	<0.18	1.0	03/16/17 15:46	
Vinyl chloride	ug/L	<0.18	1.0	03/16/17 15:46	
Xylene (Total)	ug/L	<1.5	3.0	03/16/17 15:46	
4-Bromofluorobenzene (S)	%	102	70-130	03/16/17 15:46	
Dibromofluoromethane (S)	%	108	70-130	03/16/17 15:46	
Toluene-d8 (S)	%	100	70-130	03/16/17 15:46	

LABORATORY CONTROL SAMPLE: 1477941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.3	91	70-131	
1,1,2,2-Tetrachloroethane	ug/L	20	16.7	84	67-130	
1,1,2-Trichloroethane	ug/L	20	16.7	84	70-130	
1,1-Dichloroethane	ug/L	20	18.6	93	70-133	
1,1-Dichloroethene	ug/L	20	19.2	96	70-130	
1,2,4-Trichlorobenzene	ug/L	20	15.7	79	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	15.4	77	50-150	
1,2-Dibromoethane (EDB)	ug/L	20	17.0	85	70-130	
1,2-Dichlorobenzene	ug/L	20	16.3	82	70-130	
1,2-Dichloroethane	ug/L	20	17.9	90	70-130	
1,2-Dichloropropane	ug/L	20	16.9	84	70-130	
1,3-Dichlorobenzene	ug/L	20	16.6	83	70-130	
1,4-Dichlorobenzene	ug/L	20	16.6	83	70-130	
Benzene	ug/L	20	18.0	90	60-135	
Bromodichloromethane	ug/L	20	15.8	79	70-130	
Bromoform	ug/L	20	12.7	63	70-130 L2	
Bromomethane	ug/L	20	12.4	62	33-130	
Carbon tetrachloride	ug/L	20	15.9	79	70-138	

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY
Pace Project No.: 40146796

LABORATORY CONTROL SAMPLE: 1477941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	20	16.5	83	70-130	
Chloroethane	ug/L	20	16.1	81	51-130	
Chloroform	ug/L	20	17.8	89	70-130	
Chloromethane	ug/L	20	15.9	79	25-132	
cis-1,2-Dichloroethene	ug/L	20	18.7	93	69-130	
cis-1,3-Dichloropropene	ug/L	20	15.7	78	70-130	
Dibromochloromethane	ug/L	20	14.5	73	70-130	
Dichlorodifluoromethane	ug/L	20	15.3	77	23-130	
Ethylbenzene	ug/L	20	17.5	87	70-136	
Isopropylbenzene (Cumene)	ug/L	20	17.4	87	70-140	
Methyl-tert-butyl ether	ug/L	20	18.4	92	66-138	
Methylene Chloride	ug/L	20	18.4	92	70-130	
Styrene	ug/L	20	17.0	85	70-133	
Tetrachloroethene	ug/L	20	16.4	82	70-138	
Toluene	ug/L	20	17.3	86	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.6	93	70-131	
trans-1,3-Dichloropropene	ug/L	20	14.7	73	69-130	
Trichloroethene	ug/L	20	17.5	88	70-130	
Trichlorofluoromethane	ug/L	20	19.8	99	50-150	
Vinyl chloride	ug/L	20	19.5	97	49-130	
Xylene (Total)	ug/L	60	51.5	86	70-135	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			111	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1478062 1478063

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40146790004	Spike Conc.	MSD Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/L	<0.50	50	50	53.9	53.3	108	107	70-134	1	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	50.9	51.4	102	103	67-130	1	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.5	50.9	101	102	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	54.7	53.3	109	107	70-134	3	20		
1,1-Dichloroethene	ug/L	0.91J	50	50	56.4	55.1	111	108	68-136	2	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	47.0	48.5	93	96	62-139	3	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	50.6	51.3	101	103	50-150	2	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.9	51.7	102	103	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	48.7	49.4	97	99	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	52.7	51.9	105	104	70-130	2	20		
1,2-Dichloropropane	ug/L	<0.23	50	50	50.8	51.3	102	103	70-130	1	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.7	50.0	97	100	70-131	3	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	48.6	49.6	97	99	70-130	2	20		
Benzene	ug/L	<0.50	50	50	52.1	51.2	104	102	57-138	2	20		
Bromodichloromethane	ug/L	<0.50	50	50	48.3	49.7	97	99	70-130	3	20		

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QUALITY CONTROL DATA

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Parameter	Units	40146790004		1478062		1478063		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Bromoform	ug/L	<0.50	50	50	40.9	42.3	82	85	70-130	3	20		
Bromomethane	ug/L	<2.4	50	50	40.2	41.6	80	83	33-130	3	27		
Carbon tetrachloride	ug/L	<0.50	50	50	52.6	51.9	105	104	70-138	1	20		
Chlorobenzene	ug/L	<0.50	50	50	48.9	49.8	98	100	70-130	2	20		
Chloroethane	ug/L	<0.37	50	50	48.4	47.0	97	94	51-130	3	20		
Chloroform	ug/L	<2.5	50	50	52.1	50.9	104	102	70-130	2	20		
Chloromethane	ug/L	<0.50	50	50	53.1	51.9	106	104	25-132	2	20		
cis-1,2-Dichloroethene	ug/L	82.5	50	50	137	135	108	105	61-140	1	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.2	49.2	96	98	70-130	2	20		
Dibromochloromethane	ug/L	<0.50	50	50	45.8	47.0	92	94	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	46.2	45.4	92	91	23-130	2	20		
Ethylbenzene	ug/L	<0.50	50	50	52.0	53.2	104	106	70-138	2	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.0	53.1	104	106	70-152	2	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	55.8	54.2	112	108	66-139	3	20		
Methylene Chloride	ug/L	<0.23	50	50	52.5	51.7	105	103	70-130	1	20		
Styrene	ug/L	<0.50	50	50	51.3	52.0	103	104	70-138	1	20		
Tetrachloroethene	ug/L	19.3	50	50	67.6	68.0	97	97	70-148	1	20		
Toluene	ug/L	<0.50	50	50	51.7	52.8	103	106	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	2.1	50	50	55.8	54.7	107	105	70-133	2	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.9	47.7	94	95	69-130	2	20		
Trichloroethene	ug/L	17.4	50	50	68.3	69.3	102	104	70-131	2	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	57.7	56.7	115	113	50-150	2	20		
Vinyl chloride	ug/L	0.78J	50	50	59.5	58.1	117	115	49-133	2	20		
Xylene (Total)	ug/L	<1.5	150	150	155	157	103	105	70-135	1	20		
4-Bromofluorobenzene (S)	%						101	102	70-130				
Dibromofluoromethane (S)	%						110	107	70-130				
Toluene-d8 (S)	%						100	101	70-130				

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QUALIFIERS

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: IE-1105023 SMOKE OUT GREEN BAY

Pace Project No.: 40146796

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40146790011	PW-1	EPA 8260	250373		
40146790012	PW-2	EPA 8260	250373		
40146790013	PW-3	EPA 8260	250373		
40146790014	PW-4	EPA 8260	250373		
40146790015	TRIP BLANK	EPA 8260	250373		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Giles Engineering
 Branch/Location: Waukesha, WI
 Project Contact: Steve Owens
 Phone: 262-544-0118
 Project Number: 1E-1165023
 Project Name: Smoke Out Green Bay
 Project State: WI
 Sampled By (Print): Kelly Hayden
 Sampled By (Sign): [Signature]



MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

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

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested																				
N	B	VOC																				

Quote #:
 Mail To Contact:
 Mail To Company:
 Mail To Address: [Signature]
 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
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Y/N	Pick Letter	Analyses Requested															
		DATE	TIME																			
012	PW-1	3/15/17	835	WT	X																	
013	PW-2		850		X																	
014	PW-3		845		X																	
015	PW-4		1040		X																	
015	Trip Blank				X																	

CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

3-40ml^B
 ↓
 1-40ml^B

011
012
013
014
015

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

Relinquished By: [Signature] Date/Time: 3/15/17 1250
 Received By: [Signature] Date/Time: 3/15/17 1250

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

Email #1: sowens@gilesengr.com

Telephone:

Fax:

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

PACE Project No. 40146790
 Receipt Temp = 90 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact Intact



Sample Condition Upon Receipt

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

Project #: 40146790
AFFIX WORKORDER LABEL HERE

Client Name: Giles Eng

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: RPI /Corr: _____ Biological Tissue is Frozen: yes

Temp Blank Present: yes no no

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

Person examining contents:
Date: 3/15/17
Initials: RL

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10. <u>0.15 vial broken</u>
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. <u>3/15/17</u>
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤ 2; NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: <input checked="" type="checkbox"/> VOA, <input type="checkbox"/> coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>315</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Accepted for DM

Date: 3/15/17

APPENDIX I

Investigative Waste Disposal Documentation



OSI Environmental Inc.

BR40 - Kaukauna, WI
2253 Progress Way
Kaukauna WI 54130
(920)759-0252

Bill To
Steve Owens
GILES ENGINEERING
N8 W22350 JOHNSON RD
Suite A 1
WAUKESHA WI 53186

Date 11/11/2016

Acct. No. 3471
Ship To
SMOKE-OUT CLEANERS
1631 BROOKFIELD AVENUE
UNIT D-4
HOWARD WI 54313

Invoice

Invoice # 4012601

Terms NET 30 DAYS

Due Date 12/11/2016

PO #

Service Document # KM 18714

Memo

Job Number

FOB

Date of Service 11/10/2016

Item	Quantity	Units	Description	Rate	Amount	Tax
NH - Non Regulated Liquid - Gallon	60	GAL	Non-Hazardous Ground Water for Disposal	0.75	45.00	
Transportation - Pick Up Fee	1	EA		75.00	75.00	

Thank you for your business.

Total \$120.00

MAIL ALL PAYMENTS TO:
OSI ENVIRONMENTAL, INC.
912 TESCH COURT
WAUKESHA, WI 53186



2253 Progress Way
 Kaukauna, WI 54130
 (800) 860-8003
 WDNR # 14647
 Transporter EPA # WIR000117036

SALES/SERVICE ACKNOWLEDGEMENT

***** NOT AN INVOICE *****

ENVIRONMENTAL, INC.

DOC #: **KM 18714**

B Giles Engineering Associates Inc.
I N8 W22350 Johnson Dr., Suite A1
L Waukesha WI 53182
T (262) 544-0115 / Fax (262) 549-
O 5368

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Smoke-out Cleaners
1631 Brookfield Ave.
Howard, WI 54313

OSI ENVIRONMENTAL, INC. TRK#: 4094
 Transporter's Company Name
Craig Vlcek
 (Driver's Signature)

Shipping Manifest # _____
 Date of Pick Up: 11-10-15
 Consolidated Manifest #: _____
 P.O. #: _____ P.O. Date _____

Designated Facility:
 OSI Environmental, Inc. 2000 Badger Road, Kaukauna, WI 54130, EPA # WID988580296
 OSI Environmental, Inc. 2253 Progress Way, Kaukauna, WI 54130, EPA # WIR000117036
 OSI Environmental, Inc. Former Marquette County Airport, Taxi Way C, Negaunee, MI 49866, EPA # MIR 000047670

ITEM SHIPPING DESCRIPTION/S		PICK UP AMOUNT	UNIT MEASURE	UNIT COST	TOTAL
USED OIL	<i>Total Halogens</i>		_____ PPM		Generator Knowledge
	<i>Lubricating/Crankcase Oil</i>				
	<i>Off-Spec Oil (Rebuttal on File)</i>				
	<i>Petroleum Grease</i>				
	<i>Open Gear Lube/Debris</i>				
Other					
Minimum Oil Collection Fee					
USED OIL FILTERS	<i>Automotive/Truck (Crushed)</i>				
	<i>Automotive/Truck (Uncrushed)</i>				
	<i>Industrial Element</i>				
Other					
PETROLEUM CONTAMINATED SORBENTS	<i>Granular - Clay Based</i>				
	<i>Granular - Organic</i>				
	<i>Pads, Rags, Booms, Socks</i>				
Other					
PETROLEUM CONTAMINATED WATER					
Other	<i>Non-Hazardous Ground Water</i>	<u>166</u>	<u>gallons</u>	<u>0.75</u>	
USED ANTIFREEZE					
Other					
FUEL OIL, 3, NA1993, PGIII					
USED MINERAL OIL (_____ PPM)					
OTHER	<i>Stop Charge</i>	<u>1</u>	<u>Each</u>	<u>75</u>	<u>75</u>
Grand Total:					

Comments: 54012408

*****NOT AN INVOICE*****

"THIS IS AN ENVIRONMENTAL DOCUMENT - It must be retained for a period of at least 3 years and made readily available for review by an inspector."

It is acknowledged that OSI ENVIRONMENTAL, INC. has informed me of all applicable charges to perform the services as listed above, and that I, _____ (Print) hereby authorize OSI ENVIRONMENTAL, INC. to perform the services listed above and agree to pay all charges listed. I also warrant that any used oil has not been mixed with hazardous waste. This used oil subject to E.P.A. Regulation under 40 CFR Part 279 and Wisconsin Chapter 590. OSI Solid Waste Facility Operation License #4269, FID # 366793.

Generator Signature [Signature] Date 11-10-16



GILES

ENGINEERING ASSOCIATES, INC.

www.gilesengr.com