December 22, 2015

Mr. Tom Hvizdak
Wisconsin Department of Natural Resources
473 Griffith Avenue
Wisconsin Rapids, Wisconsin 54494

Subject: **Interim Remedial Action Plan Report**
Former Arcadia Dry Cleaner Building
127 W. Main Street
Arcadia, WI 54612-1327
BRRTS No. 02-62-259051

Dear Mr. Hvizdak:

On behalf of Mr. Kevin Manley of the State Bank of Arcadia, CB&I is please to submit the enclosed Interim Remedial Action Plan Report for your review. The report presents the findings from the August 2015 soil and groundwater site investigation activities and presents options for remediation to move the site towards regulatory closure.

One hard copy and one electronic CD copy are enclosed for your review and files.

Thank you in advance for your review of the Interim Remedial Action Plan Report. Following your input of the report, CB&I, with the input from Mr. Manley, will prepare a proposal and DERF cost estimate for the next phase of work for site remediation. Should you have any questions regarding the enclosed report, please feel free to call at (414) 687-3313.

Sincerely,
CB&I,

Heidi A. Woelfel, P.G.
Project Geologist

cc: Mr. Kevin Manley – State Bank of Arcadia

INTERIM REMEDIAL ACTION PLAN
Former Dry Cleaner Building
127 West Main Street
Arcadia, Wisconsin

BRRTS #02-62-259051

Prepared for:

Mr. Kevin Manley
State Bank of Arcadia
131 West Main Street
Arcadia, WI 54612

Prepared by:

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CB&I Project No. 133200
December 2015

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1.0 Introduction

The State Bank of Arcadia retained CBI Environmental & Infrastructure, Inc., formerly Shaw Environmental, Inc., to complete a site investigation of the chlorinated volatile organic compounds contamination associated with the dry cleaning operations at the Former Dry Cleaner Building site on Main Street. A site location map is included as **Figure B.1.a. - Site Location Map**.

1.1 Subject Property Description

The Former Dry Cleaner Building site address is 127 Main Street in Arcadia, Wisconsin 54612. The site is located in the NE¼ of the SW¼, Section 32, Township 21 North, Range 9 West, in Trempealeau County, Wisconsin (United States Geological Survey [USGS] 1993). The Former Dry Cleaner Building site is currently occupied by Westlake Insurance and is bordered to the west by the State Bank of Arcadia, to the north by Main Street, beyond which lies commercial and retail properties, to the east by commercial properties and to the south by the Arcadia CO-OP, which is also a petroleum contaminated site (BRRTS No. 03-62-103974). A site plan view is provided in **Figure B.1.b. - Detailed Site Map.**

1.2 Site History

In the late 1990's, a site investigation for petroleum contamination was conducted at Arcadia CO-OP site, the adjoining property to the southwest of the Former Dry Cleaners Building site. Laboratory analytical results for the monitoring well network at the Arcadia COOP site revealed tetrachloroethene (PCE) in monitoring wells associated with the site, including MW-14, MW-15, and MW-6 located to the southwest of the Former Arcadia Dry Building property.

On June 12, 1996 and January 17, 2008, the Wisconsin Department of Natural Resources (WDNR) notified the owner of the Former Dry Cleaner Building property, The State Bank of Arcadia, that it is responsible for investigating the extent and degree of PCE contamination and for restoring the environment if it is determined to be the source of the contamination.

1.3 Project Objectives

The objectives of this supplemental site investigation were to evaluate the nature, degree and extent of chlorinated hydrocarbons in soil and groundwater. Based on vapor intrusion results from 2013, vapor mitigation and further vapor intrusion investigation were also necessary. The scope of work was designed to evaluate and select remedial alternatives and develop this interim remedial action plan (RAP) in accordance with Chapter NR722 of the Wisconsin Administrative

Code, and subsequently pursue closure in accordance with Chapter NR726 of the Wisconsin Administrative Code. The scope of work contained the following tasks:

- Task 1: Bid Specifications and Procurement
- Task 2: Vapor Mitigation Measures for Westland Insurance Building (129 W Main St.)
- Task 3: Vapor Intrusion Investigation of La Tapatia Restaurant (125 W. Main St.) and Bawek's Shoe Store (119 W. Main St.)
- Task 4: Supplemental Site Investigation (Advancement of 6 soil borings and installation of an additional monitoring well)
- Task 5: Groundwater Sampling
- Task 6: Survey Monitoring Well Network
- Task 7: Prepare Site Investigation and Interim Action Workplan

Additional details for the above tasks were provided in the *Site Investigation Change Order for the Former Dry Cleaner Building* dated October 28, 2014.

2.0 Field Investigation Methodology

2.1 Vapor Mitigation Measures

During site investigation activities on August 18, 2015, both basement sealing and vapor mitigation contractors visited the site for a walk-through of the Westlake Insurance Building crawlspace to provide estimates.

2.2 Vapor Intrusion Investigation

Vapor intrusion assessment samples were collected on August 18, 2015. Samples were collected utilizing 6-liter summa canisters flow regulated for 8-hour sampling for analysis of TO-15 for volatile organic compounds. Canisters were prepared by Pace Analytical Laboratories (Pace) in Green Bay, Wisconsin.

Four (4) samples were collected during the investigation. One indoor ambient air in La Tapatia Restaurant (125 W. Main St.) was collected in the back of the building near the restaurant seating area. A second ambient air sample was collected in the crawlspace of the building. An indoor ambient air sample was collected from the Bawek's Shoe Store (119 W. Main St.). Sample canister was placed behind the counter in the work area near the middle of the building. The work area was actively used by the cobbler working in the store and contained repair equipment and possible adhesives. Two sub-slab samples were proposed for this building but the owners would not allow CB&I to drill into the floor to install the temporary sample ports so they were not collected at this time. The final sample was an outdoor ambient air sample collected behind Bawek's Shoe store. This location was chosen due to the overhanging roof behind the store that provided protection of the canister from the heavy rains that occurred during sampling. Sample locations are shown on **Figure B.4.a – Vapor Intrusion Map.**

Summa canisters were labelled and re-packed in their containers for return to Pace. CB&I's chain-of-custody protocols were maintained from the time of sample collection until receipt of the samples by the laboratory. Air sampling laboratory analytical results are presented in **Appendix A** and are summarized on **Table A.4.**

2.3 Basement Air Exchange System

The Westlake Insurance building located at 127 W. Main Street has an air exchange system installed to assist with the introduction of fresh air into the building and the removal of air from the building. The system was originally installed in October 2008 to assist with the dehumidization of the air in the main building and specifically in the crawlspace area to help the timbers and building supports from rotting in the humid setting. The air exchange system is

serviced annually by Slaby Electric of Arcadia to ensure the air exchange system is properly functioning. **Appendix B** presents the air exchange system information.

2.4 Supplemental Site Investigation

Soil boring installation activities were completed on August 18, 2015 by On-Site Environmental Services, Inc. (On-Site) of Sun Prairie, WI with oversight by CB&I. On-Site completed the drilling utilizing a track mounted drill rig equipped with a rotary head. A total of six (6) soil borings (SB-21 through SB-25 and MW-30) were advanced to a depth of 10 feet bgs. The boring and monitoring well locations are presented on **Figure B.1.b. - Detailed Site Map.**

Each soil boring location was logged and recorded onto boring logs by CB&I and the logs are provided in **Appendix C**. Soil samples were collected from all of the soil borings. The soil samples were collected from the direct contact interval between 0 and 4 feet bgs. No deeper soil samples were analyzed due to the shallow nature of groundwater at the site (generally less than 4 feet below ground surface (bgs)).

Soil from the borings was field screened in 2-foot intervals using a Photoionization Detector (PID) equipped with a 10.6 eV lamp. Soil samples collected for laboratory analysis were placed into laboratory supplied pre-cleaned sample containers. Each sample collected for laboratory analysis was labeled and placed into a cooler with ice. Collected samples were delivered to Pace in Green Bay, Wisconsin for Volatile Organic Compounds (VOC) analyses. CB&I's chain-of-custody protocols were maintained from the time of sample collection until receipt of the samples by the laboratory. Soil sample laboratory analytical results are presented in **Appendix A** and are summarized on **Table A.2**.

Soil boring MW-30 was converted to Chapter NR140 monitoring well, with 10 feet of screen set down to 12 feet bgs. **Figure B.1.b – Detailed Site Map** presents the location of the monitoring wells.

The monitoring well was constructed using 2-inch diameter Schedule 40 polyvinyl chloride (PVC) well risers and 0.010-inch slot size PVC well screens. A 10-foot long well screen was utilized in the monitoring well which was installed down to 12 feet bgs. Sufficient PVC riser was utilized to extend the monitoring well to the ground surface. The monitoring well was developed by On-Site and allowed to recharge following installation before gauging and sampling activities. The monitoring well construction and development forms are presented in **Appendix C**.

2.5 Groundwater Sampling

Groundwater sampling of the monitoring well network took place on August 17th and 18th 2015. Monitoring wells MW-14, MW-15, MW-21 through MW-27, MW-30, PZ-1 and PZ-2 were

sampled using low-flow sample techniques and analyzed for field parameters (temperature, DO, specific conductivity, pH and ORP). Groundwater samples were also submitted to Pace for analysis of VOCs. Groundwater elevation data was collected prior to sampling to determine groundwater flow direction and is summarized in **Table A.6 – Water Level Elevations**. Groundwater flow direction is illustrated in **Figure B.3.c – Groundwater Flow Direction.** Field parameters and laboratory analytical are summarized in **Table A.1 – Groundwater Analytical Table.** The groundwater sample laboratory analytical results are presented in **Appendix A.**

2.6 Survey of Monitoring Well Network

A professional survey of the monitoring well network and property boundaries was conducted by Martenson & Eisele Surveying from Neenah, Wisconsin on November 5, 2015. Location and elevation of all monitoring wells were determined in relation to a known benchmark.

2.7 Quality Control Program

The Quality Control Program starts in the field with the on-site personnel that collect the field data, oversee the work of subcontractors, and collect samples. To properly document all on-site activities CB&I personnel use logbooks to record the daily progress of the field work. Examples of the specific information included in the logbooks are daily narratives of the activities that occurred during that day consisting of the personnel on site; daily progress of the investigation, monitoring; samples that were collected and shipped or picked up by the laboratory; daily equipment calibration results; summaries of telephone conversations or meetings attended; a record of decisions made; and current action items.

Decontamination procedures were used throughout all sampling activities to minimize the potential for cross-contamination between each sample location. If used, all non-disposable tools and sampling equipment used were decontaminated between each sample interval or location using an inorganic detergent solution and distilled water.

Samples collected for laboratory analysis were placed into laboratory supplied pre-cleaned sample containers. Each sample collected for laboratory submittal was labeled and placed into a cooler with ice. Samples collected were delivered to Pace Analytical Laboratories in Green Bay, Wisconsin. CB&I's chain-of-custody protocols were maintained from the time of sample collection until receipt of the samples by the laboratory.

The sample handling/packaging procedures summarized below ensured that the samples were properly prepared for transportation to the laboratory:

- The CB&I Field Geologist was personally responsible for the care and custody of all samples until they were transferred or properly dispatched. As few people as possible handled the samples.
- All sample containers were labeled with the date, sample identification, and time of collection.
- Sample labels were completed for each sample using permanent markers.
- All samples were properly stored in a cooler with ice until they could be packaged for shipment via UPS or lab courier to the Pace Analytical Laboratory in Green Bay, Wisconsin.
- The Project Manager or designee reviewed all field activities to determine whether proper custody procedures were followed during the field work and decide if additional samples were required.

3.0 Physical Characteristics of the Subject Property

3.1 Regional and Local Geology & Hydrogeology

The Former Dry Cleaner Building site is located in the City of Arcadia. The local geology is composed of glacial lacustrine sediments, with local outwash deposits associated with the Trempealeau River (Hadley and Pelham 1976). The topography in the vicinity of the site is flat with the surface elevation approximately 730 feet above Mean Sea Level (MSL). Soils encountered during the sub-surface activities in the vicinity of the Former Dry Cleaner Building site consisted of varying layers of fine- to medium-grained sands, silty sands and clays. Bedrock was not encountered during investigation activities at the site. Bedrock is anticipated to be located at approximately 80 to 90 feet below the ground surface (bgs) based on the high capacity well information for the two closest municipal wells (#3 and #5) in Arcadia. Underlying bedrock is sandstone of Cambrian age (Mudrey, Brown, and Greenberg 1982).

The City of Arcadia is supplied by municipal water. Private potable wells are not used as a local drinking water supply. Groundwater in the area is influenced regionally by the Trempealeau River, which flows in a southwesterly direction and is located approximately ½ mile west of the site. The Trempealeau River is a major discharge stream located in the Trempealeau-Black River Discharge Basin.

The depth to the water table is approximately 2-5 feet bgs. Groundwater generally yielded a southwesterly groundwater flow direction at the Former Dry Cleaner Building site. The City of Arcadia conducted major dewatering activities during street reconstruction near the site. In addition, the entire site was submerged by approximately 2 feet of water during flooding in 2010.

The groundwater flow directions may also be impacted by building footers acting as a dam, due to the shallow groundwater table.

4.0 Data & Analysis

4.1 Analytical Results

4.1.1 Soil Analytical Data

Soil analytical data are summarized in **Table A.2. – Soil Analytical Results.** Soil exceedances and isocontours are presented on **Figure B.2.a. – Pre-Remedial Soil Contamination**. Laboratory reports are present in **Appendix A**.

All soil data were compared to the NR720 RCLs for Direct Contact - Non-Industrial and Groundwater Pathways. Analytical for SB-1 at 2-4' bgs indicated an exceedance of Groundwater Pathway residual contaminant levels (RCLs) for Trichloroethene (TCE). This was the only sample from the August 2015 soil sampling activities to exceed any RCL. Tetrachloroethylene (PCE) exceeding the direct contact RCLs was previously detected in HA-5 and exceeding groundwater pathway RCL in HA-4. Chlorinated solvent exceedances are therefore defined horizontally by MW-24 to the north, HA-1, HA-2 and MW-22 to the south, MW-23 and SB-23 to the east. The extent of soil contamination is bounded partially by SB-22 to the west but has not been fully defined beneath the Arcadia State Bank building.

The asphalt parking lot and buildings covering the entire impacted area provides an impermeable barrier and mitigates risk due to direct contact or inhalation. The impacted soils are, however in contact with the shallow groundwater table increasing the likelihood of impacts partitioning to groundwater.

4.1.2 Groundwater Analytical Data

Groundwater analytical data are summarized in **Table A.1. – Groundwater Analytical Table** and on **A.8 Groundwater Natural Attenuation Parameters**. Groundwater isocontours for PCE and Vinyl Chloride (VC) are presented on both **Figures B.3.b. – Groundwater Isoconcentration PCE 8/18/15** and **Groundwater Isoconcentration VC 8/18/15.** Laboratory reports are present in **Appendix A.**

Groundwater data was compared to NR140 Table 1 values for preventative action limits (PAL) and enforcement standard (ES). PCE concentrations exceeded ESs in MW-14, MW-15, MW-21, MW-23, MW-24 and MW-30. VC concentrations exceeded ESs in MW-14, MW-15, MW-21, MW-23, MW-25 and MW-27. The extent of PCE in groundwater is defined horizontally however the extent of VC in groundwater is not fully delineated to the southwest of MW-27. **Figure B.3.b. - Groundwater Isoconcentration PCE 8/18/15** presents the isocontours for PCE and **Figure B.3.b. - Groundwater Isoconcentration VC 8/18/15** presents the isocontours for VC. Elevated detection limits in were reported in monitoring wells MW-23, MW-24, and MW-

30 which caused the isocontour for VC to extend further to the north and northeast. The elevated detection limits are due to high concentrations of PCE in the samples.

Groundwater samples results from piezometers PZ-1 and PZ-2, which are screened approximately 18 to 23 feet below the water table, have also shown no detections above the NR 140 ES and therefore define the vertical extent of the groundwater plume.

The City of Arcadia is supplied by municipal water. Private potable wells are not used as a local drinking water supply and the nearest municipal well is over 3,300 feet northwest of the site and across the Trempealeau River. There are no known private wells within 100 feet of the site. Therefore drinking water is not a likely contact risk. Due to the shallow groundwater table and the site's known history of flooding and dewatering, direct contact with contaminated groundwater is a potential hazard.

4.2 Air Analytical Data

Air analytical data are summarized in **Table A.4. – Vapor Intrusion Sampling Results**. Locations of the vapor samples are presented on **Figure B.4.a. – Vapor Sample Location Map.** Laboratory reports are present in **Appendix A.**

The results of vapor samples collected from the site indicate reported levels of VOCs are within the ambient air of the La Tapatia Restaurant and the Bawek's Shoe Store. The VOCs reported within the Bawek's Shoe Store may be from the products utilized by the cobbler work station which was near the sample location. The VOCs that were reported in the ambient air sample include Chloroform, 1,2-Dichloroethane, 1,2-Dichloropropane, Ethyl Acetate, Ethylbenzene, Naphthalene, Trichloroethylene, and 1,2 4-Trimethylbenzene at concentrations above the target indoor air concentrations. Ethyl Acetate, Ethylbenzene, Naphthalene, 1,2,4-Trimethylbenzene are used as additives for glues, adhesives, and sealants, as well as paint or pigment additives. These compounds may be from on-site chemicals associated with the store cobbler activities.

The ambient air sample from La Tapatia Restaurant had Naphthalene at a concentration greater than the target indoor air concentration. The crawlspace air sample collected from La Tapatia Restaurant had PCE at a concentration exceeding the target crawlspace air concentration.

The background outdoor ambient air sample did not have any VOC compounds exceeding the target indoor air concentrations.

5.0 Discussion

5.1 Soil

The extents of direct contact and groundwater pathway exceedances in soil have been delineated. The area of impacted soils is located directly behind the former dry cleaner facility (the Westlake Insurance Building). The depth of chlorinated impacts extent down to 4 feet in the source area behind the building and down to 10 feet in soil boring location MW-30. The highest concentration of PCE was identified in soil boring HA-5 at 2 and 4 feet bgs (42 mg/kg and 56 mg/kg respectively). All other soil samples within the suspected source area did not have reported concentrations of chlorinated compounds above the RCL standards with the exception of HA-4 which had TCE at 2 feet at 0.23 mg/kg.

5.2 Groundwater

Groundwater flow at the site is to the southwest at a rate of 0.002 feet per foot across the site. The greatest concentrations of dissolved chlorinated VOCs are located behind the former dry cleaner facility. Monitoring well MW-23 has the highest reported concentration of PCE which is adjacent to the source area behind the former dry cleaner building. Elevated VC concentrations are reported further downgradient as the dissolved plume migrates towards the southwest in monitoring wells MW-14, MW-15, and MW-21. The groundwater aquifer parameters indicate the aquifer has reducing conditions based on the low to negative oxidation reduction potential. This reducing condition will assist in the dechlorination of compounds from PCE into daughter products. The dissolved oxygen in the aquifer is relatively depressed, probably resulting from the breakdown of compounds, the small interval of unsaturated soils, and the asphalt cover over the soils. The low levels of oxygen in the aquifer will not help to promote the breakdown of VC into ethanes and ethenes, therefore, some remedial options will need to be reviewed to move the site towards a stable to receding groundwater plume for VC.

5.3 Air

The air samples collected in August 2015 indicated some concentrations of volatile compounds in both the ambient and crawlspace air for the La Tapatia Restaurant and the ambient air for Bawek's Store. The Bawek's Shoe Store ambient air sample identified a number of compounds exceeding the target indoor air concentrations that may be attributed to the on-site products and cobbler activities near the sampling location. The ambient air sample from La Tapatia has a reported concentration of naphthalene above the target indoor air concentrations. The crawlspace sample from La Tapatia had a concentration of PCE exceeding the target crawl space concentration. A vapor mitigation system or an air exchange system should be investigated for

the installation at the La Tapatia restaurant to limit the chlorinated compounds entering the crawlspace.

The 2013 vapor samples that were collected from the Westlake Insurance building indicated elevations of PCE, TCE, and naphthalene compounds exceed the target indoor air concentrations. An air exchange system has been installed in the Westlake Insurance building crawlspace to assist with the high humidity and vapor issues in the crawlspace.

6.0 Development of Site Remedial Strategy

To obtain regulatory closure for the Subject Property in reasonable timeframe, the implementation of a remedial program is required by the WDNR. CB&I has developed a site remedial strategy in accordance with the following procedures established in WAC Chapter NR 722:

- Identifying the remedial action objectives for each of the impacted media at the Site.
- Identifying likely remedial action options [NR 722.07(2)].
- Evaluating each of the identified remedial action options [NR 722.07(3)].
- Development of a remedial strategy, based on the results of the evaluation (NR 722.09).

The identification and evaluation of potential remedial action options and the development of a site remedial strategy is presented below.

6.1 Remedial Action Objectives

Based on the investigation results, the degree and extent of soil and groundwater impacts and the site geology and hydrogeology have been adequately characterized. Because constituents have been detected at concentrations above the standards established by the WDNR, remediation is warranted. Remedial technologies were subsequently evaluated and selected based on these objectives to create the overall strategy. This section provides a summary of the remedial action objectives. A description of the recommended remedial strategy, based on the remedial action objectives, is presented in the following sections.

6.2 Remedial Action Objectives for Soil

To satisfy the remedial action objective established in Chapter NR 722.09(2)(a), soil must be remediated to standards established in NR 720. Two types of standards have been established; numerical standards and performance standards. Numerical standards, referred to as RCLs, are concentration-based standards. If soil contamination is remediated to concentrations below RCLs, then adequate soil remediation has been completed. In addition to the generic RCLs established in NR 720, site-specific RCLs can be developed. Site-specific RCLs are calculated based on site conditions such as hydraulic conductivity and soil type.

This situation lends itself to the use of a performance-based standard. As an alternative to site-specific RCLs, Chapter NR 720 allows the use of performance-based standards. Rather than remediating to a numerical concentration, a level of performance is established. For example, if direct contact is the most likely exposure route, an engineered barrier that prevents contact would serve as the performance-based standard. Although contaminants would remain in place,

impacts to human health and the environment are minimized due to the barrier. A deed restriction or deed notice could be recorded to notify future owners of the impacted soil left in place, and a cap maintenance plan could be implemented to ensure the continued integrity of the barrier. The use of these controls would only be implemented if requested by the WDNR.

6.3 Remedial Action Objectives for Groundwater

To satisfy the remedial action objective established in Chapter NR 722.09(2)(b) and the site closure criteria of Chapter NR 726, groundwater must either be remediated to below the NR 140 PAL, or be capable of achieving the PALs within a reasonable period of time. VOCs have been detected at Subject Property at concentrations above the ESs. The remedial strategy will include a component for addressing groundwater quality.

6.4 Remedial Action Objectives for Air

To satisfy the remedial action objectives established in Chapter NR 726.15, the installation and operation of a vapor mitigation system for facility where sub-slab levels attain or exceed the vapor risk screening level may be required. In lieu of a vapor mitigation system (VMS), responsible parties can choose to implement a long-term vapor intrusion monitoring program at buildings in order to demonstrate the remedial actions have addressed vapor risk and there is no future exposure risk to occupants. VOCs have been detected in the crawlspace air of the La Tapatia restaurant and at the Westlake Insurance Building. The remedial strategy will include a component for addressing vapor issues.

6.5 Identification of Remedial Action Options

In developing a site remedial strategy, several remedial action options were initially identified in accordance with WAC Chapter NR 722.07(2). These options represent techniques that may be potentially feasible for use at the Subject Property, based on the types of constituents present, media impacted, site characteristics, and applicable environmental laws and standards. Based on the investigation results and future plans for the site, the following site criteria may influence the feasibility of a given remedial action option:

- Impacted media at the Subject Property include soil, groundwater, and air. Surface water is not impacted. Off-site migration of groundwater contaminants may be co-mingled with groundwater contamination identified at the Arcadia Farmers Co-op (WDNR BRRTS #03-62-103974) downgradient the Subject Property. Consequently, the applicable environmental standards are the soil standards established in NR 720, the groundwater quality standards established in NR 140, and NR 716.

- Constituents of concern include VOCs.

- Soil at the Subject Property consists primarily of sand with some gravel.

Based on these site criteria, the following potential remedial action options were identified:

- Natural Attenuation
- Use of engineering and institutional controls to limit contact with impacted media
- Excavation and off-site disposal of impacted soil
- In-situ groundwater treatment and monitoring
- Vapor mitigation systems

7.0 Evaluation of Remedial Action Options

Once several remedial action options were identified, each was evaluated based on the criteria established in Chapter NR 722.07(4): technical feasibility and economic feasibility. Technical feasibility includes several factors, such as effectiveness (long- and short-term), ease of implementation, and length of time needed to meet the remedial objectives. Remedial strategies, particularly for complex sites, often require the use of several remedial action options used concurrently to achieve the project objectives. During the evaluation process, the potential for combining remedial options was also considered. A brief discussion of each of the remedial action options, including a summary of the evaluation, is presented below.

7.1 Natural Attenuation (Without Enhancement)

In 1996, the Wisconsin Natural Resources Board proposed several revisions to Chapters NR 140 and 700. These revisions are collectively referred to as the Flexible Closure regulations. The purpose of these revisions was to codify the evaluation and use of natural attenuation as a viable remedial action option.

In the implementation of this remedial action option, natural attenuation would be utilized alone, without enhancement. A monitoring program would be implemented to measure constituent concentrations and natural attenuation indicator parameters using the existing monitoring well network. Over time, monitoring results would provide a database for evaluating trends in constituents to determine if the areas of impacted groundwater are expanding or contracting.

Technical Feasibility: Natural attenuation is a viable remedial alternative recognized by the WDNR, and can be as effective as engineered remedial systems at achieving remedial goals. Historical groundwater analytical results already illustrate a stable trend in contaminant levels.

This remedial technique is a long-term technique for addressing constituents. Reductions in soil and groundwater constituents would be minor in the short term, if this option was used alone. Exposure to the constituents could be minimized by eliminating potential exposure pathways, reducing risk as the constituents are allowed to degrade over time.

Since this remedial action option would consist of groundwater monitoring and data evaluation, it could be easily implemented at the Subject Property. Currently, there are no receptors at the site that could be impacted by the constituents present in the soil and groundwater. The Subject Property is serviced by the Arcadia municipal water supply system, is paved or covered by buildings to limit infiltration and direct contact. There are currently no development plans or changes in use planned for the Subject Property.

Economic Feasibility: Natural attenuation represents one of the most cost-effective methods for remediating impacted soil and groundwater. Based on the existing stable contaminant trends, four quarterly monitoring events over several years may provide sufficient information for further evaluation of trends in groundwater quality. However, higher costs could be incurred based on WDNR monitoring and reporting requirements specific to the Subject Property. Additional groundwater samples can be collected for natural attenuation parameters including methane, ethane, and ethenes, reduced iron, reduced manganese, sulfate, sulfide, chloride and nitrate.

Results of Evaluation: Natural attenuation often represents a cost-effective method for addressing impacted soil and groundwater on a long-term basis. To improve the short-term effectiveness of this option, natural attenuation may be more feasible if used in conjunction with a more active remedial approach within the source areas.

7.2 Engineering and Institutional Controls

Chemicals in the environment generally pose a risk only if there is an exposure route between the chemical and a receptor. In the implementation of this remedial action option, engineering and institutional controls would provide a barrier to exposure. Construction of a cap to cover the impacted soil (an engineering control) would eliminate the risk of exposure through direct contact.

For the property, both engineering and institutional controls could be used as part of this remedial action option. Chapter NR 722 allows the use of engineered barriers and the performance standards in lieu of treating soils to meet the RCLs. Regulatory closure can be obtained if residually-impacted soil is left on-site above the generic or site specific soil standards for protection of groundwater, provided a soil deed restriction or deed notice is recorded.

Technical Feasibility: The use of engineered barriers and institutional controls are common elements of many site remedies. For example, institutional controls are a critical part of the Flexible Closure regulations, since they allow closure of sites with exceedances of ESs, provided groundwater use restrictions are adopted to prevent exposure. These remedial action options provide short-term control of exposure while longer-term processes such as natural attenuation reduce constituent concentrations to below the regulatory limits. Together, the long-term and short-term elements protect human health and the environment.

The engineering and institutional controls would limit exposure to the impacted media at the Subject Property, particularly in the short term. Therefore, a long-term restoration time frame would be acceptable.

Economic Feasibility: The site is currently paved and covered with buildings which limit direct contact and infiltration of water. There may be some repairs needed of the asphalt cover at the site, and costs would be less around $5 per square foot.

Results of Evaluation: The use of engineering and institutional controls represents a cost-effective method for reducing exposure to impacted media. However, these controls would require the use of a concurrent remedial action option to reduce constituent concentrations to below the regulatory limits. Additionally, a cap maintenance plan would have to be implemented. One or more of the other remedial action options could be combined with this option to create a viable remedial strategy.

7.3 Soil Excavation

In the implementation of this remedial action option, impacted soil would be excavated and transported off-site for disposal, and would be handled by a qualified transporter and be disposed at a licensed facility for treatment and/or landfill disposal, if necessary.

If this remedial action option was selected for the Subject Property, it would be used to enhance the performance of the overall remedial strategy. The top four feet of the area illustrating direct contact health risk exceedances would be removed from the site and transported to a landfill for disposal.

Technical Feasibility: The excavation of impacted soil is a common remedial method. This remedial action option would be effective in the long-term by allowing the immediate removal of soil exhibiting a direct contact risk. The excavation of impacted soil would further reduce the potential for migration of contaminants from soil to groundwater, further improving the effectiveness of groundwater-focused remedial action options such as natural attenuation. Additionally, a cap maintenance plan would not be required.

Economic Feasibility: The cost for excavation, transportation and off-site disposal of soil would range from $50 to $77 per ton, assuming the soil could be classified as special waste. Additional costs would be incurred for sampling and oversight.

Results of Evaluation: Due to the high water table at the Subject Property, soil excavation activities could be conducted down to a depth of 2 feet to remove the source area without encountering groundwater during the excavation. This would reduce the overall tonnage of soils to be removed and the former source area would then need to have a new asphalt cover placed on top to prevent infiltration of water and direct contact. Residual impacted soils that were left in-place or managed on-site would be managed through other remedial action options such as natural attenuation or engineered barriers.

7.4 In-situ Groundwater Treatment and Monitoring

In this remedial option, in situ chemical oxidation would be utilized to treat impacted soils and groundwater with very fine particles of activated carbon (1-2μm) suspended in water which then acts as a colloidal biomatrix binding to the aquifer matrix, rapidly removing contaminants from groundwater, and expediting permanent contaminant biodegradation. Regnensis 'PlumeStop' is one option identified to conduct this work.

This option would consist of a source area remedial effort which includes the installation of up to 12 soil boring points for the application of Plume Stop mixed with water for a gravity fed installation down to 12-feet below ground surface. Following the source area remediation, the downgradient groundwater plume would be addressed with up to 3 barriers of PlumeStop. Each barrier would be 50 feet long and be constructed with 6 soil borings to 12-feet deep. PlumeStop would then be injected into the borings so that groundwater flowing downgradient from the source area would be treated and accelerate the biodegradation of the VOCs.

Technical Feasibility: CB&I has experience using this remedial technology on sites with similar subsurface conditions. Decreases in chlorinated hydrocarbon concentrations have been observed within several months of implementation. Reductions in chlorinated hydrocarbon concentrations of greater than 95 percent have also been observed within one to three years following process startup.

Economic Feasibility: The cost for the implementation of an in-situ remedial application, quarterly monitoring and sampling for a year and reporting would range between $100,000 and $115,000 depending on the sampling protocol required.

Results of Evaluation: The local soil sand matrix would allow for easy injection of PlumeStop in the source area and the barriers. Since PlumeStop would be injected to remediate both the soil and groundwater, the time for concentrations of the solvents to reach below the residual standard levels would be relatively quick. This cost of this option would be expensive from an implementation, groundwater monitoring, and follow-up reporting perspective.

7.5 Vapor Mitigation Systems and Crawlspace Sealing

Based on the results of the crawlspace air samples from the Westlake Insurance building and the La Tapatia restaurant, it is necessary to prevent inhalation of chlorinated compounds from entering the building. The sealing of the crawlspaces and the installation of vapor mitigation systems will prevent of the entering of vapors from entering the crawlspace and main occupant spaces. The Westlake Insurance building currently has an air exchange system in place which brings fresh air into the building, including the crawlspace area, and pulls out the stale and humid

air. This system is currently functioning and is serviced annually to ensure it is working properly.

Technical Feasibility: The sealing of the crawlspaces can be conducted in a short time span. The walls and floor of the crawlspaces will be lined to limit vapors from entering the space. The sealing will also incorporate grading and gravel fill to help direct any water infiltration towards the sumps. The sumps will be lined and fitted with a sealed lid. The work can be completed in a few days following scheduling. The vapor mitigation system which is needed in the La Tapatia Restuarant will follow the sealing activities and the entire crawlspace will be vented to the outdoors.

Economic Feasibility: The cost for the sealing of the Westlake crawlspace is approximately $17,250 which includes the grading and gravel fill. The cost of the La Tapatia restaurant is assumed to be less, but bids from sealing contractors will be needed. The vapor mitigation system will cost approximately $2,500.

Results of Evaluation: The quick installation timeframe for the sealing and the vapor mitigation system install will allow for the protection of the building occupants by limiting any vapor intrusion into the buildings. A majority of the costs for the sealing and vapor mitigation system is DERF eligible; therefore this option should be done and should be incorporated with another remedial option.

8.0 Summary and Recommendations

A summary of the evaluation of the remedial alternatives completed for the Site is presented below:

- The following five remedial alternatives were identified for potential use at the Site: Natural attenuation, engineering and institutional controls, soil excavation, enhanced biodegradation, and crawlspace sealing and vapor mitigation.
- Based on an evaluation of technical and economic feasibility, none of the remedial alternatives were suitable for use as a sole remedy at the Site. A combination of remedial options will be best for achieving remediation objectives for the site.

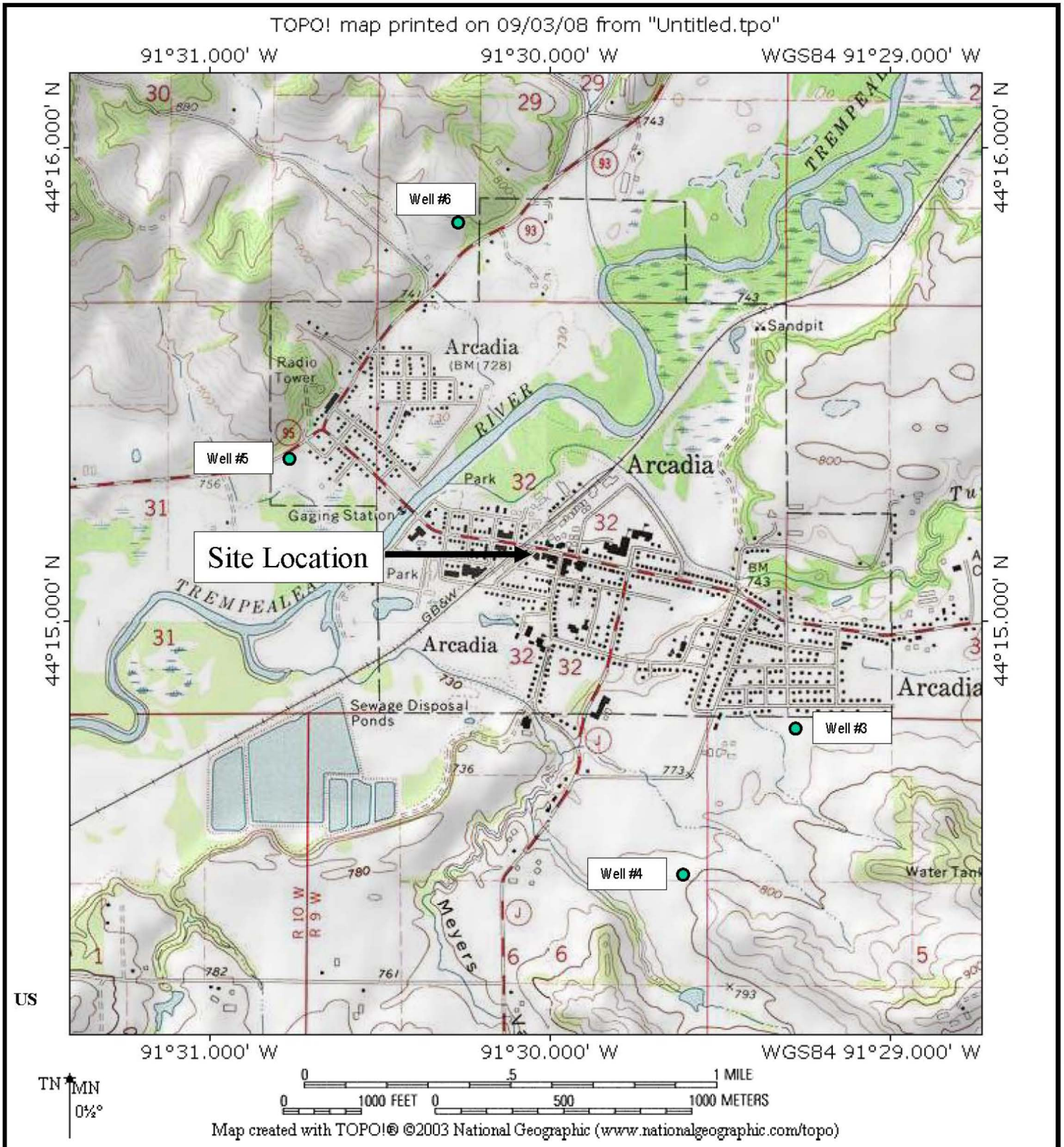
Based on the evaluation of the remedial alternatives, the following remedial strategy is recommended for the Site:

- Construction of an engineering control to prevent contact with soil impacted with contaminants exceeding direct contact health risk standards. The paved areas around the site will need to remain paved. A cap maintenance plan would be developed and utilized to maintain the integrity of the site features as a barrier to direct contact and groundwater infiltration.
- Installation of vapor mitigation systems and the sealing of crawlspaces at the Westlake Insurance and La Tapatia buildings should be conducted to prevent the infiltration of vapors into the main building.
- Removal and proper disposal of the source area soils behind the Westlake Insurance Building. The removal of the source area will also help with the partioning of solvent compounds to the groundwater and into vapors. Following the soil excavation, the area will need to be repaved and will need a cap maintenance plan.
- Natural attenuation will be used to address the remaining residual constituents. At least four rounds groundwater monitoring are recommended at this time to continue to monitor the stable to decreasing groundwater concentrations. A groundwater monitoring program will be developed and forwarded to the WDNR.

On behalf of the State Bank of Arcadia, CB&I is requesting the following from the WDNR:

- In accordance with Section 292.15 Wis. Stats., written concurrence regarding the adequacy of the investigation activities completed to-date.
- A letter of concurrence that the remedial plan presented herein can be implemented at the Subject Property, and if implemented as described and approved by the WDNR, would qualify for closure in accordance with Chapter NR 726.

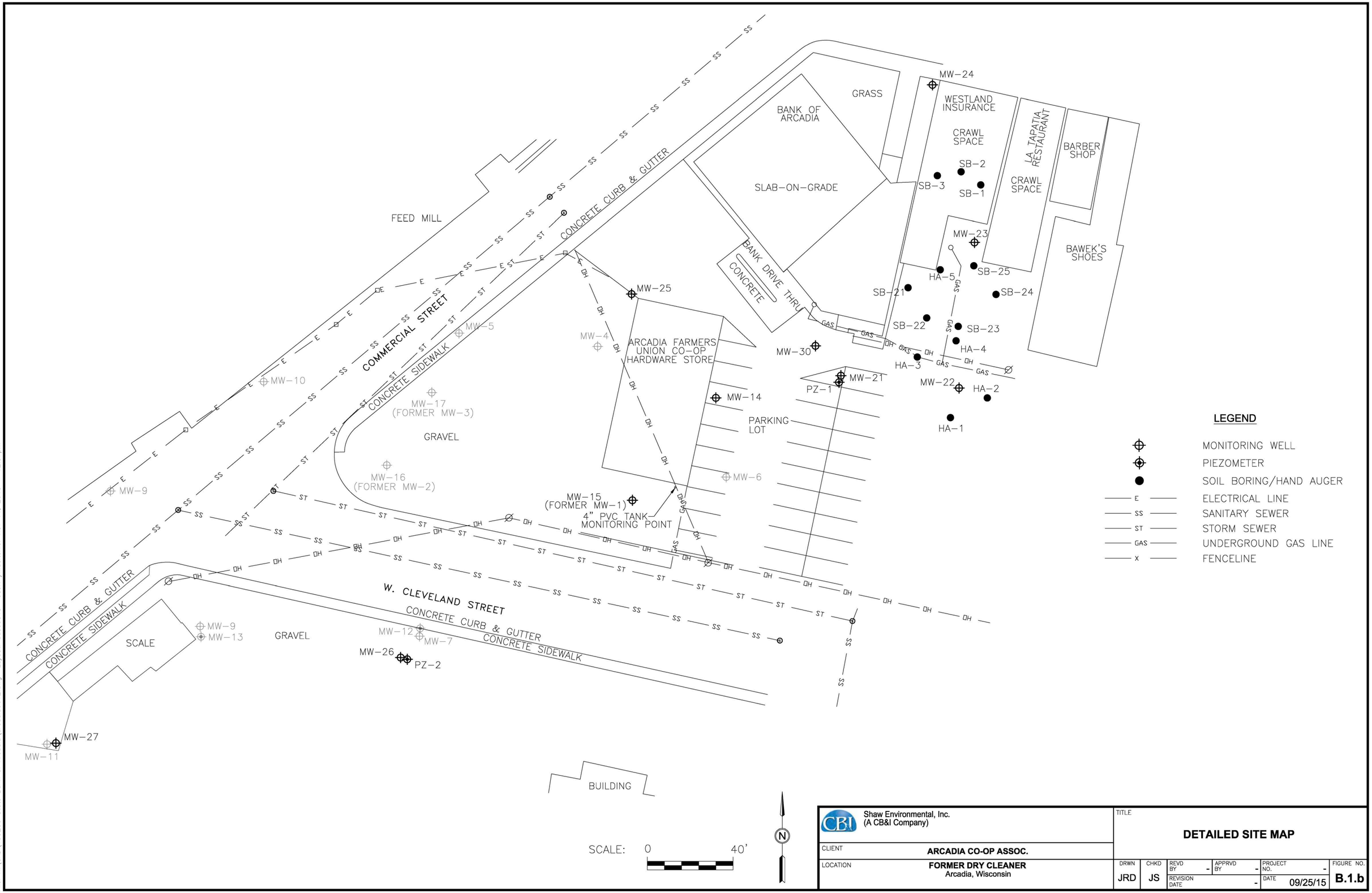
Figures



N

CB&I

Former Dry Cleaner Arcadia, WI	FIGURE NO.
SITE LOCATION MAP	B.1.a



Shaw Environmental, Inc.
(A CB&I Company)

CLIENT: ARCADIA CO-OP ASSOC.

LOCATION: FORMER DRY CLEANER
Arcadia, Wisconsin

TITLE: DETAILED SITE MAP

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	JS	-	-	-	B.1.b
		REVISION DATE		DATE 09/25/15	

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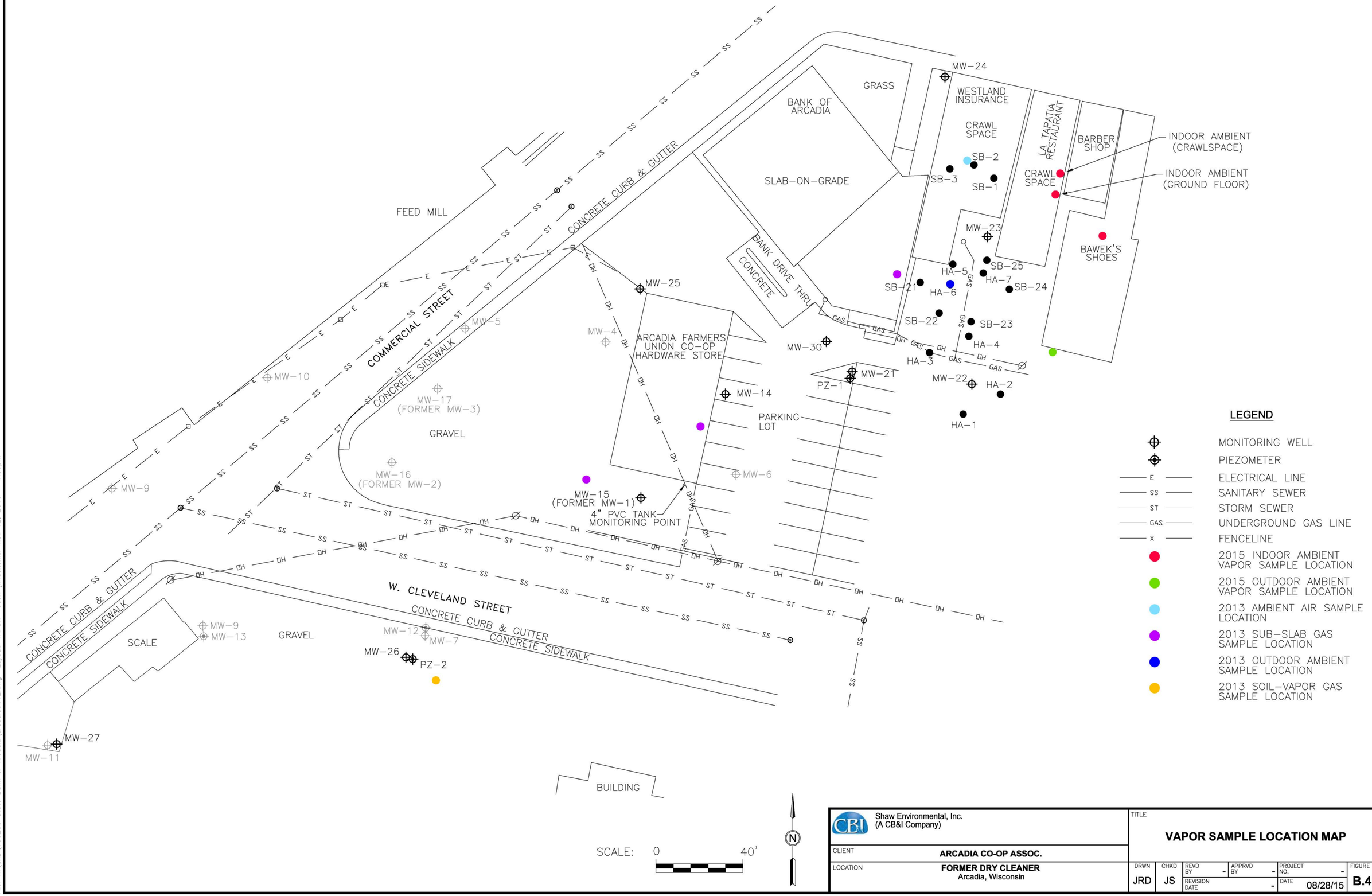

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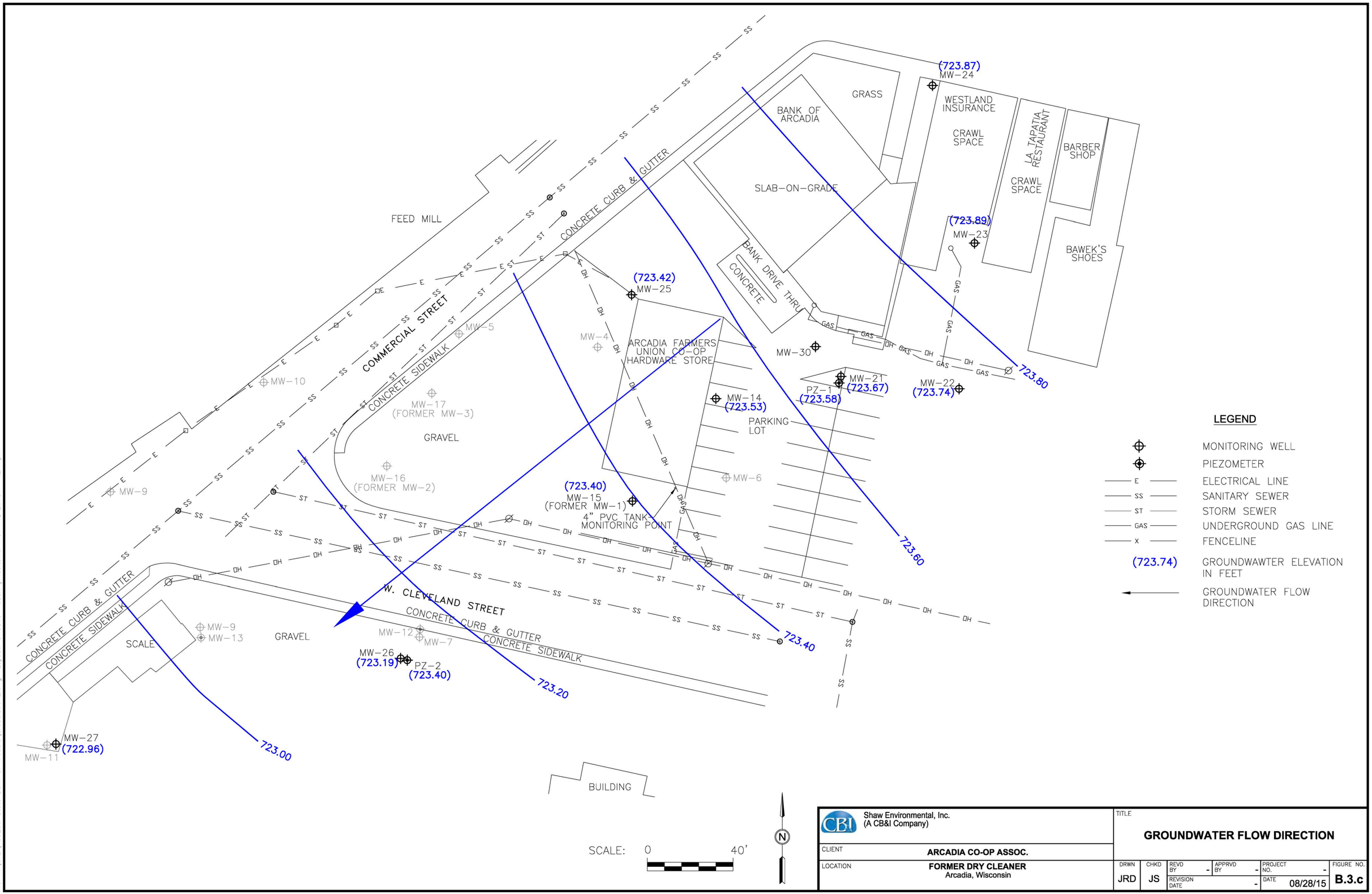
Shaw Environmental, Inc.
(A CB&I Company)

CLIENT: ARCADIA CO-OP ASSOC.

LOCATION: FORMER DRY CLEANER
Arcadia, Wisconsin

TITLE: VAPOR SAMPLE LOCATION MAP

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	JS	-	-	-	B.4.a
		REVISION DATE: -	DATE: 08/28/15		



Shaw Environmental, Inc.
(A CB&I Company)

CLIENT: ARCADIA CO-OP ASSOC.

LOCATION: FORMER DRY CLEANER
Arcadia, Wisconsin

TITLE: **GROUNDWATER FLOW DIRECTION**

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	JS	-	-	-	B.3.c
		REVISION DATE: -		DATE: 08/28/15	

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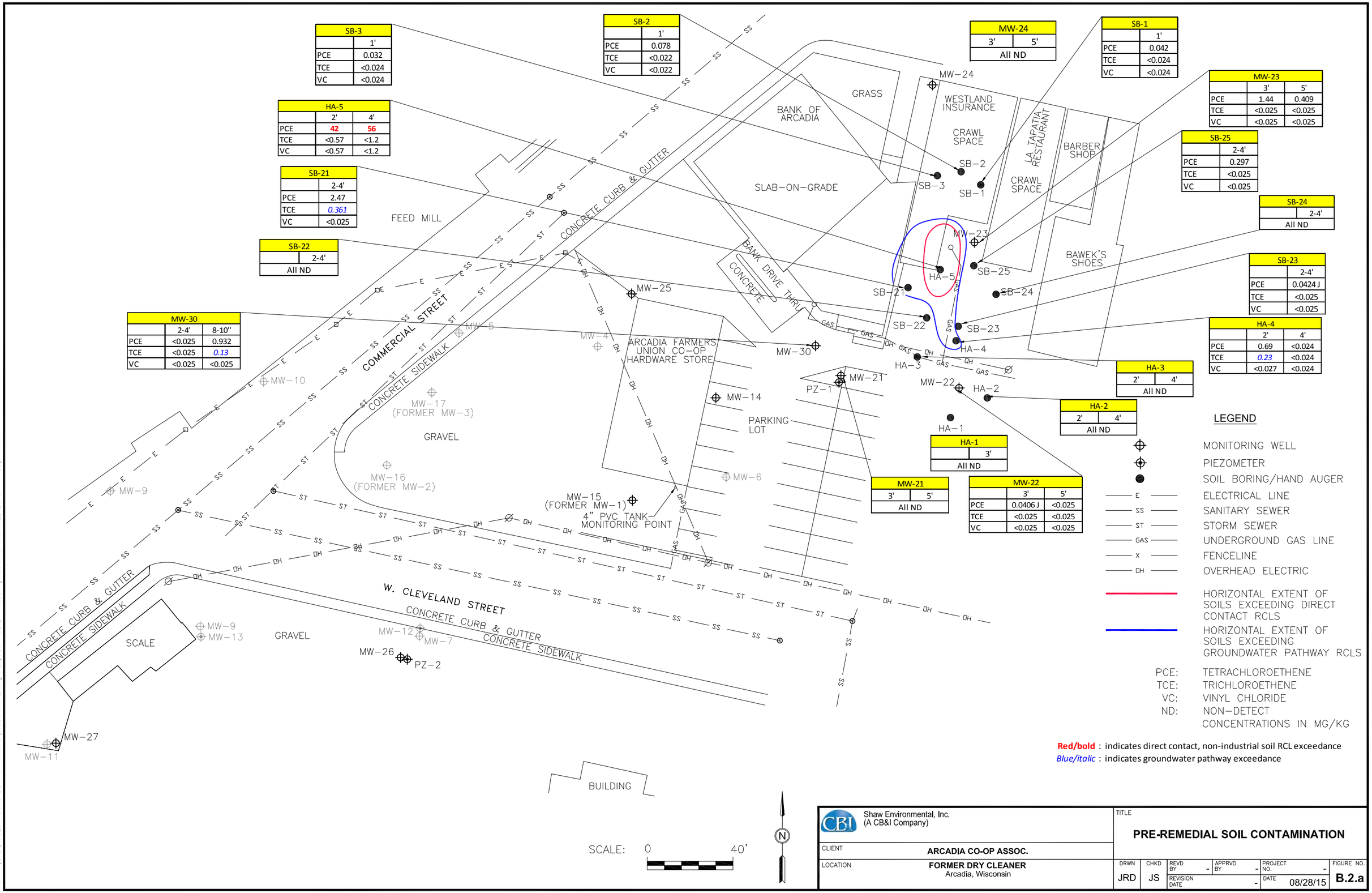


LEGEND

- MONITORING WELL
- PIEZOMETER
- SOIL BORING/HAND AUGER
- E — ELECTRICAL LINE
- SS — SANITARY SEWER
- ST — STORM SEWER
- GAS — UNDERGROUND GAS LINE
- X — FENCELINE
- OH — OVERHEAD ELECTRIC
- HORIZONTAL EXTENT OF SOILS EXCEEDING DIRECT CONTACT RCLS
- HORIZONTAL EXTENT OF SOILS EXCEEDING GROUNDWATER PATHWAY RCLS

PCE: TETRACHLOROETHENE
TCE: TRICHLOROETHENE
VC: VINYL CHLORIDE
ND: NON-DETECT
CONCENTRATIONS IN MG/KG

Red/bold : indicates direct contact, non-industrial soil RCL exceedance
Blue/italic : indicates groundwater pathway exceedance

Shaw Environmental, Inc.
(A CB&I Company)

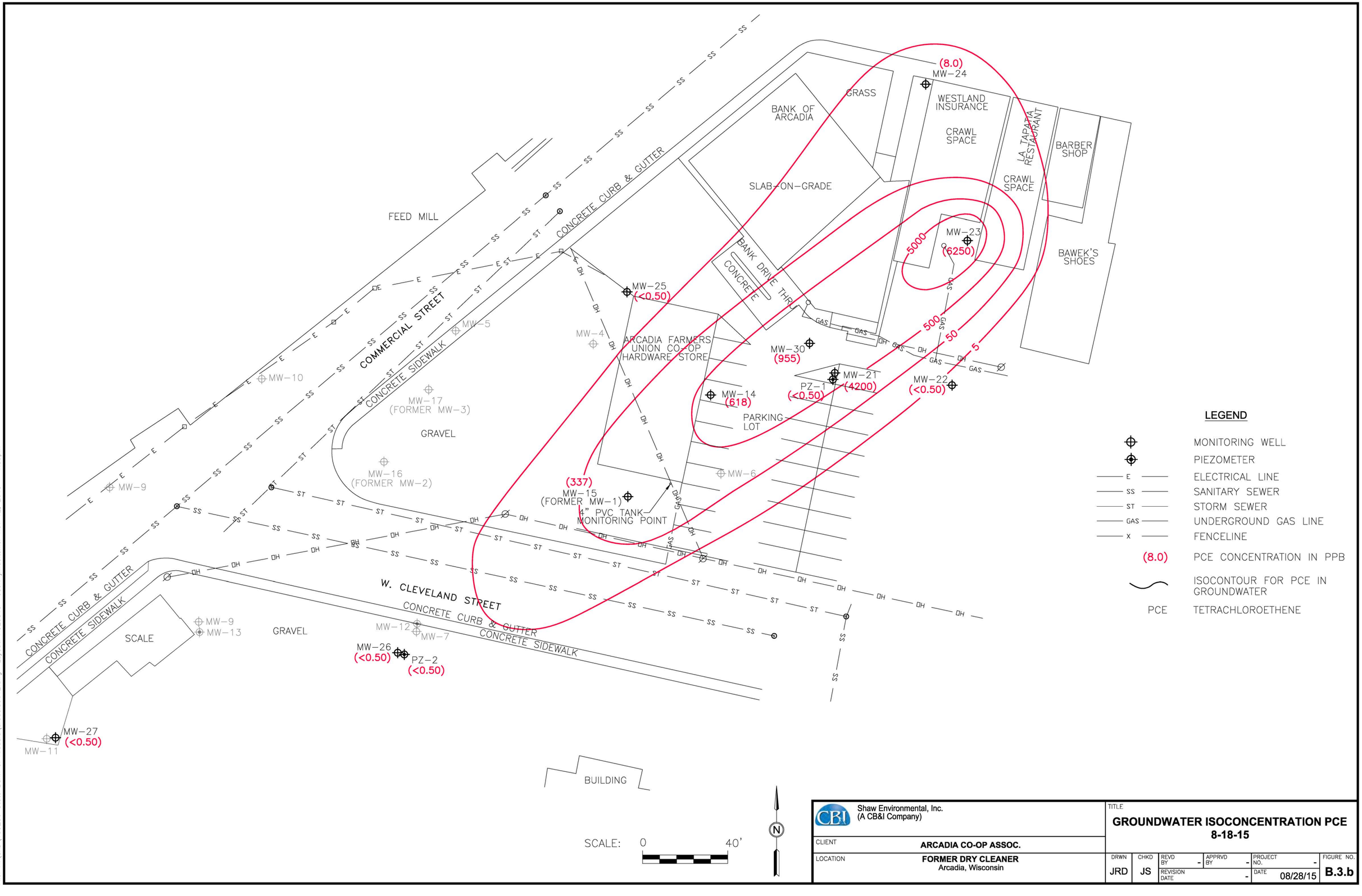
CLIENT: ARCADIA CO-OP ASSOC.

LOCATION: FORMER DRY CLEANER
Arcadia, Wisconsin

TITLE: PRE-REMEDIAL SOIL CONTAMINATION

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	JS	-	-	-	B.2.a

REVISION DATE: - DATE: 08/28/15



LEGEND

- MONITORING WELL
- PIEZOMETER
- E — ELECTRICAL LINE
- SS — SANITARY SEWER
- ST — STORM SEWER
- GAS — UNDERGROUND GAS LINE
- X — FENCELINE
- (8.0) — PCE CONCENTRATION IN PPB
- ISOCONTOUR FOR PCE IN GROUNDWATER
- PCE — TETRACHLOROETHENE

Shaw Environmental, Inc.
(A CB&I Company)

CLIENT: **ARCADIA CO-OP ASSOC.**

LOCATION: **FORMER DRY CLEANER**
Arcadia, Wisconsin

TITLE: **GROUNDWATER ISOCONCENTRATION PCE 8-18-15**

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	JS	-	-	-	B.3.b
		REVISION DATE	-	DATE 08/28/15	

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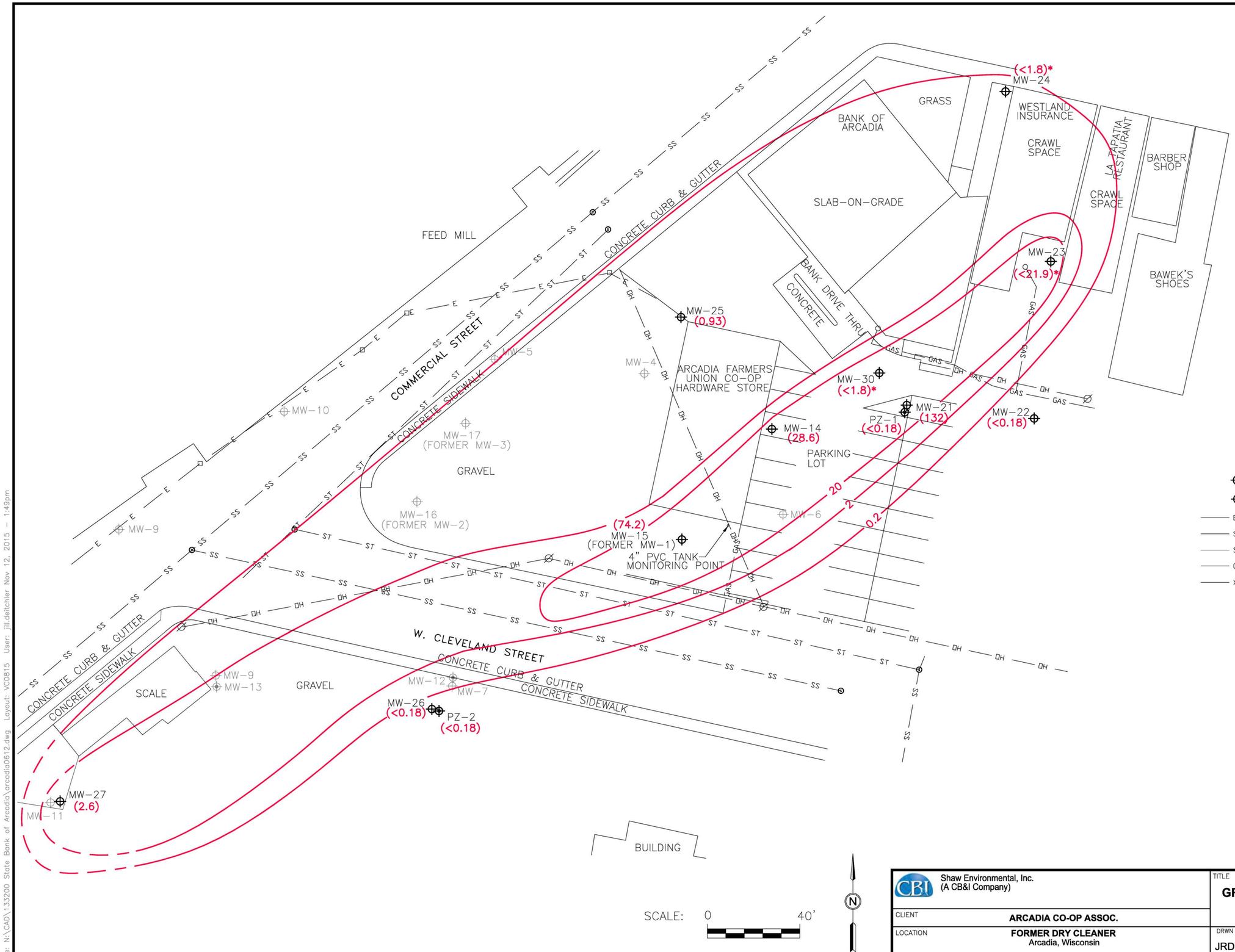

LEGEND

- MONITORING WELL
- PIEZOMETER
- E — ELECTRICAL LINE
- SS — SANITARY SEWER
- ST — STORM SEWER
- GAS — UNDERGROUND GAS LINE
- X — FENCELINE
- (0.93) — VC CONCENTRATION IN PPB
- (<1.8)* — VC LABORATORY NON-DETECT THAT IS ABOVE THE ES DUE TO DILUTION FACTOR
- ISOCONTOUR FOR VC IN GROUNDWATER
- DASHED WHERE INFERRED
- VC — VINYL CHLORIDE

Shaw Environmental, Inc.
(A CB&I Company)

CLIENT: **ARCADIA CO-OP ASSOC.**

LOCATION: **FORMER DRY CLEANER**
Arcadia, Wisconsin

TITLE: **GROUNDWATER ISOCONCENTRATION VC 8-18-15**

DRWN	CHKD	REVD BY	APPRVD BY	PROJECT NO.	FIGURE NO.
JRD	JS	-	-	-	B.3.b
		REVISION DATE	-	DATE 08/28/15	

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Tables

Table A.4 - Vapor Instrusion Sampling Results
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

			Ambient Air Samples					Sub-Slab Soil	
Sample Location		Target Indoor Air Concentration† TCR = 1x10-6 THI = 1.0	AMB-1 (Westland Building)	AMB-2 (Ambient Background)	Bawek Ambient (Bawek's Shoes)	Tapatia Ambient (La Tapatia Restaurant)	Outdoor Ambient (Ambient Background)	Target Sub-Slab Soil-Gas Concentration TCR = 1x10-6 THI = 1.0 AF = 0.03	SSG-1 (Sub-Slab in Bank Breakroom)
Sample Date	Units		11/20/2013	11/20/2013	8/18/2015	8/18/2015	8/18/2015		11/20/2013
Sample Time									
Sample Method			TO-15	TO-15	TO-15	TO-15	TO-15		TO-15
Acetone	ug/m3	32000	16.3	13.4	109	14.5	15.3	1066667	27.2
Benzene	ug/m3	3.6	1.4	1.4	<0.48	3.3	0.74	120	1.9
Benzyl Chloride	ug/m3	0.57	<1.5	<1.4	<3.9	<4.6	<0.38	19	<1.9
Bromodichloromethane	ug/m3	0.76	<2	<1.8	<2	<2.4	<2.0	25	<2.5
Bromoform	ug/m3	26	<3	<2.8	<3.1	<3.7	<3.0	867	<3.8
Bromomethane	ug/m3	5.2	<1.1	<1.1	<1.2	<1.4	<1.1	173	<1.4
Butadiene, 1,3-	ug/m3	0.94	<0.65	<0.6	<0.67	<0.79	<0.65	31	<0.82
Carbon Disulfide	ug/m3	730	<0.91	<0.84	21.1	<1.1	<0.91	24333	<1.2
Carbon Tetrachloride	ug/m3	4.7	<0.92	<0.86	<0.95	<1.1	<0.92	157	<1.2
Chlorobenzene	ug/m3	52	<1.4	<1.3	<1.4	<1.6	<1.4	1733	<1.7
Chloroform	ug/m3	1.2	<1.4	<1.3	1.9	<0.87	<0.71	40	<1.8
Chloromethane	ug/m3	94	<0.6	0.91	<0.63	<0.74	1.1	3133	<0.77
Cyclohexane	ug/m3	6300	<1	<0.94	1300	1.8	1.8	210000	2.8
Dibromochloromethane	ug/m3	1.0	<2.5	<2.3	<2.6	<3.0	<2.5	33	<3.2
Dibromoethane, 1,2-	ug/m3	0.047	<2.2	<2.1	<2.3	<2.7	<2.2	2	<2.9
Dichlorobenzene, 1,2-	ug/m3	210	<1.8	<1.6	<1.8	<2.1	<1.8	7000	<2.2
Dichlorobenzene, 1,3-	ug/m3	NES	<1.8	<1.6	<1.8	<2.1	<1.8	NES	<2.2
Dichlorobenzene, 1,4-	ug/m3	2.6	<1.8	<1.6	<1.8	<2.1	<1.8	87	65.1
Dichlorodifluoromethane	ug/m3	100	2.7	2.8	<1.5	2.6	2.9	3333	77.4
Dichloroethane, 1,1-	ug/m3	18	<1.2	<1.1	<1.2	<1.4	<1.2	600	<1.5
Dichloroethane, 1,2-	ug/m3	1.1	0.85	<0.55	3.8	<0.72	<0.59	37	<0.75
Dichloroethylene, 1,1-	ug/m3	210	<1.2	<1.1	<1.2	<1.4	<1.2	7000	<1.5
Dichloroethylene, 1,2-cis-	ug/m3	NES	<1.2	<1.1	<1.2	<1.4	<1.2	NES	2.2
Dichloroethylene, 1,2-trans-	ug/m3	NES	<1.2	<1.1	<1.2	<1.4	<1.2	NES	<1.5
Dichloropropane, 1,2-	ug/m3	2.8	<1.4	<1.3	2.9	<1.6	<1.4	93	<1.7
Dichloropropene, 1,3-cis-	ug/m3	NES	<1.3	<1.2	<1.4	<1.6	<1.3	NES	<1.7
Dichloropropene, 1,3-trans-	ug/m3	NES	<1.3	<1.2	<3.4	<4.0	<3.3	NES	<1.7
Dichlorotetrafluoroethane	ug/m3	NES	<2	<1.9	<2.1	<2.5	<2.0	NES	<2.6
Ethanol	ug/m3	NES	39.7	8.3	387	42.3	8.3	NES	176
Ethyl Acetate	ug/m3	73	1.7	<0.98	1340	<1.3	1.2	2433	<1.3
Ethyl Chloride (Chloroethane)	ug/m3	10000	<0.78	<0.72	<0.8	<0.94	<0.78	333333	<0.99
Ethylbenzene	ug/m3	11	<1.3	<1.2	27.3	1.5	<1.3	367	3.7
Ethyltoluene, 4-	ug/m3	NES	<1.4	<1.3	5.9	<1.8	<1.4	NES	4
Heptane, N-	ug/m3	NES	2.6	2.1	365	1.6	2.1	NES	4.2
Hexachlorobutadiene	ug/m3	1.3	<3.2	<2.9	<8.1	<9.5	<7.8	43	<4
Hexane, N-	ug/m3	730	1.3	0.98	72.2	2.6	<1.0	24333	3
Hexanone, 2-	ug/m3	130	<1.2	<1.1	<1.2	<1.5	<1.2	4333	<1.5
Isopropanol	ug/m3	210	<0.72	<0.67	140	<2.2	<1.8	7000	16.8
Methyl Ethyl Ketone (2-Butanone)	ug/m3	5200	3.8	3.3	119	4.4	4.2	173333	7.5
Methyl Isobutyl Ketone	ug/m3	3100	<1.2	<1.1	4.4	<3.6	<3.0	103333	<1.5
Methyl tert-Butyl Ether (MTBE)	ug/m3	110	<1.1	<0.98	<1.1	<1.3	<1.1	3667	<1.3
Methylene Chloride	ug/m3	630	3.7	2.5	15.9	<6.2	<5.1	21000	26.9
Naphthalene	ug/m3	0.83	4.2	<1.4	19.2	5.4	<3.8	28	6.3
Propylene	ug/m3	3100	<0.5	<0.47	7.5	4.4	<0.5	103333	<0.64
Styrene	ug/m3	1000	<1.3	<1.2	7.8	<1.5	<1.3	33333	2.7
Tetrachloroethane, 1,1,2,2-	ug/m3	0.48	<1	<0.94	<1.0	<1.2	<1.0	16	<1.3
Tetrachloroethylene	ug/m3	42	194	2	21	22.3	1.4	1400	187
Tetrahydrofuran	ug/m3	2100	<0.86	<0.8	<0.89	<1.0	<0.86	70000	<1.1
Toluene	ug/m3	5200	2.9	2	203	6.7	2.5	173333	9.7
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ug/m3	31000	<2.3	<2.1	<2.4	<2.8	<2.3	1033333	<2.9
Trichlorobenzene, 1,2,4-	ug/m3	2.1	<2.2	<2	<5.6	<6.6	<5.4	70	<2.8
Trichloroethane, 1,1,1-	ug/m3	5200	<1.6	<1.5	7.5	<1.9	<1.6	173333	<2
Trichloroethane, 1,1,2-	ug/m3	0.21	<0.79	<0.74	<0.82	<0.96	<0.79	7	<1
Trichloroethylene	ug/m3	2.1	4.1	<0.74	2.3	<0.96	<0.79	70	27.3

Table A.4 - Vapor Instrusion Sampling Results
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

		Shallow Soil-Gas Sample		Crawl-Space Samples	
Sample Location		Target Sub-Slab Soil-Gas Concentration TCR = 1x10-6 THI = 1.0 AF = 0.03	SVG-1 (Right-of-Way)	Target Crawl-Space Air Concentration TCR = 1x10-6 THI = 1.0 AF = 0.03	Tapatia Crawl-space (La Tapatia Restaurant)
Sample Date	Units		11/20/2013		8/18/2015
Sample Time					
Sample Method			TO-15		TO-15
Acetone	ug/m^3	1066667	11	32000	10.2
Benzene	ug/m^3	120	2.8	3.6	0.88
Benzyl Chloride	ug/m^3	19	<2	0.57	<4.6
Bromodichloromethane	ug/m^3	25	<2.6	0.76	<2.4
Bromoform	ug/m^3	867	<4	26	<3.7
Bromomethane	ug/m^3	173	<1.5	5.2	<1.4
Butadiene, 1,3-	ug/m^3	31	<0.86	0.94	<0.79
Carbon Disulfide	ug/m^3	24333	<1.2	730	<1.1
Carbon Tetrachloride	ug/m^3	157	<1.2	4.7	<1.1
Chlorobenzene	ug/m^3	1733	<1.8	52	<1.6
Chloroform	ug/m^3	40	<1.9	1.2	<0.87
Chloromethane	ug/m^3	3133	<0.81	94	<0.74
Cyclohexane	ug/m^3	210000	3.7	6300	<1.2
Dibromochloromethane	ug/m^3	33	<3.3	1.0	<3.0
Dibromoethane, 1,2-	ug/m^3	2	<3	0.047	<2.7
Dichlorobenzene, 1,2-	ug/m^3	7000	<2.3	210	<2.1
Dichlorobenzene, 1,3-	ug/m^3	NES	<2.3	NES	<2.1
Dichlorobenzene, 1,4-	ug/m^3	87	4.7	2.6	<2.1
Dichlorodifluoromethane	ug/m^3	3333	2.5	100	2.1
Dichloroethane, 1,1-	ug/m^3	600	<1.6	18	<1.4
Dichloroethane, 1,2-	ug/m^3	37	<0.79	1.1	<0.72
Dichloroethylene, 1,1-	ug/m^3	7000	<1.6	210	<1.4
Dichloroethylene, 1,2-cis-	ug/m^3	NES	<1.6	NES	<1.4
Dichloroethylene, 1,2-trans-	ug/m^3	NES	<1.6	NES	<1.4
Dichloropropane, 1,2-	ug/m^3	93	<1.8	2.8	<1.6
Dichloropropene, 1,3-cis-	ug/m^3	NES	<1.8	NES	<1.6
Dichloropropene, 1,3-trans-	ug/m^3	NES	<1.8	NES	<4.0
Dichlorotetrafluoroethane	ug/m^3	NES	<2.7	NES	<2.5
Ethanol	ug/m^3	NES	6.5	NES	8.7
Ethyl Acetate	ug/m^3	2433	<1.4	73	2.2
Ethyl Chloride (Chloroethane)	ug/m^3	333333	<1	10000	<0.94
Ethylbenzene	ug/m^3	367	4.6	11	<1.5
Ethyltoluene, 4-	ug/m^3	NES	3.8	NES	<1.8
Heptane, N-	ug/m^3	NES	4.8	NES	<1.5
Hexachlorobutadiene	ug/m^3	43	<4.2	1.3	<9.5
Hexane, N-	ug/m^3	24333	3.8	730	1.4
Hexanone, 2-	ug/m^3	4333	<1.6	130	<1.5
Isopropanol	ug/m^3	7000	1.2	210	<2.2
Methyl Ethyl Ketone (2-Butanone)	ug/m^3	173333	4.6	5200	4.5
Methyl Isobutyl Ketone	ug/m^3	103333	<1.6	3100	<3.6
Methyl tert-Butyl Ether (MTBE)	ug/m^3	3667	<1.4	110	<1.3
Methylene Chloride	ug/m^3	21000	3	630	<4.7
Naphthalene	ug/m^3	28	6.8	0.83	<4.7
Propylene	ug/m^3	103333	<0.67	3100	1.6
Styrene	ug/m^3	33333	<1.7	1000	<1.5
Tetrachloroethane, 1,1,2,2-	ug/m^3	16	<1.3	0.48	<1.2
Tetrachloroethylene	ug/m^3	1400	3.9	42	261
Tetrahydrofuran	ug/m^3	70000	<1.2	2100	<1.0
Toluene	ug/m^3	173333	18.2	5200	1.8
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ug/m^3	1033333	<3.1	31000	<2.8
Trichlorobenzene, 1,2,4-	ug/m^3	70	<2.9	2.1	<6.6
Trichloroethane, 1,1,1-	ug/m^3	173333	<2.1	5200	<1.9
Trichloroethane, 1,1,2-	ug/m^3	7	<1.1	0.21	<0.96
Trichloroethylene	ug/m^3	70	<1.1	2.1	<0.96

Table A.2
Soil Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

	Soil RCLs																													
BORING #			MW-1	MW-2	MW-3	MW-4	MW-5		MW-6	MW-7			MW-8		MW-9		MW-10		MW-11	MW-14	MW-21		MW-22		MW-23		MW-24		MW-30	
Soil Type																													fill, silt; fine sand	
Interval of Smear Zone for Water (ft BGS)	**Direct Contact Non-Industrial**	*Groundwater Pathway*																											2-4'	
DEPTH to Water Table (ft BGS)																													3	
Date Collected			Dec-96	Dec-96	Dec-96	Dec-96	Dec-96		Apr-97	Apr-97			Apr-97		Apr-97		Apr-97		Dec-97	Oct-99	9/9/2008		9/9/2008		9/9/2008		9/9/2008		8/18/2015	
Sample Depth (ft BGS)			3-5'	2-2.5'	2-4'	1-3'	1-3'	3-5'	1-3'	1-3'	5-7'	9-11'	1-3'	5-7'	1-3'	5-7'	1-3'	5-7'	2-2.5'	1-3'	3.0	5.0	3.0	5.0	3.0	5.0	3.0	5.0	2-4'	8-10'
1,1,1,2-Tetrachloroethane	**2.59**	*0.0534*																											<0.025	<0.025
1,1,1-Trichloroethane	**640**	*0.14*																											<0.025	<0.025
1,1,2,2-Tetrachloroethane	**0.753**	*0.000156*																											<0.025	<0.025
1,1,2-Trichloroethane	**1.48**	*0.00324*																											<0.025	<0.025
1,1-Dichloroethane	**4.72**	*0.483*																											<0.025	<0.025
1,1-Dichloroethene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,1-Dichloropropene	NS	NS																											<0.025	<0.025
1,2,3-Trichlorobenzene	**48.9**	NS																											<0.025	<0.025
1,2,3-Trichloropropane	**0.005**	*0.0519*																											<0.025	<0.025
1,2,4-TMB	**89.8**	*1.38*																											<0.0476	<0.0476
1,2,4-Trichlorobenzene	**22**	*0.408*																											<0.025	<0.025
1,2-Dibromo-3-chloropropane	**0.008**	*0.000173*																											<0.0912	<0.0912
1,2-Dibromoethane (EDB)	**0.047**	*0.0000282*																											<0.025	<0.025
1,2-Dichlorobenzene	**376**	*1.17*																											<0.025	<0.025
1,2-Dichloroethane	**0.608**	*0.00284*																											<0.025	<0.025
1,2-Dichloropropane	**1.33**	*0.00332*																											<0.025	<0.025
1,3,5-TMB	**182**	*1.38*																											<0.025	<0.025
1,3-Dichlorobenzene	**297**	*1.15*																											<0.025	<0.025
1,3-Dichloropropane	**1490**	NS																											<0.025	<0.025
1,4-Dichlorobenzene	**3.48**	*0.144*																											<0.025	<0.025
2,2-Dichloropropane	**527**	NS																											<0.025	<0.025
2-Chlorotoluene	NS	NS																											<0.025	<0.025
4-Chlorotoluene	NS	NS																											<0.025	<0.025
Benzene	**1.49**	NS																											<0.025	<0.025
Bromobenzene	**354**	NS																											<0.025	<0.025
Bromochloromethane	**232**	NS																											<0.025	<0.025
Bromodichloromethane	**0.39**	*0.000326*																											<0.025	<0.025
Bromoform	**61.5**	*0.00233*																											<0.025	<0.025
Bromomethane	**10.3**	*0.00506*																											<0.0699	<0.0699
Carbon tetrachloride	**0.854**	*0.00388*																											<0.025	<0.025
Chlorobenzene	**392**	NS																											<0.025	<0.025
Chloroethane	NS	*0.227*																											<0.067	<0.067
Chloroform	**0.423**	*0.00333*																											<0.0464	<0.0464
Chloromethane	**171**	*0.0155*																											<0.025	<0.025
cis-1,2-Dichloroethene	**156**	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.061	ND	0.188	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.104
cis-1,3-Dichloropropene	**1220**	*0.000286*																											<0.025	<0.025
Dibromochloromethane	**0.933**	*0.032*																											<0.025	<0.025
Dibromomethane	**35**	NS																											<0.025	<0.025
Dichlorodifluoromethane	**135**	*3.09*																											<0.025	<0.025
Diisopropyl ether	**2260**	NS																											<0.025	<0.025
Ethylbenzene	**7.47**	*1.57*																											<0.025	<0.025
Hexachloro-1,3-butadiene	NS	NS																											<0.025	<0.025
Isopropylbenzene (Cumene)	**268**	NS																											<0.025	<0.025
Methylene Chloride	**60.7**	*0.00256*	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	*0.065*	*0.0491 J*	*0.0626 J*	*0.0654 J*	*0.0531 J*	*0.0548 J*	*0.0789*	*0.077*	*0.0849*	<0.025	<0.025
MTBE	**59.4**	*0.027*																											<0.025	<0.025
Naphthalene	**5.15**	*0.658*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.025	<0.025	0.051 J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.04	<0.04
n-Butylbenzene	**108**	NS																											<0.025	<0.025
n-Propylbenzene	NS	NS																											<0.025	<0.025
p-Isopropyltoluene	**162**	NS																											<0.025	<0.025
sec-Butylbenzene	**145**	NS																											<0.025	<0.025
Styrene	**867**	*0.22*																											<0.025	<0.025
tert-Butylbenzene	**183**	NS																											<0.025	<0.025
Tetrachloroethene	**30.7**	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	<0.025	<0.025	0.0406 J	<0.025	1.44	0.409	<0.025	<0.025	<0.025	0.932
Toluene	**818**	*1.11*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.025	<0.025	0.0349 J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
trans-1,2-Dichloroethene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
trans-1,2-Dichloropropene	NS	NS																											<0.025	<0.025
Trichloroethene	**1.26**	*0.00358*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.131*	ND	--	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	*0.13*
Trichlorofluoromethane	**1120**	NS																											<0.025	<0.025
Vinyl chloride	**0.067**	*0.000138*	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	*0.045*	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Xylene	**258**	*3.94*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.05	<0.05	0.0318 J	<0.05	<0.05	<0.05	<0.05	<0.05		
Xylene, m&p	**778**																												<0.025	<0.025
Xylene, o	**434**																												<0.05	<0.05

Notes:
Bold Red font indicates DC RCL exceedance
Italic font indicates GW RCL Exceedance
Soil concentrations in mg/kg (ppm)

Table A.2
Soil Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

	Soil RCLs																									
BORING #			**SB-1**	**SB-2**	**SB-3**	**B-5**	**B-6**	**B-7**	**B-8**	**B-9**	**B-10**	**B-11**	**B-12**	**B-13**	**B-14**	**B-15**	**B-16**	**B-17**	**B-18**	**B-19**	**B-20**	**B-4**	**B-5**	**B-6**	**SB-21**	**SB-22**	**SB-23**
Soil Type																									Fill, silty sand	fine sand	fill, silty sand
Interval of Smear Zone for Water (ft BGS)																									6-8'	1-3'	1-3'
DEPTH to Water Table (ft BGS)	**Direct Contact Non-Industrial**	*Groundwater Pathway*																							7'	2'	2'
Date Collected			8/31/11	8/31/11	8/31/11	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Dec-96	Apr-97	Apr-97	Apr-97	Aug-99	Aug-99	Aug-99	8/18/15	8/18/15	8/18/15
Sample Depth (ft BGS)			1.0	1.0	1.0	5-6'	1-3'	1-3'	2-3'	2-3'	2	2-3'	2-3'	2-3'	2-3'	2-3'	2-3'	0.5-2.5'	2-3'	2-3'	2-3'	4-5'	4-5'	4-5'	2-4'	2-4'	2-4'
1,1,1,2-Tetrachloroethane	**2.59**	*0.0534*																							<0.025	<0.1	<0.025
1,1,1-Trichloroethane	**640**	*0.14*																							<0.025	<0.1	<0.025
1,1,2,2-Tetrachloroethane	**0.753**	*0.000156*																							<0.025	<0.1	<0.025
1,1,2-Trichloroethane	**1.48**	*0.00324*																							<0.025	<0.1	<0.025
1,1-Dichloroethane	**4.72**	*0.483*																							<0.025	<0.1	<0.025
1,1-Dichloroethene	NS	NS	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	<0.025	<0.1	<0.025
1,1-Dichloropropene	NS	NS																							<0.025	<0.1	<0.025
1,2,3-Trichlorobenzene	**48.9**	NS																							<0.025	<0.1	<0.025
1,2,3-Trichloropropane	**0.005**	*0.0519*																							<0.025	<0.1	<0.025
1,2,4-TMB	**89.8**	*1.38*																							<0.0476	<0.19	<0.0476
1,2,4-Trichlorobenzene	**22**	*0.408*																							<0.025	<0.1	<0.025
1,2-Dibromo-3-chloropropane	**0.008**	*0.000173*																							<0.0912	<0.365	<0.0912
1,2-Dibromoethane (EDB)	**0.047**	*0.0000282*																							<0.025	<0.1	<0.025
1,2-Dichlorobenzene	**376**	*1.17*																							<0.025	<0.1	<0.025
1,2-Dichloroethane	**0.608**	*0.00284*																							<0.025	<0.1	<0.025
1,2-Dichloropropane	**1.33**	*0.00332*																							<0.025	<0.1	<0.025
1,3,5-TMB	**182**	*1.38*																							<0.025	<0.1	<0.025
1,3-Dichlorobenzene	**297**	*1.15*																							<0.025	<0.1	<0.025
1,3-Dichloropropane	**1490**	NS																							<0.025	<0.1	<0.025
1,4-Dichlorobenzene	**3.48**	*0.144*																							<0.025	<0.1	<0.025
2,2-Dichloropropane	**527**	NS																							<0.025	<0.1	<0.025
2-Chlorotoluene	NS	NS																							<0.025	<0.1	<0.025
4-Chlorotoluene	NS	NS																							<0.025	<0.1	<0.025
Benzene	**1.49**	NS																							<0.025	<0.1	<0.025
Bromobenzene	**354**	NS																							<0.025	<0.1	<0.025
Bromochloromethane	**232**	NS																							<0.025	<0.1	<0.025
Bromodichloromethane	**0.39**	*0.000326*																							<0.025	<0.1	<0.025
Bromoform	**61.5**	*0.00233*																							<0.025	<0.1	<0.025
Bromomethane	**10.3**	*0.00506*																							<0.0699	<0.28	<0.0699
Carbon tetrachloride	**0.854**	*0.00388*																							<0.025	<0.1	<0.025
Chlorobenzene	**392**	NS																							<0.025	<0.1	<0.025
Chloroethane	NS	*0.227*																							<0.067	<0.268	<0.067
Chloroform	**0.423**	*0.00333*																							<0.0464	<0.186	<0.0464
Chloromethane	**171**	*0.0155*																							<0.025	<0.1	<0.025
cis-1,2-Dichloroethene	**156**	NS	0.041	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	0.0963	<0.1	<0.025
cis-1,3-Dichloropropene	**1220**	*0.000286*																							<0.025	<0.1	<0.025
Dibromochloromethane	**0.933**	*0.032*																							<0.025	<0.1	<0.025
Dibromomethane	**35**	NS																							<0.025	<0.1	<0.025
Dichlorodifluoromethane	**135**	*3.09*																							<0.025	<0.1	<0.025
Diisopropyl ether	**2260**	NS																							<0.025	<0.1	<0.025
Ethylbenzene	**7.47**	*1.57*																							<0.025	<0.1	<0.025
Hexachloro-1,3-butadiene	NS	NS																							<0.025	<0.1	<0.025
Isopropylbenzene (Cumene)	**268**	NS																							<0.025	<0.1	<0.025
Methylene Chloride	**60.7**	*0.00256*	<0.096	<0.09	<0.095	--	--	--	*0.486*	*0.668*	*0.038*	--	*0.046*	*0.802*	ND	ND	ND	ND	--	--	ND	ND	ND	ND	<0.025	<0.1	<0.025
MTBE	**59.4**	*0.027*																							<0.025	<0.1	<0.025
Naphthalene	**5.15**	*0.658*	<0.24	<0.22	<0.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.04	<0.16	<0.04
n-Butylbenzene	**108**	NS																							<0.025	<0.1	<0.025
n-Propylbenzene	NS	NS																							<0.025	<0.1	<0.025
p-Isopropyltoluene	**162**	NS																							<0.025	<0.1	<0.025
sec-Butylbenzene	**145**	NS																							<0.025	<0.1	<0.025
Styrene	**867**	*0.22*																							<0.025	<0.1	<0.025
tert-Butylbenzene	**183**	NS																							<0.025	<0.1	<0.025
Tetrachloroethene	**30.7**	NS	0.042	0.078	0.032	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	2.47	<0.1	0.0424 J
Toluene	**818**	*1.11*	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.025	<0.1	<0.025
trans-1,2-Dichloroethene	NS	NS	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	<0.025	<0.1	<0.025
trans-1,2-Dichloropropene	NS	NS																							<0.025	<0.1	<0.025
Trichloroethene	**1.26**	*0.00358*	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	*0.361*	<0.1	<0.025
Trichlorofluoromethane	**1120**	NS																							<0.025	<0.1	<0.025
Vinyl chloride	**0.067**	*0.000138*	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	<0.025	<0.1	<0.025
Xylene	**258**	*3.94*	<0.072	<0.067	<0.071	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Xylene, m&p	**778**																								<0.025	<0.1	<0.025
Xylene, o	**434**																								<0.05	<0.2	<0.05

Notes:
Bold Red font indicates DC RCL exceedance
Italic font indicates GW RCL Exceedance
Soil concentrations in mg/kg (ppm)

Table A.2
Soil Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

	Soil RCLs												
BORING #			**SB-24**	**SB-25**	**HA-1**	**HA-2**		**HA-3**		**HA-4**		**HA-5**	
Soil Type			fill, silty sand	fill, silty sand									
Interval of Smear Zone for Water (ft BGS)	**Direct Contact Non-Industrial**	*Groundwater Pathway*	3-5'	3-5'									
DEPTH to Water Table (ft BGS)			4'	4'									
Date Collected			8/18/15	8/18/15	8/31/11	8/31/11		8/31/11		8/31/11		8/31/11	
Sample Depth (ft BGS)			2-4'	2-4'	3.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0
1,1,1,2-Tetrachloroethane	**2.59**	*0.0534*	<0.025	<0.025									
1,1,1-Trichloroethane	**640**	*0.14*	<0.025	<0.025									
1,1,2,2-Tetrachloroethane	**0.753**	*0.000156*	<0.025	<0.025									
1,1,2-Trichloroethane	**1.48**	*0.00324*	<0.025	<0.025									
1,1-Dichloroethane	**4.72**	*0.483*	<0.025	<0.025									
1,1-Dichloroethene	NS	NS	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	<0.027	<0.024	<0.57	<0.025
1,1-Dichloropropene	NS	NS	<0.025	<0.025									
1,2,3-Trichlorobenzene	**48.9**	NS	<0.025	<0.025									
1,2,3-Trichloropropane	**0.005**	*0.0519*	<0.025	<0.025									
1,2,4-TMB	**89.8**	*1.38*	<0.0476	<0.0476									
1,2,4-Trichlorobenzene	**22**	*0.408*	<0.025	<0.025									
1,2-Dibromo-3-chloropropane	**0.008**	*0.000173*	<0.0912	<0.0912									
1,2-Dibromoethane (EDB)	**0.047**	*0.0000282*	<0.025	<0.025									
1,2-Dichlorobenzene	**376**	*1.17*	<0.025	<0.025									
1,2-Dichloroethane	**0.608**	*0.00284*	<0.025	<0.025									
1,2-Dichloropropane	**1.33**	*0.00332*	<0.025	<0.025									
1,3,5-TMB	**182**	*1.38*	<0.025	<0.025									
1,3-Dichlorobenzene	**297**	*1.15*	<0.025	<0.025									
1,3-Dichloropropane	**1490**	NS	<0.025	<0.025									
1,4-Dichlorobenzene	**3.48**	*0.144*	<0.025	<0.025									
2,2-Dichloropropane	**527**	NS	<0.025	<0.025									
2-Chlorotoluene	NS	NS	<0.025	<0.025									
4-Chlorotoluene	NS	NS	<0.025	<0.025									
Benzene	**1.49**	NS	<0.025	<0.025									
Bromobenzene	**354**	NS	<0.025	<0.025									
Bromochloromethane	**232**	NS	<0.025	<0.025									
Bromodichloromethane	**0.39**	*0.000326*	<0.025	<0.025									
Bromoform	**61.5**	*0.00233*	<0.025	<0.025									
Bromomethane	**10.3**	*0.00506*	<0.0699	<0.0699									
Carbon tetrachloride	**0.854**	*0.00388*	<0.025	<0.025									
Chlorobenzene	**392**	NS	<0.025	<0.025									
Chloroethane	NS	*0.227*	<0.067	<0.067									
Chloroform	**0.423**	*0.00333*	<0.0464	<0.0464									
Chloromethane	**171**	*0.0155*	<0.025	<0.025									
cis-1,2-Dichloroethene	**156**	NS	<0.025	<0.025	<0.024	<0.022	<0.023	0.19	<0.022	2.4	0.1	<0.57	<1.2
cis-1,3-Dichloropropene	**1220**	*0.000286*	<0.025	<0.025									
Dibromochloromethane	**0.933**	*0.032*	<0.025	<0.025									
Dibromomethane	**35**	NS	<0.025	<0.025									
Dichlorodifluoromethane	**135**	*3.09*	<0.025	<0.025									
Diisopropyl ether	**2260**	NS	<0.025	<0.025									
Ethylbenzene	**7.47**	*1.57*	<0.025	<0.025									
Hexachloro-1,3-butadiene	NS	NS	<0.025	<0.025									
Isopropylbenzene (Cumene)	**268**	NS	<0.025	<0.025									
Methylene Chloride	**60.7**	*0.00256*	<0.025	<0.025	<0.096	<0.088	<0.094	<0.099	<0.087	<0.11	<0.096	<2.3	<4.9
MTBE	**59.4**	*0.027*	<0.025	<0.025									
Naphthalene	**5.15**	*0.658*	<0.04	<0.04	<0.24	<0.22	<0.023	<0.25	<0.22	<0.027	<0.24	<5.7	<12
n-Butylbenzene	**108**	NS	<0.025	<0.025									
n-Propylbenzene	NS	NS	<0.025	<0.025									
p-Isopropyltoluene	**162**	NS	<0.025	<0.025									
sec-Butylbenzene	**145**	NS	<0.025	<0.025									
Styrene	**867**	*0.22*	<0.025	<0.025									
tert-Butylbenzene	**183**	NS	<0.025	<0.025									
Tetrachloroethene	**30.7**	NS	<0.025	0.297	<0.024	<0.022	<0.023	<0.025	<0.022	0.69	<0.024	**42**	**56**
Toluene	**818**	*1.11*	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	<0.027	<0.024	<0.57	<1.2
trans-1,2-Dichloroethene	NS	NS	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	0.093	<0.024	<0.57	<1.2
trans-1,2-Dichloropropene	NS	NS	<0.025	<0.025									
Trichloroethene	**1.26**	*0.00358*	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	*0.23*	<0.024	<0.57	<1.2
Trichlorofluoromethane	**1120**	NS	<0.025	<0.025									
Vinyl chloride	**0.067**	*0.000138*	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	<0.027	<0.024	<0.57	<1.2
Xylene	**258**	*3.94*			<0.072	<0.066	<0.07	<0.074	<0.065	<0.081	<0.072	<1.67	<3.7
Xylene, m&p	**778**		<0.025	<0.025									
Xylene, o	**434**		<0.05	<0.05									

Notes:
Bold Red font indicates DC RCL exceedance
Italic font indicates GW RCL Exceedance
Soil concentrations in mg/kg (ppm)

Table A.4 - Vapor Instrusion Sampling Results
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

		Ambient Air Samples						Sub-Slab Soil-Gas Samples			
Sample Location		Target Indoor Air Concentration† TCR = 1x10-6 THI = 1.0	AMB-1 (Westland Building)	AMB-2 (Ambient Background)	Bawek Ambient (Bawek's Shoes)	Tapatia Ambient (La Tapatia Restaurant)	Outdoor Ambient (Ambient Background)	Target Sub-Slab Soil-Gas Concentration TCR = 1x10-6 THI = 1.0 AF = 0.03	SSG-1 (Sub-Slab in Bank Breakroom)	SSG-2 (Sub-Slab in Former Hardware Store)	SSG-3 (Sub-Slab in Former Co-op Office Building)
Sample Date	Units		11/20/2013	11/20/2013	8/18/2015	8/18/2015	8/18/2015		11/20/2013	11/20/2013	11/20/2013
Sample Time											
Sample Method			TO-15	TO-15	TO-15	TO-15	TO-15		TO-15	TO-15	TO-15
Acetone	ug/m3	32000	16.3	13.4	109	14.5	15.3	1066667	27.2	146	189
Benzene	ug/m3	3.6	1.4	1.4	<0.48	3.3	0.74	120	1.9	<0.73	2.8
Benzyl Chloride	ug/m3	0.57	<1.5	<1.4	<3.9	<4.6	<0.38	19	<1.9	<2.4	<1.8
Bromodichloromethane	ug/m3	0.76	<2	<1.8	<2	<2.4	<2.0	25	<2.5	<3.1	<2.3
Bromoform	ug/m3	26	<3	<2.8	<3.1	<3.7	<3.0	867	<3.8	<4.7	<3.5
Bromomethane	ug/m3	5.2	<1.1	<1.1	<1.2	<1.4	<1.1	173	<1.4	<1.8	<1.3
Butadiene, 1,3-	ug/m3	0.94	<0.65	<0.6	<0.67	<0.79	<0.65	31	<0.82	<1	<0.76
Carbon Disulfide	ug/m3	730	<0.91	<0.84	21.1	<1.1	<0.91	24333	<1.2	21.9	<1.1
Carbon Tetrachloride	ug/m3	4.7	<0.92	<0.86	<0.95	<1.1	<0.92	157	<1.2	<1.4	<1.1
Chlorobenzene	ug/m3	52	<1.4	<1.3	<1.4	<1.6	<1.4	1733	<1.7	<2.1	<1.6
Chloroform	ug/m3	1.2	<1.4	<1.3	1.9	<0.87	<0.71	40	<1.8	<2.2	<1.7
Chloromethane	ug/m3	94	<0.6	0.91	<0.63	<0.74	1.1	3133	<0.77	<0.94	<0.71
Cyclohexane	ug/m3	6300	<1	<0.94	1300	1.8	1.8	210000	2.8	<1.6	4.6
Dibromochloromethane	ug/m3	1.0	<2.5	<2.3	<2.6	<3.0	<2.5	33	<3.2	<3.9	<2.9
Dibromoethane, 1,2-	ug/m3	0.047	<2.2	<2.1	<2.3	<2.7	<2.2	2	<2.9	<3.5	<2.6
Dichlorobenzene, 1,2-	ug/m3	210	<1.8	<1.6	<1.8	<2.1	<1.8	7000	<2.2	<2.7	<2
Dichlorobenzene, 1,3-	ug/m3	NES	<1.8	<1.6	<1.8	<2.1	<1.8	NES	<2.2	<2.7	<2
Dichlorobenzene, 1,4-	ug/m3	2.6	<1.8	<1.6	<1.8	<2.1	<1.8	87	65.1	11.8	<2
Dichlorodifluoromethane	ug/m3	100	2.7	2.8	<1.5	2.6	2.9	3333	77.4	2.4	2.1
Dichloroethane, 1,1-	ug/m3	18	<1.2	<1.1	<1.2	<1.4	<1.2	600	<1.5	<1.8	<1.4
Dichloroethane, 1,2-	ug/m3	1.1	0.85	<0.55	3.8	<0.72	<0.59	37	<0.75	<0.92	<0.69
Dichloroethylene, 1,1-	ug/m3	210	<1.2	<1.1	<1.2	<1.4	<1.2	7000	<1.5	<1.8	<1.4
Dichloroethylene, 1,2-cis-	ug/m3	NES	<1.2	<1.1	<1.2	<1.4	<1.2	NES	2.2	<1.8	<1.4
Dichloroethylene, 1,2-trans-	ug/m3	NES	<1.2	<1.1	<1.2	<1.4	<1.2	NES	<1.5	<1.8	<1.4
Dichloropropane, 1,2-	ug/m3	2.8	<1.4	<1.3	2.9	<1.6	<1.4	93	<1.7	<2.1	<1.6
Dichloropropene, 1,3-cis-	ug/m3	NES	<1.3	<1.2	<1.4	<1.6	<1.3	NES	<1.7	<2.1	<1.5
Dichloropropene, 1,3-trans-	ug/m3	NES	<1.3	<1.2	<3.4	<4.0	<3.3	NES	<1.7	<2.1	<1.5
Dichlorotetrafluoroethane	ug/m3	NES	<2	<1.9	<2.1	<2.5	<2.0	NES	<2.6	<3.2	<2.4
Ethanol	ug/m3	NES	39.7	8.3	387	42.3	8.3	NES	176	46.8	57.4
Ethyl Acetate	ug/m3	73	1.7	<0.98	1340	<1.3	1.2	2433	<1.3	<1.6	<1.2
Ethyl Chloride (Chloroethane)	ug/m3	10000	<0.78	<0.72	<0.8	<0.94	<0.78	333333	<0.99	<1.2	<0.91
Ethylbenzene	ug/m3	11	<1.3	<1.2	27.3	1.5	<1.3	367	3.7	<2	14.3
Ethyltoluene, 4-	ug/m3	NES	<1.4	<1.3	5.9	<1.8	<1.4	NES	4	<2.2	47.6
Heptane, N-	ug/m3	NES	2.6	2.1	365	1.6	2.1	NES	4.2	<1.9	7.6
Hexachlorobutadiene	ug/m3	1.3	<3.2	<2.9	<8.1	<9.5	<7.8	43	<4	<5	<3.7
Hexane, N-	ug/m3	730	1.3	0.98	72.2	2.6	<1.0	24333	3	17.4	4.9
Hexanone, 2-	ug/m3	130	<1.2	<1.1	<1.2	<1.5	<1.2	4333	<1.5	<1.9	18.9
Isopropanol	ug/m3	210	<0.72	<0.67	140	<2.2	<1.8	7000	16.8	<1.1	25.3
Methyl Ethyl Ketone (2-Butanone)	ug/m3	5200	3.8	3.3	119	4.4	4.2	173333	7.5	10.8	66.3
Methyl Isobutyl Ketone	ug/m3	3100	<1.2	<1.1	4.4	<3.6	<3.0	103333	<1.5	<1.9	12.4
Methyl tert-Butyl Ether (MTBE)	ug/m3	110	<1.1	<0.98	<1.1	<1.3	<1.1	3667	<1.3	<1.6	<1.2
Methylene Chloride	ug/m3	630	3.7	2.5	15.9	<6.2	<5.1	21000	26.9	136	25.7
Naphthalene	ug/m3	0.83	4.2	<1.4	19.2	5.4	<3.8	28	6.3	<2.4	9.2
Propylene	ug/m3	3100	<0.5	<0.47	7.5	4.4	<0.5	103333	<0.64	<0.79	<0.59
Styrene	ug/m3	1000	<1.3	<1.2	7.8	<1.5	<1.3	33333	2.7	<2	<1.5
Tetrachloroethane, 1,1,2,2-	ug/m3	0.48	<1	<0.94	<1.0	<1.2	<1.0	16	<1.3	<1.6	<1.2
Tetrachloroethylene	ug/m3	42	194	2	21	22.3	1.4	1400	187	12.7	9.8
Tetrahydrofuran	ug/m3	2100	<0.86	<0.8	<0.89	<1.0	<0.86	70000	<1.1	<1.4	<1
Toluene	ug/m3	5200	2.9	2	203	6.7	2.5	173333	9.7	9.6	10.3
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ug/m3	31000	<2.3	<2.1	<2.4	<2.8	<2.3	1033333	<2.9	<3.6	<2.7
Trichlorobenzene, 1,2,4-	ug/m3	2.1	<2.2	<2	<5.6	<6.6	<5.4	70	<2.8	<3.4	<2.5
Trichloroethane, 1,1,1-	ug/m3	5200	<1.6	<1.5	7.5	<1.9	<1.6	173333	<2	<2.5	<1.9
Trichloroethane, 1,1,2-	ug/m3	0.21	<0.79	<0.74	<0.82	<0.96	<0.79	7	<1	<1.2	<0.92
Trichloroethylene	ug/m3	2.1	4.1	<0.74	2.3	<0.96	<0.79	70	27.3	2.3	<0.92
Trichlorofluoromethane	ug/m3	730	2.8	<1.5	15.2	<2.0	<1.6	24333	<2.1	7.6	4.9
Trimethylbenzene, 1,2,4-	ug/m3	7.3	2.2	2.1	19	1.9	<1.4	243	9.6	6.8	285
Trimethylbenzene, 1,3,5-	ug/m3	NES	<1.4	<1.3	5.7	<1.7	<1.4	NES	<1.8	<2.2	110
Vinyl Acetate	ug/m3	210	<1	<0.96	<1.1	<1.3	2.5	7000	<1.3	<1.6	<1.2
Vinyl Chloride	ug/m3	2	<0.37	<0.35	<0.39	<0.46	<0.37	57	<0.48	<0.58	<0.44
Xylene, m&p-	ug/m3	NES	<2.5	<2.4	66.1	5.8	<2.5	NES	13.1	6.6	54
Xylene, o-	ug/m3	100	<1.3	<1.2	<1.3	1.9	<1.3	3333	4.8	2.7	46.7

NOTES:
† = WDNR Vapor Action Level (VAL); Based on the June 2015 EPA Generic RSL Table for Residential Air
ND = Not Detected
NES = No Established Standard in the Regional Screening Tables (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/)
Target Concentrations are based on non-residential exposure scenario
Target Indoor Air Concentration: To Satisfy Both the TCR of 1 in 100,000 ($1x10^{-5}$) and the THI of 1.0
Target Sub-Slab Soil-Gas Concentration: To Satisfy Both the TCR of 1 in 100,000 ($1x10^{-5}$), the THI of 1.0, and a vapor attenuation factor of 0.1
ug/m^3 = micrograms per cubic meter
Red/Bold = Exceeds the WDNR Vapor Action Level for Non-Residential Exposure Scenario
Green/Bold = Exceeds the WDNR Screening Level for Small Commercial Building Exposure Scenario
Purple/Bold = Exceeds the WDNR Screening Level for Residential Exposure Scenario

Table A.4 - Vapor Instrusion Sampling Results
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

		Shallow Soil-Gas Sample		Crawl-Space Samples	
Sample Location		Target Sub-Slab Soil-Gas Concentration TCR = 1x10-6 THI = 1.0 AF = 0.03	SVG-1 (Right-of-Way)	Target Crawl-Space Air Concentration TCR = 1x10-6 THI = 1.0 AF = 0.03	Tapatia Crawl-space (La Tapatia Restaurant)
Sample Date	Units		11/20/2013		8/18/2015
Sample Time					
Sample Method			TO-15		TO-15
Acetone	ug/m^3	1066667	11	32000	10.2
Benzene	ug/m^3	120	2.8	3.6	0.88
Benzyl Chloride	ug/m^3	19	<2	0.57	<4.6
Bromodichloromethane	ug/m^3	25	<2.6	0.76	<2.4
Bromoform	ug/m^3	867	<4	26	<3.7
Bromomethane	ug/m^3	173	<1.5	5.2	<1.4
Butadiene, 1,3-	ug/m^3	31	<0.86	0.94	<0.79
Carbon Disulfide	ug/m^3	24333	<1.2	730	<1.1
Carbon Tetrachloride	ug/m^3	157	<1.2	4.7	<1.1
Chlorobenzene	ug/m^3	1733	<1.8	52	<1.6
Chloroform	ug/m^3	40	<1.9	1.2	<0.87
Chloromethane	ug/m^3	3133	<0.81	94	<0.74
Cyclohexane	ug/m^3	210000	3.7	6300	<1.2
Dibromochloromethane	ug/m^3	33	<3.3	1.0	<3.0
Dibromoethane, 1,2-	ug/m^3	2	<3	0.047	<2.7
Dichlorobenzene, 1,2-	ug/m^3	7000	<2.3	210	<2.1
Dichlorobenzene, 1,3-	ug/m^3	NES	<2.3	NES	<2.1
Dichlorobenzene, 1,4-	ug/m^3	87	4.7	2.6	<2.1
Dichlorodifluoromethane	ug/m^3	3333	2.5	100	2.1
Dichloroethane, 1,1-	ug/m^3	600	<1.6	18	<1.4
Dichloroethane, 1,2-	ug/m^3	37	<0.79	1.1	<0.72
Dichloroethylene, 1,1-	ug/m^3	7000	<1.6	210	<1.4
Dichloroethylene, 1,2-cis-	ug/m^3	NES	<1.6	NES	<1.4
Dichloroethylene, 1,2-trans-	ug/m^3	NES	<1.6	NES	<1.4
Dichloropropane, 1,2-	ug/m^3	93	<1.8	2.8	<1.6
Dichloropropene, 1,3-cis-	ug/m^3	NES	<1.8	NES	<1.6
Dichloropropene, 1,3-trans-	ug/m^3	NES	<1.8	NES	<4.0
Dichlorotetrafluoroethane	ug/m^3	NES	<2.7	NES	<2.5
Ethanol	ug/m^3	NES	6.5	NES	8.7
Ethyl Acetate	ug/m^3	2433	<1.4	73	2.2
Ethyl Chloride (Chloroethane)	ug/m^3	333333	<1	10000	<0.94
Ethylbenzene	ug/m^3	367	4.6	11	<1.5
Ethyltoluene, 4-	ug/m^3	NES	3.8	NES	<1.8
Heptane, N-	ug/m^3	NES	4.8	NES	<1.5
Hexachlorobutadiene	ug/m^3	43	<4.2	1.3	<9.5
Hexane, N-	ug/m^3	24333	3.8	730	1.4
Hexanone, 2-	ug/m^3	4333	<1.6	130	<1.5
Isopropanol	ug/m^3	7000	1.2	210	<2.2
Methyl Ethyl Ketone (2-Butanone)	ug/m^3	173333	4.6	5200	4.5
Methyl Isobutyl Ketone	ug/m^3	103333	<1.6	3100	<3.6
Methyl tert-Butyl Ether (MTBE)	ug/m^3	3667	<1.4	110	<1.3
Methylene Chloride	ug/m^3	21000	3	630	<4.7
Naphthalene	ug/m^3	28	6.8	0.83	<4.7
Propylene	ug/m^3	103333	<0.67	3100	1.6
Styrene	ug/m^3	33333	<1.7	1000	<1.5
Tetrachloroethane, 1,1,2,2-	ug/m^3	16	<1.3	0.48	<1.2
Tetrachloroethylene	ug/m^3	1400	3.9	42	261
Tetrahydrofuran	ug/m^3	70000	<1.2	2100	<1.0
Toluene	ug/m^3	173333	18.2	5200	1.8
Trichloro-1,2,2-trifluoroethane, 1,1,2-	ug/m^3	1033333	<3.1	31000	<2.8
Trichlorobenzene, 1,2,4-	ug/m^3	70	<2.9	2.1	<6.6
Trichloroethane, 1,1,1-	ug/m^3	173333	<2.1	5200	<1.9
Trichloroethane, 1,1,2-	ug/m^3	7	<1.1	0.21	<0.96
Trichloroethylene	ug/m^3	70	<1.1	2.1	<0.96
Trichlorofluoromethane	ug/m^3	24333	<2.2	730	2.1
Trimethylbenzene, 1,2,4-	ug/m^3	243	11.1	7.3	<1.7
Trimethylbenzene, 1,3,5-	ug/m^3	NES	2.9	NES	<1.7
Vinyl Acetate	ug/m^3	7000	<1.4	210	2.4
Vinyl Chloride	ug/m^3	57	<0.5	2	<0.46
Xylene, m&p-	ug/m^3	NES	16.9	NES	<3.1
Xylene, o-	ug/m^3	3333	6	100	<1.5

NOTES:
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Target Concentrations are based on non-residential exposure scenario
Target Indoor Air Concentration: To Satisfy Both the TCR of 1 in 100,000 (1x10^{-5}) and the THI of 1.0
Target Sub-Slab Soil-Gas Concentration: To Satisfy Both the TCR of 1 in 100,000 (1x10^{-5}), the THI of 1.0, and a vapor attenuation factor of 0.1
ug/m^3 = micrograms per cubic meter
Red/Bold = Exceeds the WDNR Vapor Action Level for Non-Residential Exposure Scenario
Green/Bold = Exceeds the WDNR Screening Level for Small Commercial Building Exposure Scenario
Purple/Bold = Exceeds the WDNR Screening Level for Residential Exposure Scenario

Table A.2
Soil Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

	Soil RCLs																											
BORING #			**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**		**MW-6**	**MW-7**			**MW-8**		**MW-9**		**MW-10**		**MW-11**	**MW-14**	**MW-21**		**MW-22**		**MW-23**		**MW-24**		**MW-30**	
Soil Type																												fill, silt; fine sand
Interval of Smear Zone for Water (ft BGS)	**Direct Contact**	*Groundwater*																										2-4'
DEPTH to Water Table (ft BGS)	**Non-Industrial**	*Pathway*																										3
Date Collected			Dec-96	Dec-96	Dec-96	Dec-96	Dec-96		Apr-97	Apr-97			Apr-97		Apr-97		Apr-97		Dec-97	Oct-99	9/9/2008		9/9/2008		9/9/2008		9/9/2008		8/18/2015	
Sample Depth (ft BGS)			3-5'	2-2.5'	2-4'	1-3'	1-3'	3-5'	1-3'	1-3'	5-7'	9-11'	1-3'	5-7'	1-3'	5-7'	1-3'	5-7'	2-2.5'	1-3'	3.0	5.0	3.0	5.0	3.0	5.0	3.0	5.0	2-4'	8-10'
1,1,1,2-Tetrachloroethane	**2.59**	*0.0534*																											<0.025	<0.025
1,1,1-Trichloroethane	**640**	*0.14*																											<0.025	<0.025
1,1,2,2-Tetrachloroethane	**0.753**	*0.000156*																											<0.025	<0.025
1,1,2-Trichloroethane	**1.48**	*0.00324*																											<0.025	<0.025
1,1-Dichloroethane	**4.72**	*0.483*																											<0.025	<0.025
1,1-Dichloroethene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,1-Dichloropropene	NS	NS																											<0.025	<0.025
1,2,3-Trichlorobenzene	**48.9**	NS																											<0.025	<0.025
1,2,3-Trichloropropane	**0.005**	*0.0519*																											<0.025	<0.025
1,2,4-TMB	**89.8**	*1.38*																											<0.0476	<0.0476
1,2,4-Trichlorobenzene	**22**	*0.408*																											<0.025	<0.025
1,2-Dibromo-3-chloropropane	**0.008**	*0.000173*																											<0.0912	<0.0912
1,2-Dibromoethane (EDB)	**0.047**	*0.0000282*																											<0.025	<0.025
1,2-Dichlorobenzene	**376**	*1.17*																											<0.025	<0.025
1,2-Dichloroethane	**0.608**	*0.00284*																											<0.025	<0.025
1,2-Dichloropropane	**1.33**	*0.00332*																											<0.025	<0.025
1,3,5-TMB	**182**	*1.38*																											<0.025	<0.025
1,3-Dichlorobenzene	**297**	*1.15*																											<0.025	<0.025
1,3-Dichloropropane	**1490**	NS																											<0.025	<0.025
1,4-Dichlorobenzene	**3.48**	*0.144*																											<0.025	<0.025
2,2-Dichloropropane	**527**	NS																											<0.025	<0.025
2-Chlorotoluene	NS	NS																											<0.025	<0.025
4-Chlorotoluene	NS	NS																											<0.025	<0.025
Benzene	**1.49**	NS																											<0.025	<0.025
Bromobenzene	**354**	NS																											<0.025	<0.025
Bromochloromethane	**232**	NS																											<0.025	<0.025
Bromodichloromethane	**0.39**	*0.000326*																											<0.025	<0.025
Bromoform	**61.5**	*0.00233*																											<0.025	<0.025
Bromomethane	**10.3**	*0.00506*																											<0.0699	<0.0699
Carbon tetrachloride	**0.854**	*0.00388*																											<0.025	<0.025
Chlorobenzene	**392**	NS																											<0.025	<0.025
Chloroethane	NS	*0.227*																											<0.067	<0.067
Chloroform	**0.423**	*0.00333*																											<0.0464	<0.0464
Chloromethane	**171**	*0.0155*																											<0.025	<0.025
cis-1,2-Dichloroethene	**156**	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.061	ND	0.188	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.104
cis-1,3-Dichloropropene	**1220**	*0.000286*																											<0.025	<0.025
Dibromochloromethane	**0.933**	*0.032*																											<0.025	<0.025
Dibromomethane	**35**	NS																											<0.025	<0.025
Dichlorodifluoromethane	**135**	*3.09*																											<0.025	<0.025
Diisopropyl ether	**2260**	NS																											<0.025	<0.025
Ethylbenzene	**7.47**	*1.57*																											<0.025	<0.025
Hexachloro-1,3-butadiene	NS	NS																											<0.025	<0.025
Isopropylbenzene (Cumene)	**268**	NS																											<0.025	<0.025
Methylene Chloride	**60.7**	*0.00256*	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	*0.065*	*0.0491 J*	*0.0626 J*	*0.0654 J*	*0.0531 J*	*0.0548 J*	*0.0789*	*0.077*	*0.0849*	<0.025	<0.025
MTBE	**59.4**	*0.027*																											<0.025	<0.025
Naphthalene	**5.15**	*0.658*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.025	<0.025	0.051 J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.04	<0.04
n-Butylbenzene	**108**	NS																											<0.025	<0.025
n-Propylbenzene	NS	NS																											<0.025	<0.025
p-Isopropyltoluene	**162**	NS																											<0.025	<0.025
sec-Butylbenzene	**145**	NS																											<0.025	<0.025
Styrene	**867**	*0.22*																											<0.025	<0.025
tert-Butylbenzene	**183**	NS																											<0.025	<0.025
Tetrachloroethene	**30.7**	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	<0.025	<0.025	0.0406 J	<0.025	1.44	0.409	<0.025	<0.025	<0.025	0.932
Toluene	**818**	*1.11*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.025	<0.025	0.0349 J	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
trans-1,2-Dichloroethene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
trans-1,2-Dichloropropene	NS	NS																											<0.025	<0.025
Trichloroethene	**1.26**	*0.00358*	ND	ND	ND	ND	ND	ND	ND	ND	ND	*0.131*	ND	--	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	*0.13*
Trichlorofluoromethane	**1120**	NS																											<0.025	<0.025
Vinyl chloride	**0.067**	*0.000138*	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	*0.045*	ND	ND	ND	ND	ND	--	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Xylene	**258**	*3.94*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.05	<0.05	0.0318 J	<0.05	<0.05	<0.05	<0.05	<0.05		
Xylene, m&p	**778**																												<0.025	<0.025
Xylene, o	**434**																												<0.05	<0.05

Notes:
Bold Red font indicates DC RCL exceedance
Italic font indicates GW RCL Exceedance
Soil concentrations in mg/kg (ppm)

Table A.2
Soil Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

	Soil RCLs																									
BORING #			**SB-1**	**SB-2**	**SB-3**	**B-5**	**B-6**	**B-7**	**B-8**	**B-9**	**B-10**	**B-11**	**B-12**	**B-13**	**B-14**	**B-15**	**B-16**	**B-17**	**B-18**	**B-19**	**B-20**	**B-4**	**B-5**	**B-6**	**SB-21**	**SB-22**	**SB-23**
Soil Type																									Fill, silty sand	fine sand	fill, silty sand
Interval of Smear Zone for Water (ft BGS)	**Direct Contact**	*Groundwater*																							6-8'	1-3'	1-3'
DEPTH to Water Table (ft BGS)	**Non-Industrial**	*Pathway*																							7'	2'	2'
Date Collected			8/31/11	8/31/11	8/31/11	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Apr-97	Dec-96	Apr-97	Apr-97	Apr-97	Aug-99	Aug-99	Aug-99	8/18/15	8/18/15	8/18/15
Sample Depth (ft BGS)			1.0	1.0	1.0	5-6'	1-3'	1-3'	2-3'	2-3'	2	2-3'	2-3'	2-3'	2-3'	2-3'	2-3'	0.5-2.5'	2-3'	2-3'	2-3'	4-5'	4-5'	4-5'	2-4'	2-4'	2-4'
1,1,1,2-Tetrachloroethane	**2.59**	*0.0534*																							<0.025	<0.1	<0.025
1,1,1-Trichloroethane	**640**	*0.14*																							<0.025	<0.1	<0.025
1,1,2,2-Tetrachloroethane	**0.753**	*0.000156*																							<0.025	<0.1	<0.025
1,1,2-Trichloroethane	**1.48**	*0.00324*																							<0.025	<0.1	<0.025
1,1-Dichloroethane	**4.72**	*0.483*																							<0.025	<0.1	<0.025
1,1-Dichloroethene	NS	NS	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	<0.025	<0.1	<0.025
1,1-Dichloropropene	NS	NS																							<0.025	<0.1	<0.025
1,2,3-Trichlorobenzene	**48.9**	NS																							<0.025	<0.1	<0.025
1,2,3-Trichloropropane	**0.005**	*0.0519*																							<0.025	<0.1	<0.025
1,2,4-TMB	**89.8**	*1.38*																							<0.0476	<0.19	<0.0476
1,2,4-Trichlorobenzene	**22**	*0.408*																							<0.025	<0.1	<0.025
1,2-Dibromo-3-chloropropane	**0.008**	*0.000173*																							<0.0912	<0.365	<0.0912
1,2-Dibromoethane (EDB)	**0.047**	*0.0000282*																							<0.025	<0.1	<0.025
1,2-Dichlorobenzene	**376**	*1.17*																							<0.025	<0.1	<0.025
1,2-Dichloroethane	**0.608**	*0.00284*																							<0.025	<0.1	<0.025
1,2-Dichloropropane	**1.33**	*0.00332*																							<0.025	<0.1	<0.025
1,3,5-TMB	**182**	*1.38*																							<0.025	<0.1	<0.025
1,3-Dichlorobenzene	**297**	*1.15*																							<0.025	<0.1	<0.025
1,3-Dichloropropane	**1490**	NS																							<0.025	<0.1	<0.025
1,4-Dichlorobenzene	**3.48**	*0.144*																							<0.025	<0.1	<0.025
2,2-Dichloropropane	**527**	NS																							<0.025	<0.1	<0.025
2-Chlorotoluene	NS	NS																							<0.025	<0.1	<0.025
4-Chlorotoluene	NS	NS																							<0.025	<0.1	<0.025
Benzene	**1.49**	NS																							<0.025	<0.1	<0.025
Bromobenzene	**354**	NS																							<0.025	<0.1	<0.025
Bromochloromethane	**232**	NS																							<0.025	<0.1	<0.025
Bromodichloromethane	**0.39**	*0.000326*																							<0.025	<0.1	<0.025
Bromoform	**61.5**	*0.00233*																							<0.025	<0.1	<0.025
Bromomethane	**10.3**	*0.00506*																							<0.0699	<0.28	<0.0699
Carbon tetrachloride	**0.854**	*0.00388*																							<0.025	<0.1	<0.025
Chlorobenzene	**392**	NS																							<0.025	<0.1	<0.025
Chloroethane	NS	*0.227*																							<0.067	<0.268	<0.067
Chloroform	**0.423**	*0.00333*																							<0.0464	<0.186	<0.0464
Chloromethane	**171**	*0.0155*																							<0.025	<0.1	<0.025
cis-1,2-Dichloroethene	**156**	NS	0.041	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	0.0963	<0.1	<0.025
cis-1,3-Dichloropropene	**1220**	*0.000286*																							<0.025	<0.1	<0.025
Dibromochloromethane	**0.933**	*0.032*																							<0.025	<0.1	<0.025
Dibromomethane	**35**	NS																							<0.025	<0.1	<0.025
Dichlorodifluoromethane	**135**	*3.09*																							<0.025	<0.1	<0.025
Diisopropyl ether	**2260**	NS																							<0.025	<0.1	<0.025
Ethylbenzene	**7.47**	*1.57*																							<0.025	<0.1	<0.025
Hexachloro-1,3-butadiene	NS	NS																							<0.025	<0.1	<0.025
Isopropylbenzene (Cumene)	**268**	NS																							<0.025	<0.1	<0.025
Methylene Chloride	**60.7**	*0.00256*	<0.096	<0.09	<0.095	--	--	--	*0.486*	*0.668*	*0.038*	--	*0.046*	*0.802*	ND	ND	ND	ND	--	--	ND	ND	ND	ND	<0.025	<0.1	<0.025
MTBE	**59.4**	*0.027*																							<0.025	<0.1	<0.025
Naphthalene	**5.15**	*0.658*	<0.24	<0.22	<0.24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.04	<0.16	<0.04
n-Butylbenzene	**108**	NS																							<0.025	<0.1	<0.025
n-Propylbenzene	NS	NS																							<0.025	<0.1	<0.025
p-Isopropyltoluene	**162**	NS																							<0.025	<0.1	<0.025
sec-Butylbenzene	**145**	NS																							<0.025	<0.1	<0.025
Styrene	**867**	*0.22*																							<0.025	<0.1	<0.025
tert-Butylbenzene	**183**	NS																							<0.025	<0.1	<0.025
Tetrachloroethene	**30.7**	NS	0.042	0.078	0.032	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	2.47	<0.1	0.0424 J
Toluene	**818**	*1.11*	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.025	<0.1	<0.025
trans-1,2-Dichloroethene	NS	NS	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	<0.025	<0.1	<0.025
trans-1,2-Dichloropropene	NS	NS																							<0.025	<0.1	<0.025
Trichloroethene	**1.26**	*0.00358*	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	*0.361*	<0.1	<0.025
Trichlorofluoromethane	**1120**	NS																							<0.025	<0.1	<0.025
Vinyl chloride	**0.067**	*0.000138*	<0.024	<0.022	<0.024	--	--	--	--	--	--	--	--	--	ND	ND	ND	ND	--	--	ND	ND	ND	ND	<0.025	<0.1	<0.025
Xylene	**258**	*3.94*	<0.072	<0.067	<0.071	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Xylene, m&p	**778**																								<0.025	<0.1	<0.025
Xylene, o	**434**																								<0.05	<0.2	<0.05

Notes:
Bold Red font indicates DC RCL exceedance
Italic font indicates GW RCL Exceedance
Soil concentrations in mg/kg (ppm)

Table A.2
Soil Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

	Soil RCLs												
BORING #			**SB-24**	**SB-25**	**HA-1**	**HA-2**		**HA-3**		**HA-4**		**HA-5**	
Soil Type			fill, silty sand	fill, silty sand									
Interval of Smear Zone for Water (ft BGS)	**Direct Contact**	*Groundwater*	3-5'	3-5'									
DEPTH to Water Table (ft BGS)	**Non-Industrial**	*Pathway*	4'	4'									
Date Collected			8/18/15	8/18/15	8/31/11	8/31/11		8/31/11		8/31/11		8/31/11	
Sample Depth (ft BGS)			2-4'	2-4'	3.0	2.0	4.0	2.0	4.0	2.0	4.0	2.0	4.0
1,1,1,2-Tetrachloroethane	**2.59**	*0.0534*	<0.025	<0.025									
1,1,1-Trichloroethane	**640**	*0.14*	<0.025	<0.025									
1,1,2,2-Tetrachloroethane	**0.753**	*0.000156*	<0.025	<0.025									
1,1,2-Trichloroethane	**1.48**	*0.00324*	<0.025	<0.025									
1,1-Dichloroethane	**4.72**	*0.483*	<0.025	<0.025									
1,1-Dichloroethene	NS	NS	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	<0.027	<0.024	<0.57	<0.025
1,1-Dichloropropene	NS	NS	<0.025	<0.025									
1,2,3-Trichlorobenzene	**48.9**	NS	<0.025	<0.025									
1,2,3-Trichloropropane	**0.005**	*0.0519*	<0.025	<0.025									
1,2,4-TMB	**89.8**	*1.38*	<0.0476	<0.0476									
1,2,4-Trichlorobenzene	**22**	*0.408*	<0.025	<0.025									
1,2-Dibromo-3-chloropropane	**0.008**	*0.000173*	<0.0912	<0.0912									
1,2-Dibromoethane (EDB)	**0.047**	*0.0000282*	<0.025	<0.025									
1,2-Dichlorobenzene	**376**	*1.17*	<0.025	<0.025									
1,2-Dichloroethane	**0.608**	*0.00284*	<0.025	<0.025									
1,2-Dichloropropane	**1.33**	*0.00332*	<0.025	<0.025									
1,3,5-TMB	**182**	*1.38*	<0.025	<0.025									
1,3-Dichlorobenzene	**297**	*1.15*	<0.025	<0.025									
1,3-Dichloropropane	**1490**	NS	<0.025	<0.025									
1,4-Dichlorobenzene	**3.48**	*0.144*	<0.025	<0.025									
2,2-Dichloropropane	**527**	NS	<0.025	<0.025									
2-Chlorotoluene	NS	NS	<0.025	<0.025									
4-Chlorotoluene	NS	NS	<0.025	<0.025									
Benzene	**1.49**	NS	<0.025	<0.025									
Bromobenzene	**354**	NS	<0.025	<0.025									
Bromochloromethane	**232**	NS	<0.025	<0.025									
Bromodichloromethane	**0.39**	*0.000326*	<0.025	<0.025									
Bromoform	**61.5**	*0.00233*	<0.025	<0.025									
Bromomethane	**10.3**	*0.00506*	<0.0699	<0.0699									
Carbon tetrachloride	**0.854**	*0.00388*	<0.025	<0.025									
Chlorobenzene	**392**	NS	<0.025	<0.025									
Chloroethane	NS	*0.227*	<0.067	<0.067									
Chloroform	**0.423**	*0.00333*	<0.0464	<0.0464									
Chloromethane	**171**	*0.0155*	<0.025	<0.025									
cis-1,2-Dichloroethene	**156**	NS	<0.025	<0.025	<0.024	<0.022	<0.023	0.19	<0.022	2.4	0.1	<0.57	<1.2
cis-1,3-Dichloropropene	**1220**	*0.000286*	<0.025	<0.025									
Dibromochloromethane	**0.933**	*0.032*	<0.025	<0.025									
Dibromomethane	**35**	NS	<0.025	<0.025									
Dichlorodifluoromethane	**135**	*3.09*	<0.025	<0.025									
Diisopropyl ether	**2260**	NS	<0.025	<0.025									
Ethylbenzene	**7.47**	*1.57*	<0.025	<0.025									
Hexachloro-1,3-butadiene	NS	NS	<0.025	<0.025									
Isopropylbenzene (Cumene)	**268**	NS	<0.025	<0.025									
Methylene Chloride	**60.7**	*0.00256*	<0.025	<0.025	<0.096	<0.088	<0.094	<0.099	<0.087	<0.11	<0.096	<2.3	<4.9
MTBE	**59.4**	*0.027*	<0.025	<0.025									
Naphthalene	**5.15**	*0.658*	<0.04	<0.04	<0.24	<0.22	<0.023	<0.25	<0.22	<0.027	<0.24	<5.7	<12
n-Butylbenzene	**108**	NS	<0.025	<0.025									
n-Propylbenzene	NS	NS	<0.025	<0.025									
p-Isopropyltoluene	**162**	NS	<0.025	<0.025									
sec-Butylbenzene	**145**	NS	<0.025	<0.025									
Styrene	**867**	*0.22*	<0.025	<0.025									
tert-Butylbenzene	**183**	NS	<0.025	<0.025									
Tetrachloroethene	**30.7**	NS	<0.025	0.297	<0.024	<0.022	<0.023	<0.025	<0.022	0.69	<0.024	**42**	**56**
Toluene	**818**	*1.11*	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	<0.027	<0.024	<0.57	<1.2
trans-1,2-Dichloroethene	NS	NS	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	0.093	<0.024	<0.57	<1.2
trans-1,2-Dichloropropene	NS	NS	<0.025	<0.025									
Trichloroethene	**1.26**	*0.00358*	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	*0.23*	<0.024	<0.57	<1.2
Trichlorofluoromethane	**1120**	NS	<0.025	<0.025									
Vinyl chloride	**0.067**	*0.000138*	<0.025	<0.025	<0.024	<0.022	<0.023	<0.025	<0.022	<0.027	<0.024	<0.57	<1.2
Xylene	**258**	*3.94*			<0.072	<0.066	<0.07	<0.074	<0.065	<0.081	<0.072	<1.67	<3.7
Xylene, m&p	**778**		<0.025	<0.025									
Xylene, o	**434**		<0.05	<0.05									

Notes:
Bold Red font indicates DC RCL exceedance
Italic font indicates GW RCL Exceedance
Soil concentrations in mg/kg (ppm)

A.6. Water Level Elevations
Former Arcadia Dry Cleaners
Arcadia, Wisconsin
BRRTS # 02-62-259051

Well	Top-of-Casing Elevation	Date	Top-of-Casing to Water (feet)	Groundwater Elevation
MW-14	727.44	9/9/2008	NS	
		9/11/2009	4.76	722.68
		5/12/2011	3.64	723.8
		9/9/2011	4.22	723.22
		3/8/2012	3.66	723.78
		5/31/2012	4.07	723.37
		11/13/2013	4.02	723.42
		8/17/2015	3.91	723.53
MW-15	726.91	9/9/2008	NS	
		9/11/2009	3.88	723.03
		5/12/2011	NS	
		9/9/2011	3.88	723.03
		3/8/2012	3.35	723.56
		5/31/2012	3.74	723.17
		11/13/2013	3.66	723.25
		8/17/2015	3.51	723.40
MW-21	727.10	9/9/2008	4.31	722.79
		9/11/2009	4.16	722.94
		5/12/2011	3.17	723.93
		9/9/2011	3.72	723.38
		3/8/2012	3.19	723.91
		5/31/2012	3.61	723.49
		11/13/2013	3.55	723.55
		8/17/2015	3.43	723.67
MW-22	727.25	9/9/2008	2.94	724.31
		9/11/2009	4.17	723.08
		5/12/2011	2.98	724.27
		9/9/2011	3.55	723.70
		3/8/2012	3.07	724.18
		5/31/2012	3.44	723.81
		11/13/2013	3.47	723.78
		8/17/2015	3.51	723.74
MW-23	728.21	9/9/2008	3.30	724.91
		9/11/2009	5.30	722.91
		5/12/2011	4.04	724.17
		9/9/2011	4.64	723.57
		3/8/2012	4.06	724.15
		5/31/2012	4.51	723.70
		11/13/2013	4.4	723.81
		8/17/2015	4.32	723.89

A.6. Water Level Elevations
Former Arcadia Dry Cleaners
Arcadia, Wisconsin
BRRTS # 02-62-259051

Well	Top-of-Casing Elevation	Date	Top-of-Casing to Water (feet)	Groundwater Elevation
MW-24	728.09	9/9/2008	4.46	723.63
		9/11/2009	5.35	722.74
		5/12/2011	4.05	724.04
		9/9/2011	4.65	723.44
		3/8/2012	4.05	724.04
		5/31/2012	4.53	723.56
		11/13/2013	4.41	723.68
		8/17/2015	4.22	723.87
MW-25	727.32	9/9/2011	4.25	723.07
		3/8/2012	3.68	723.64
		5/31/2012	4.1	723.22
		11/13/2013	4.02	723.30
		8/17/2015	3.9	723.42
MW-26	725.73	9/9/2011	2.56	723.69
		3/8/2012	2.04	723.69
		5/31/2012	2.43	723.30
		11/13/2013	2.36	723.37
		8/17/2015	2.54	723.19
MW-27	726.28	9/9/2011	3.53	722.75
		3/8/2012	3.01	723.27
		5/31/2012	3.41	722.87
		11/13/2013	3.29	722.99
		8/17/2015	3.32	722.96
MW-30	725.98	8/18/2015	3.26	722.72
PZ-1	726.93	9/9/2011	3.56	723.37
		3/8/2012	3.01	723.92
		5/31/2012	3.43	723.50
		11/13/2013	3.42	723.51
		8/17/2015	3.35	723.58
PZ-2	725.87	9/9/2011	2.9	722.97
		3/8/2012	2.39	723.48
		5/31/2012	2.78	723.09
		11/13/2013	2.7	723.17
		8/17/2015	2.67	723.20

Notes:
NS: Not Sampled

Table A.1 - Groundwater VOC Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

Well Number		NR 140.10 Table 1		MW-1/MW-15												MW-2			MW-3		
Sample Date	Units	PAL	ES	12/16/1996	1/21/1997	3/16/1999	6/11/1999	10/25/1999	6/23/2000	4/20/2001	9/11/2009	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/18/2015	12/16/1996	1/21/1997	3/16/1999	12/15/1997	1/21/1997	3/16/1999
1,1,1,2-Tetrachloroethane	µg/l	*7*	**70**													< 1.8								
1,1,1-Trichloroethane	µg/l	*40*	**200**													< 5.0								
1,1,2,2-Tetrachloroethane	µg/l	*0.02*	**0.2**													< 2.5								
1,1,2-Trichloroethane	µg/l	*0.5*	**5**													< 2.0								
1,1-Dichloroethane	µg/l	*85*	**850**													< 2.4								
1,1-Dichloroethene	µg/l	*0.7*	**7**								< 2.8	< 50	< 5.0	< 0.50	< 50	< 4.1								
1,2,4-Trimethylbenzene	µg/l	*96**	**480***								< 9	< 100	< 10	4.3	4.3	< 5.0								
1,2-Dichloroethane (1,2-DCA)	µg/l	*0.5*	**5**								< 1.8	< 50	< 5.0	< 0.50	< 0.50	< 1.7								
1,1-Dichloropropene	µg/l	NES	NES													< 4.4								
1,2,3-Trichlorobenzene	µg/l	NES	NES													< 21.3								
1,2,3-Trichloropropane	µg/l	*12*	**60**													< 5.0								
1,2,4-Trichlorobenzene	µg/l	*14*	**70**													< 22.1								
1,3,5-Trimethylbenzene	µg/l	*96**	**480***								< 9.0	< 100	< 10	4.3	4.3	< 5.0								
1,2-Dibromo-3-chloropropane	µg/l	*0.02*	**0.2**													< 21.6								
1,2-Dibromoethane	µg/l	*0.005*	**0.05**													< 1.8								
1,2-Dichlorobenzene	µg/l	*60*	**600**													< 5.0								
Benzene	µg/l	*0.5*	**5**								< 2.0	< 50	< 5.0	*0.67*	< 50	< 5.0								
1,2-Dichloropropane	µg/l	*0.5*	**5**													< 2.3								
Chloroform	µg/l	*0.6*	**6**								< 6.5		< 5.0	< 0.50	< 0.50	< 25.0								
1,3-Dichlorobenzene	µg/l	*120*	**600**													< 5.0								
1,3-Dichloropropane	µg/l	NES	NES													< 5.0								
1,4-Dichlorobenzene	µg/l	*15*	**75**													< 5.0								
2,2-Dichloropropane	µg/l	NES	NES													< 4.8								
2-Chlorotoluene	µg/l	NES	NES													< 5.0								
4-Chlorotoluene	µg/l	NES	NES													< 2.1								
cis-1,2-Dichloroethene (DCE)	µg/l	*7*	**70**	270	553	1300	900	780	940	1500	86.7	1,700	240	*54*	420	675	161	171	*44*	< 1.0	< 20	< 1.0		
Bromobenzene	µg/l	NES	NES													< 2.3								
Bromochloromethane	µg/l	NES	NES													< 3.4								
Bromodichloromethane	µg/l	*0.06*	**0.6**													< 5.0								
Bromoform	µg/l	*0.44*	**4.4**													< 5.0								
Bromomethane	µg/l	*1*	**10**													< 24.3								
Carbon Tetrachloride	µg/l	*0.5*	**5**													< 5.0								
Chlorobenzene	µg/l	NES	NES													< 5.0								
Chlorodibromomethane	µg/l	*6*	**60**													< 5.0								
Chloroethane	µg/l	*80*	**400**													< 3.7								
Ethylbenzene	µg/l	*140*	**700**								< 2.7	< 50	< 5.0	1.1	< 50	< 5.0								
Chloromethane	µg/l	*3*	**30**													< 5.0								
cis-1,3-Dichloropropene	µg/l	*0.02*	**0.2**													< 5.0								
Dibromomethane	µg/l	NES	NES													< 4.3								
Dichlorodifluoromethane	µg/l	*200*	**1000**													< 2.2								
Diisopropyl Ether	µg/l	NES	NES													< 5.0								
Methylene Chloride	µg/l	*0.5*	**5**								< 2.2		< 20	< 2.0	< 2.0	< 2.3								
Fluorotrichloromethane	µg/l	*698*	**3490**													< 1.8								
Hexachlorobutadiene	µg/l	NES	NES													< 21.1								
Isopropylbenzene	µg/l	NES	NES													< 1.4								
Methyl-tert-butyl-ether (MTBE)	µg/l	*12*	**60**								< 3.0	< 50	< 5.0	< 0.50	< 0.50	< 1.7								
Naphthalene	µg/l	*10*	**100**								< 4.4	< 500	< 50	< 5.0	< 5.0	< 25								
Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	340	1860	13000	9900	4900	9300	2000	444	< 50	< 5.0	16	480	337	97	< 50	< 12	< 1.0	< 10	< 1.0		
n-Butylbenzene	µg/l	NES	NES													< 5.0								
n-Propylbenzene	µg/l	NES	NES													< 5.0								
p-Isopropyltoluene	µg/l	NES	NES													< 5.0								
sec-Butylbenzene	µg/l	NES	NES													< 21.9								
Styrene	µg/l	*10*	**100**													< 5.0								
tert-Butylbenzene	µg/l	NES	NES													< 1.8								
Toluene	µg/l	*160*	**800**								< 3.4	< 50	6.0	< 0.50	< 50	< 5.0								
trans-1,2-Dichloroethene (DCE)	µg/l	*20*	**100**								< 4.4	< 50	5.4	0.62	< 50	2.9								
trans-1,3-Dichloropropene	µg/l	*0.02*	**0.2**													< 2.3								
Trichloroethene (TCE)	µg/l	*0.5*	**5**	310	1340	2500	2700	2100	1400	3300	236	590	< 5.0	*2.9*	1500	2940	< 25	< 25	< 12	< 1.0	5.0	< 1.0		
Vinyl Chloride	µg/l	*0.02*	**0.2**	59	< 20	< 62	280	< 50	100	350	19.8	< 50	74	29	190	74.2	< 25	< 10	< 12	7.0	4.7	5.7		
Xylene, o	µg/l	*400*	**2000**								13.2	< 150	< 15	< 1.50	< 150	< 5.0								
Xylenes, m + p	µg/l	*400*	**2000**													< 10.0								

NOTES

* = Sample collected by Key Engineering
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
J = Estimated concentration at or above the LOD and below the LOQ.

Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedence
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedence

Table A.1 - Groundwater VOC Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

Well Number		NR 140.10 Table 1		MW-4/MW-25								MW-5				MW-6		
Sample Date	Units	PAL	ES	12/15/1997	1/21/1997	3/16/1999	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/17/2015	12/15/1997	1/21/1997	3/16/1999	4/20/2001	4/23/1997	3/16/1999	4/20/2001
1,1,1,2-Tetrachloroethane	µg/l	*7*	**70**								< 0.18							
1,1,1-Trichloroethane	µg/l	*40*	**200**								< 0.50							
1,1,2,2-Tetrachloroethane	µg/l	*0.02*	**0.2**								< 0.25							
1,1,2-Trichloroethane	µg/l	*0.5*	**5**								< 0.20							
1,1-Dichloroethane	µg/l	*85*	**850**								< 0.24							
1,1-Dichloroethene	µg/l	*0.7*	**7**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.41							
1,2,4-Trimethylbenzene	µg/l	*96**	**480***				< 1.0	< 1.0	< 1.0	< 1.0	< 0.50							
1,2-Dichloroethane (1,2-DCA)	µg/l	*0.5*	**5**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.17							
1,1-Dichloropropene	µg/l	NES	NES								< 0.44							
1,2,3-Trichlorobenzene	µg/l	NES	NES								< 2.1							
1,2,3-Trichloropropane	µg/l	*12*	**60**								< 0.50							
1,2,4-Trichlorobenzene	µg/l	*14*	**70**								< 2.2							
1,3,5-Trimethylbenzene	µg/l	*96**	**480***				< 1.0	< 1.0	< 1.0	< 1.0	< 0.50							
1,2-Dibromo-3-chloropropane	µg/l	*0.02*	**0.2**								< 2.2							
1,2-Dibromoethane	µg/l	*0.005*	**0.05**								< 0.18							
1,2-Dichlorobenzene	µg/l	*60*	**600**								< 0.50							
Benzene	µg/l	*0.5*	**5**				*0.67*	< 0.50	< 0.50	16	< 0.50							
1,2-Dichloropropane	µg/l	*0.5*	**5**								< 0.23							
Chloroform	µg/l	*0.6*	**6**				< 0.50	< 0.50	< 0.50	< 0.50	< 2.5							
1,3-Dichlorobenzene	µg/l	*120*	**600**								< 0.50							
1,3-Dichloropropane	µg/l	NES	NES								< 0.50							
1,4-Dichlorobenzene	µg/l	*15*	**75**								< 0.50							
2,2-Dichloropropane	µg/l	NES	NES								< 0.48							
2-Chlorotoluene	µg/l	NES	NES								< 0.50							
4-Chlorotoluene	µg/l	NES	NES								< 0.21							
cis-1,2-Dichloroethene (DCE)	µg/l	*7*	**70**	< 1	< 2	< 0.25	0.7	0.88	0.80	< 0.50	5.0	< 1.0	< 5.0	< 0.25	< 0.25	150	290	*35*
Bromobenzene	µg/l	NES	NES								< 0.23							
Bromochloromethane	µg/l	NES	NES								< 0.34							
Bromodichloromethane	µg/l	*0.06*	**0.6**								< 0.50							
Bromoform	µg/l	*0.44*	**4.4**								< 0.50							
Bromomethane	µg/l	*1*	**10**								< 2.4							
Carbon Tetrachloride	µg/l	*0.5*	**5**								< 0.50							
Chlorobenzene	µg/l	NES	NES								< 0.50							
Chlorodibromomethane	µg/l	*6*	**60**								< 0.50							
Chloroethane	µg/l	*80*	**400**								< 0.37							
Ethylbenzene	µg/l	*140*	**700**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50							
Chloromethane	µg/l	*3*	**30**								< 0.50							
cis-1,3-Dichloropropene	µg/l	*0.02*	**0.2**								< 0.50							
Dibromomethane	µg/l	NES	NES								< 0.43							
Dichlorodifluoromethane	µg/l	*200*	**1000**								< 0.22							
Diisopropyl Ether	µg/l	NES	NES								< 0.50							
Methylene Chloride	µg/l	*0.5*	**5**				< 2.0	< 2.0	< 2.0	< 2.0	< 0.23							
Fluorotrichloromethane	µg/l	*698*	**3490**								< 0.18							
Hexachlorobutadiene	µg/l	NES	NES								< 2.1							
Isopropylbenzene	µg/l	NES	NES								< 0.14							
Methyl-tert-butyl-ether (MTBE)	µg/l	*12*	**60**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.17							
Naphthalene	µg/l	*10*	**100**				< 5.0	< 5.0	< 5.0	< 5.0	< 2.5							
Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	< 1	< 1	< 0.25	< 0.50	< 0.50	*1.4*	< 0.50	< 0.50	< 1.0	< 5.0	< 0.25	< 0.25	< 1.0	< 1.2	< 0.50
n-Butylbenzene	µg/l	NES	NES								< 0.50							
n-Propylbenzene	µg/l	NES	NES								< 0.50							
p-Isopropyltoluene	µg/l	NES	NES								< 0.50							
sec-Butylbenzene	µg/l	NES	NES								< 2.2							
Styrene	µg/l	*10*	**100**								< 0.50							
tert-Butylbenzene	µg/l	NES	NES								< 0.18							
Toluene	µg/l	*160*	**800**				< 0.50	0.51	< 0.50	< 0.50	< 0.50							
trans-1,2-Dichloroethene (DCE)	µg/l	*20*	**100**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.26							
trans-1,3-Dichloropropene	µg/l	*0.02*	**0.2**								< 0.23							
Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 1.0	< 0.50	< 0.25	< 0.50	< 0.50	< 0.50	< 0.50	< 0.33	< 1.0	< 2.5	< 0.25	< 0.25	< 0.5	*2.5*	< 0.50
Vinyl Chloride	µg/l	*0.02*	**0.2**	2.6	2.3	< 0.25	0.78	0.80	0.97	2.20	0.93	1.6	< 1.0	< 0.25	0.69	1.6	170	110
Xylene, o	µg/l	*400*	**2000**				< 1.50	< 1.50	< 1.50	1.8	< 0.50							
Xylenes, m + p	µg/l	*400*	**2000**								< 1.0							

NOTES

* = Sample collected by Key Engineering
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
J = Estimated concentration at or above the LOD and below the LOQ.

Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedence
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedence

Table A.1 - Groundwater VOC Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

Well Number		NR 140.10 Table 1		MW-7/MW-26								MW-8		MW-9		MW-10	
Sample Date	Units	PAL	ES	4/23/1997	3/16/1999	4/20/2001	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/17/2015	4/23/1997	3/16/1999	4/23/1997	3/16/1999	4/23/1997	3/16/1999
1,1,1,2-Tetrachloroethane	µg/l	*7*	**70**								< 0.18						
1,1,1-Trichloroethane	µg/l	*40*	**200**								< 0.50						
1,1,2,2-Tetrachloroethane	µg/l	*0.02*	**0.2**								< 0.25						
1,1,2-Trichloroethane	µg/l	*0.5*	**5**								< 0.20						
1,1-Dichloroethane	µg/l	*85*	**850**								< 0.24						
1,1-Dichloroethene	µg/l	*0.7*	**7**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.41						
1,2,4-Trimethylbenzene	µg/l	*96**	**480***				< 1.0	< 1.0	< 1.0	< 1.0	< 0.50						
1,2-Dichloroethane (1,2-DCA)	µg/l	*0.5*	**5**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.17						
1,1-Dichloropropene	µg/l	NES	NES								< 0.44						
1,2,3-Trichlorobenzene	µg/l	NES	NES								< 2.1						
1,2,3-Trichloropropane	µg/l	*12*	**60**								< 0.50						
1,2,4-Trichlorobenzene	µg/l	*14*	**70**								< 2.2						
1,3,5-Trimethylbenzene	µg/l	*96**	**480***				< 1.0	< 1.0	< 1.0	< 1.0	< 0.50						
1,2-Dibromo-3-chloropropane	µg/l	*0.02*	**0.2**								< 2.2						
1,2-Dibromoethane	µg/l	*0.005*	**0.05**								< 0.18						
1,2-Dichlorobenzene	µg/l	*60*	**600**								< 0.50						
Benzene	µg/l	*0.5*	**5**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
1,2-Dichloropropane	µg/l	*0.5*	**5**								< 0.23						
Chloroform	µg/l	*0.6*	**6**				< 0.50	< 0.50	< 0.50	< 0.50	< 2.5						
1,3-Dichlorobenzene	µg/l	*120*	**600**								< 0.50						
1,3-Dichloropropane	µg/l	NES	NES								< 0.50						
1,4-Dichlorobenzene	µg/l	*15*	**75**								< 0.50						
2,2-Dichloropropane	µg/l	NES	NES								< 0.48						
2-Chlorotoluene	µg/l	NES	NES								< 0.50						
4-Chlorotoluene	µg/l	NES	NES								< 0.21						
cis-1,2-Dichloroethene (DCE)	µg/l	*7*	**70**	953	960	390	2.2	0.78	< 0.50	2.8	0.31	< 20.0	< 2.0	2.20	1.1	< 2.0	0.60
Bromobenzene	µg/l	NES	NES								< 0.23						
Bromochloromethane	µg/l	NES	NES								< 0.34						
Bromodichloromethane	µg/l	*0.06*	**0.6**								< 0.50						
Bromoform	µg/l	*0.44*	**4.4**								< 0.50						
Bromomethane	µg/l	*1*	**10**								< 2.4						
Carbon Tetrachloride	µg/l	*0.5*	**5**								< 0.50						
Chlorobenzene	µg/l	NES	NES								< 0.50						
Chlorodibromomethane	µg/l	*6*	**60**								< 0.50						
Chloroethane	µg/l	*80*	**400**								< 0.37						
Ethylbenzene	µg/l	*140*	**700**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.50						
Chloromethane	µg/l	*3*	**30**								1.3						
cis-1,3-Dichloropropene	µg/l	*0.02*	**0.2**								< 0.50						
Dibromomethane	µg/l	NES	NES								< 0.43						
Dichlorodifluoromethane	µg/l	*200*	**1000**								< 0.22						
Diisopropyl Ether	µg/l	NES	NES								< 0.50						
Methylene Chloride	µg/l	*0.5*	**5**				< 2.0	< 2.0	< 2.0	< 2.0	< 0.23						
Fluorotrichloromethane	µg/l	*698*	**3490**								< 0.18						
Hexachlorobutadiene	µg/l	NES	NES								< 2.1						
Isopropylbenzene	µg/l	NES	NES								< 0.14						
Methyl-tert-butyl-ether (MTBE)	µg/l	*12*	**60**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.17						
Naphthalene	µg/l	*10*	**100**				< 5.0	< 5.0	< 5.0	< 5.0	< 2.5						
Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	13.9	< 2.5	< 5.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10.0	< 2.0	< 1.0	< 0.25	< 1.0	< 0.25
n-Butylbenzene	µg/l	NES	NES								< 0.50						
n-Propylbenzene	µg/l	NES	NES								< 0.50						
p-Isopropyltoluene	µg/l	NES	NES								< 0.50						
sec-Butylbenzene	µg/l	NES	NES								< 2.2						
Styrene	µg/l	*10*	**100**								< 0.50						
tert-Butylbenzene	µg/l	NES	NES								< 0.18						
Toluene	µg/l	*160*	**800**				< 0.50	0.60	< 0.50	< 0.50	< 0.50						
trans-1,2-Dichloroethene (DCE)	µg/l	*20*	**100**				< 0.50	< 0.50	< 0.50	< 0.50	< 0.26						
trans-1,3-Dichloropropene	µg/l	*0.02*	**0.2**								< 0.23						
Trichloroethene (TCE)	µg/l	*0.5*	**5**	855	< 2.5	78	< 0.50	< 0.50	< 0.50	< 0.50	< 0.33	< 5.0	< 2.0	< 0.5	< 0.25	< 0.5	< 0.25
Vinyl Chloride	µg/l	*0.02*	**0.2**	1.6	42	< 5.0	< 0.50	< 0.50	< 0.50	0.50	< 0.18	37.0	< 2.0	5.2	3.5	3.1	2.7
Xylene, o	µg/l	*400*	**2000**				< 1.5	< 1.5	< 1.5	< 1.5	< 0.50						
Xylenes, m + p	µg/l	*400*	**2000**								< 1.0						

NOTES

* = Sample collected by Key Engineering
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
J = Estimated concentration at or above the LOD and below the LOQ.

Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedence
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedence

Table A.1 - Groundwater VOC Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

Well Number		NR 140.10 Table 1		MW-11/MW-27							MW-12/PZ-2							MW-13
Sample Date	Units	PAL	ES	12/5/1997	3/16/1999	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/17/2015	3/16/1999	4/20/2001	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/17/2015	3/16/1999
1,1,1,2-Tetrachloroethane	µg/l	*7*	**70**							< 0.18							< 0.18	
1,1,1-Trichloroethane	µg/l	*40*	**200**							< 0.50							< 0.50	
1,1,2,2-Tetrachloroethane	µg/l	*0.02*	**0.2**							< 0.25							< 0.25	
1,1,2-Trichloroethane	µg/l	*0.5*	**5**							< 0.20							< 0.20	
1,1-Dichloroethane	µg/l	*85*	**850**							< 0.24							< 0.24	
1,1-Dichloroethene	µg/l	*0.7*	**7**			< 0.50	< 0.50	< 0.50	< 0.50	< 0.41		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.41	
1,2,4-Trimethylbenzene	µg/l	*96**	**480***			< 1.0	< 1.0	< 1.0	< 1.0	< 0.50		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	
1,2-Dichloroethane (1,2-DCA)	µg/l	*0.5*	**5**			< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17	
1,1-Dichloropropene	µg/l	NES	NES							< 0.44							< 0.44	
1,2,3-Trichlorobenzene	µg/l	NES	NES							< 2.1							< 2.1	
1,2,3-Trichloropropane	µg/l	*12*	**60**							< 0.50							< 0.50	
1,2,4-Trichlorobenzene	µg/l	*14*	**70**							< 2.2							< 2.2	
1,3,5-Trimethylbenzene	µg/l	*96**	**480***			< 1.0	< 1.0	< 1.0	< 1.0	< 0.50		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	
1,2-Dibromo-3-chloropropane	µg/l	*0.02*	**0.2**							< 2.2							< 2.2	
1,2-Dibromoethane	µg/l	*0.005*	**0.05**							< 0.18							< 0.18	
1,2-Dichlorobenzene	µg/l	*60*	**600**							< 0.50							< 0.50	
Benzene	µg/l	*0.5*	**5**			12	7.9	11	7.0	6.6		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
1,2-Dichloropropane	µg/l	*0.5*	**5**							< 0.23							< 0.23	
Chloroform	µg/l	*0.6*	**6**			< 0.50	< 0.50	< 0.50	< 0.50	< 2.5		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5	
1,3-Dichlorobenzene	µg/l	*120*	**600**							< 0.50							< 0.50	
1,3-Dichloropropane	µg/l	NES	NES							< 0.50							< 0.50	
1,4-Dichlorobenzene	µg/l	*15*	**75**							< 0.50							< 0.50	
2,2-Dichloropropane	µg/l	NES	NES							< 0.48							< 0.48	
2-Chlorotoluene	µg/l	NES	NES							< 0.50							< 0.50	
4-Chlorotoluene	µg/l	NES	NES							< 0.21							< 0.21	
cis-1,2-Dichloroethene (DCE)	µg/l	*7*	**70**	< 2.0	< 0.25	< 0.50	2.9	4.5	< 0.50	< 0.26	1.9	< 0.25	< 0.50	< 0.50	< 0.50	< 0.50	< 0.26	1.0
Bromobenzene	µg/l	NES	NES							< 0.23							< 0.23	
Bromochloromethane	µg/l	NES	NES							< 0.34							< 0.34	
Bromodichloromethane	µg/l	*0.06*	**0.6**							< 0.50							< 0.50	
Bromoform	µg/l	*0.44*	**4.4**							< 0.50							< 0.50	
Bromomethane	µg/l	*1*	**10**							< 2.4							< 2.4	
Carbon Tetrachloride	µg/l	*0.5*	**5**							< 0.50							< 0.50	
Chlorobenzene	µg/l	NES	NES							< 0.50							< 0.50	
Chlorodibromomethane	µg/l	*6*	**60**							< 0.50							< 0.50	
Chloroethane	µg/l	*80*	**400**							< 0.37							< 0.37	
Ethylbenzene	µg/l	*140*	**700**			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	
Chloromethane	µg/l	*3*	**30**							< 0.50							< 0.50	
cis-1,3-Dichloropropene	µg/l	*0.02*	**0.2**							< 0.50							< 0.50	
Dibromomethane	µg/l	NES	NES							< 0.43							< 0.43	
Dichlorodifluoromethane	µg/l	*200*	**1000**							< 0.22							< 0.22	
Diisopropyl Ether	µg/l	NES	NES							< 0.50							< 0.50	
Methylene Chloride	µg/l	*0.5*	**5**			< 2.0	< 2.0	< 2.0	< 2.0	< 0.23		< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 0.23	
Fluorotrichloromethane	µg/l	*698*	**3490**							< 0.18							< 0.18	
Hexachlorobutadiene	µg/l	NES	NES							< 2.1							< 2.1	
Isopropylbenzene	µg/l	NES	NES							0.28							< 0.14	
Methyl-tert-butyl-ether (MTBE)	µg/l	*12*	**60**			< 0.50	< 0.50	< 0.50	< 0.50	< 0.17		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17	
Naphthalene	µg/l	*10*	**100**			< 5.0	< 5.0	< 5.0	< 5.0	< 2.5		< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.5	
Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	< 1.0	< 0.25	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.25	< 0.25	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.25
n-Butylbenzene	µg/l	NES	NES							< 0.50							< 0.50	
n-Propylbenzene	µg/l	NES	NES							< 0.50							< 0.50	
p-Isopropyltoluene	µg/l	NES	NES							< 0.50							< 0.50	
sec-Butylbenzene	µg/l	NES	NES							< 2.2							< 2.2	
Styrene	µg/l	*10*	**100**							< 0.50							< 0.50	
tert-Butylbenzene	µg/l	NES	NES							< 0.18							< 0.18	
Toluene	µg/l	*160*	**800**			< 0.50	< 0.50	< 0.50	< 0.50	< 0.50		< 0.50	0.53	< 0.50	< 0.50	< 0.50	< 0.50	
trans-1,2-Dichloroethene (DCE)	µg/l	*20*	**100**			< 0.50	< 0.50	< 0.50	< 0.50	< 0.26		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.26	
trans-1,3-Dichloropropene	µg/l	*0.02*	**0.2**							< 0.23							< 0.23	
Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.5	< 0.25	< 0.50	< 0.50	< 0.50	< 0.50	< 0.33	< 0.25	< 0.25	< 0.50	< 0.50	< 0.50	< 0.50	< 0.33	< 0.25
Vinyl Chloride	µg/l	*0.02*	**0.2**	4.08	< 0.25	< 0.50	5.6	11	8.5	2.6	< 0.25	< 0.25	< 0.50	< 0.50	< 0.50	< 0.50	< 0.18	< 0.25
Xylene, o	µg/l	*400*	**2000**			1.4	< 1.50	< 1.50	< 1.50	< 0.50			< 1.50	< 1.50	< 1.50	< 1.50	< 0.50	
Xylenes, m + p	µg/l	*400*	**2000**							< 1.0							< 1.0	

NOTES

* = Sample collected by Key Engineering
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
J = Estimated concentration at or above the LOD and below the LOQ.

Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedence
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedence

Table A.1 - Groundwater VOC Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

Well Number		NR 140.10 Table 1		MW-14									MW-21							
Sample Date	Units	PAL	ES	10/25/1999	4/20/2001	9/11/2009	5/12/2011	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/18/2015	9/29/2008	9/11/2009	5/12/2011	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/17/2015
1,1,1,2-Tetrachloroethane	µg/l	*7*	**70**									< 0.90								< 18.1
1,1,1-Trichloroethane	µg/l	*40*	**200**									< 2.5								< 50.0
1,1,2,2-Tetrachloroethane	µg/l	*0.02*	**0.2**									< 1.2								< 24.9
1,1,2-Trichloroethane	µg/l	*0.5*	**5**									< 0.99								< 19.7
1,1-Dichloroethane	µg/l	*85*	**850**									< 1.2								< 24.2
1,1-Dichloroethene	µg/l	*0.7*	**7**			< 14.2	< <2.8	< <50	< <130	*2.8*	< 50	< 2.1	< 0.57	< 1.4	*5.3*	**8.4**	< 5.0	*4.6*	*5.0*	< 41.0
1,2,4-Trimethylbenzene	µg/l	*96**	**480***			< 45.0	< <9.0	< <100	< <260	< 1.0	< 1.0	< 2.5	< 1.8	< 4.5	< 9.0	< 10	< 10	< 1.0	< 1.0	< 50.0
1,2-Dichloroethane (1,2-DCA)	µg/l	*0.5*	**5**			< 9.0	< <1.8	< <50	< <130	< 0.50	< 0.50	< 0.84	< 0.36	< 0.90	< 1.8	< 5.0	< 5.0	< 0.50	< 0.50	< 16.8
1,1-Dichloropropene	µg/l	NES	NES									< 2.2								< 44.1
1,2,3-Trichlorobenzene	µg/l	NES	NES									< 10.7								< 213
1,2,3-Trichloropropane	µg/l	*12*	**60**									< 2.5								< 50.0
1,2,4-Trichlorobenzene	µg/l	*14*	**70**									< 11.0								< 221
1,3,5-Trimethylbenzene	µg/l	*96**	**480***			< 45.0	< 9.0	< 100	< 260	< 1.0	< 1.0	< 2.5	< 1.8	< 4.5	< 9.0	< 10	< 10	< 1.0	< 1.0	< 50.0
1,2-Dibromo-3-chloropropane	µg/l	*0.02*	**0.2**									< 10.8								< 216
1,2-Dibromoethane	µg/l	*0.005*	**0.05**									< 0.89								< 17.8
1,2-Dichlorobenzene	µg/l	*60*	**600**									< 2.5								< 50.0
Benzene	µg/l	*0.5*	**5**			< 10.2	< 2.0	< 50	< 130	< 0.50	< 50	< 2.5	< 0.41	< 1.0	< 2.0	< 0.50	< 5.0	< 0.87	< 5.0	< 50.0
1,2-Dichloropropane	µg/l	*0.5*	**5**									< 1.2								< 23.3
Chloroform	µg/l	*0.6*	**6**			< 32.5	< 6.5		< 130	< 0.50	< 0.50	< 12.5	< 1.3	< 3.2	< 6.5		< 5.0	< 0.50	< 0.50	< 250
1,3-Dichlorobenzene	µg/l	*120*	**600**									< 2.5								< 50.0
1,3-Dichloropropane	µg/l	NES	NES									< 2.5								< 50.0
1,4-Dichlorobenzene	µg/l	*15*	**75**									< 2.5								< 50.0
2,2-Dichloropropane	µg/l	NES	NES									< 2.4								< 48.4
2-Chlorotoluene	µg/l	NES	NES									< 2.5								< 50.0
4-Chlorotoluene	µg/l	NES	NES									< 1.1								< 21.4
cis-1,2-Dichloroethene (DCE)	µg/l	*7*	**70**	560	170	533	857	1,100	390	750	510	478	*18.7*	287	860	210	340	700	270	304
Bromobenzene	µg/l	NES	NES									< 1.2								< 23.0
Bromochloromethane	µg/l	NES	NES									< 1.7								< 34.0
Bromodichloromethane	µg/l	*0.06*	**0.6**									< 2.5								< 50.0
Bromoform	µg/l	*0.44*	**4.4**									< 2.5								< 50.0
Bromomethane	µg/l	*1*	**10**									< 12.2								< 243
Carbon Tetrachloride	µg/l	*0.5*	**5**									< 2.5								< 50.0
Chlorobenzene	µg/l	NES	NES									< 2.5								< 50.0
Chlorodibromomethane	µg/l	*6*	**60**									< 2.5								< 50.0
Chloroethane	µg/l	*80*	**400**									< 1.9								< 37.5
Ethylbenzene	µg/l	*140*	**700**			< 13.5	< 2.7	< 50	< 130	< 0.50	< 50	< 2.5	< 0.54	< 1.4	< 2.7	< 5.0	< 5.0	< 0.5	< 5.0	< 50.0
Chloromethane	µg/l	*3*	**30**									< 2.5								< 50.0
cis-1,3-Dichloropropene	µg/l	*0.02*	**0.2**									< 2.5								< 50.0
Dibromomethane	µg/l	NES	NES									< 2.1								< 42.7
Dichlorodifluoromethane	µg/l	*200*	**1000**									< 1.1								< 22.4
Diisopropyl Ether	µg/l	NES	NES									< 2.5								< 50.0
Methylene Chloride	µg/l	*0.5*	**5**			< 10.8	< 2.2		< 500	< 2.0	< 2.0	< 1.2	< 0.43	< 1.1	< 2.2		< 20	< 2.0	< 2.0	< 23.3
Fluorotrichloromethane	µg/l	*698*	**3490**									< 0.92								< 18.5
Hexachlorobutadiene	µg/l	NES	NES									< 10.5								< 211
Isopropylbenzene	µg/l	NES	NES									< 0.72								< 14.3
Methyl-tert-butyl-ether (MTBE)	µg/l	*12*	**60**			< 15.2	< 3.0	< 50	< 130	< 0.50	< 0.50	< 0.87	< 0.61	< 1.5	< 3.0	< 5.0	< 5.0	< 0.50	< 0.50	< 17.4
Naphthalene	µg/l	*10*	**100**			< 22.2	< 4.4	< 500	< 1,300	< 5.0	< 5.0	< 12.5	< 0.89	< 2.2	< 4.4	< 50	< 50	< 5.0	< 5.0	< 250
Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	440	3,500	5,380	1,040	4,200	7,200	17,000	3,200	618	< 0.45	261	< 2.2	< 5.0	< 5.0	5.9	< 5.0	4200
n-Butylbenzene	µg/l	NES	NES									< 2.5								< 50.0
n-Propylbenzene	µg/l	NES	NES									< 2.5								< 50.0
p-Isopropyltoluene	µg/l	NES	NES									< 2.5								< 50.0
sec-Butylbenzene	µg/l	NES	NES									< 10.9								< 219
Styrene	µg/l	*10*	**100**									< 2.5								< 50.0
tert-Butylbenzene	µg/l	NES	NES									< 0.90								< 18.0
Toluene	µg/l	*160*	**800**			< 16.8	< 3.4	< 50	140	< 0.50	< 50	< 2.5	< 0.67	< 1.7	< 3.4	< 5.0	6.5	0.52	< 5.0	< 50.0
trans-1,2-Dichloroethene (DCE)	µg/l	*20*	**100**			< 22.2	6.6	< 50	< 130	3.4	< 50	3.4	< 0.89	2.3	6.4	< 5.0	12	6.8	9.5	< 25.7
trans-1,3-Dichloropropene	µg/l	*0.02*	**0.2**									< 1.1								< 23.0
Trichloroethene (TCE)	µg/l	*0.5*	**5**	290	650	1,840	1,200	3,000	1,100	2,600	1,600	477	< 0.48	194	35	<5.0	5.5	*1.4*	< 5.0	364
Vinyl Chloride	µg/l	*0.02*	**0.2**	110	98	34.4	155	57	< 130	78	< 50	28.6	11.3	227	160	74	130	260	870	132
Xylene, o	µg/l	*400*	**2000**			< 65.8	< 13.2	< 150	< 380	< 1.50	< 150	< 2.5	< 2.63	< 6.6	< 13.2	< 15	< 15	< 1.50	< 15.0	< 50.0
Xylenes, m + p	µg/l	*400*	**2000**									< 5.0								< 100

NOTES

* = Sample collected by Key Engineering
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
J = Estimated concentration at or above the LOD and below the LOQ.

Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedence
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedence

Table A.1 - Groundwater VOC Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

Well Number		NR 140.10 Table 1		MW-22								MW-23							
Sample Date	Units	PAL	ES	9/29/2008	9/11/2009	5/12/2011	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/18/2015	9/29/2008	9/11/2009	5/12/2011	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/18/2015
1,1,1,2-Tetrachloroethane	µg/l	*7*	**70**								< 0.18								< 22.6
1,1,1-Trichloroethane	µg/l	*40*	**200**								< 0.50								< 62.5
1,1,2,2-Tetrachloroethane	µg/l	*0.02*	**0.2**								< 0.25								< 31.2
1,1,2-Trichloroethane	µg/l	*0.5*	**5**								< 0.20								< 24.7
1,1-Dichloroethane	µg/l	*85*	**850**								< 0.24								< 30.2
1,1-Dichloroethene	µg/l	*0.7*	**7**	< 0.57	< 0.57	< 0.57	< 0.50	< 0.50	< 0.50	< 0.50	< 0.41	< 0.57	< 57.0	< 2.8	< 10	< 5.0	< 0.50	< 2500	< 51.3
1,2,4-Trimethylbenzene	µg/l	*96**	**480***	< 1.8	< 1.8	< 1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 1.8	< 180.0	< 9	< 20	< 10	< 1.0	< 1.0	< 62.5
1,2-Dichloroethane (1,2-DCA)	µg/l	*0.5*	**5**	< 0.36	< 0.36	< 0.36	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17	< 0.36	< 36.0	< 1.8	< 10	< 5.0	< 0.50	< 0.50	< 21.0
1,1-Dichloropropene	µg/l	NES	NES								< 0.44								< 55.1
1,2,3-Trichlorobenzene	µg/l	NES	NES								< 2.1								< 267
1,2,3-Trichloropropane	µg/l	*12*	**60**								< 0.50								< 62.5
1,2,4-Trichlorobenzene	µg/l	*14*	**70**								< 2.2								< 276
1,3,5-Trimethylbenzene	µg/l	*96**	**480***	< 1.8	< 1.8	< 1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50	< 1.8	< 180.0	< 9	< 20	< 10	<1.0	< 1.0	< 62.5
1,2-Dibromo-3-chloropropane	µg/l	*0.02*	**0.2**								< 2.2								< 271
1,2-Dibromoethane	µg/l	*0.005*	**0.05**								< 0.18								< 22.2
1,2-Dichlorobenzene	µg/l	*60*	**600**								< 0.50								< 62.5
Benzene	µg/l	*0.5*	**5**	< 0.41	< 0.41	< 0.41	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.41	< 41	< 2	< 10	< 5.0	< 0.50	< 25000	< 62.5
1,2-Dichloropropane	µg/l	*0.5*	**5**								< 0.23								< 29.1
Chloroform	µg/l	*0.6*	**6**	< 1.3	< 1.3	< 1.3	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5	< 1.3	< 130	< 6.5	< 10	< 5.0	< 0.50	< 0.50	< 312
1,3-Dichlorobenzene	µg/l	*120*	**600**								< 0.50								< 62.5
1,3-Dichloropropane	µg/l	NES	NES								< 0.50								< 62.5
1,4-Dichlorobenzene	µg/l	*15*	**75**								< 0.50								< 62.5
2,2-Dichloropropane	µg/l	NES	NES								< 0.48								< 60.5
2-Chlorotoluene	µg/l	NES	NES								< 0.50								< 62.5
4-Chlorotoluene	µg/l	NES	NES								< 0.21								< 26.7
cis-1,2-Dichloroethene (DCE)	µg/l	*7*	**70**	< 0.83	1.4	< 0.83	< 0.50	< 0.50	0.58	< 0.50	< 0.26	< 0.83	< 83	*29.2*	*19*	*19*	*19*	< 2500	< 32.0
Bromobenzene	µg/l	NES	NES								< 0.23								< 28.8
Bromochloromethane	µg/l	NES	NES								< 0.34								< 42.5
Bromodichloromethane	µg/l	*0.06*	**0.6**								< 0.50								< 62.5
Bromoform	µg/l	*0.44*	**4.4**								< 0.50								< 62.5
Bromomethane	µg/l	*1*	**10**								< 2.4								< 304
Carbon Tetrachloride	µg/l	*0.5*	**5**								< 0.50								< 62.5
Chlorobenzene	µg/l	NES	NES								< 0.50								< 62.5
Chlorodibromomethane	µg/l	*6*	**60**								< 0.50								< 62.5
Chloroethane	µg/l	*80*	**400**								< 0.37								< 46.8
Ethylbenzene	µg/l	*140*	**700**	< 0.54	< 0.54	< 0.54	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.54	< 54.0	< 2.7	< 10	< 5.0	< 0.50	< 2500	< 62.5
Chloromethane	µg/l	*3*	**30**								< 0.50								< 62.5
cis-1,3-Dichloropropene	µg/l	*0.02*	**0.2**								< 0.50								< 62.5
Dibromomethane	µg/l	NES	NES								< 0.43								< 53.3
Dichlorodifluoromethane	µg/l	*200*	**1000**								< 0.22								< 28.0
Diisopropyl Ether	µg/l	NES	NES								< 0.50								< 62.5
Methylene Chloride	µg/l	*0.5*	**5**	< 0.43	< 0.43	< 0.43	< 2.0	< 2.0	< 2.0	< 2.0	< 0.23	< 0.43	< 43.0	< 2.2	< 40	< 20	< 2.0	< 2.0	< 29.1
Fluorotrichloromethane	µg/l	*698*	**3490**								< 0.18								< 23.1
Hexachlorobutadiene	µg/l	NES	NES								< 2.1								< 263
Isopropylbenzene	µg/l	NES	NES								< 0.14								< 17.9
Methyl-tert-butyl-ether (MTBE)	µg/l	*12*	**60**	< 0.61	< 0.61	< 0.61	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17	< 0.61	< 61.0	< 3.0	< 10	< 5.0	< 0.50	< 0.50	< 21.8
Naphthalene	µg/l	*10*	**100**	< 0.89	< 0.89	< 0.89	< 5.0	< 5.0	< 5.0	< 5.0	< 2.5	< 0.89	< 89.0	< 4.4	< 100	< 50	< 5.0	< 5.0	< 312
Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	< 0.45	< 0.45	< 0.45	< 0.50	< 0.50	*3.8*	< 0.50	< 0.50	16.2	15,200	1,160	490	300	330	75,000	6250
n-Butylbenzene	µg/l	NES	NES								< 0.50								< 62.5
n-Propylbenzene	µg/l	NES	NES								< 0.50								< 62.5
p-Isopropyltoluene	µg/l	NES	NES								< 0.50								< 62.5
sec-Butylbenzene	µg/l	NES	NES								< 2.2								< 273
Styrene	µg/l	*10*	**100**								< 0.50								< 62.5
tert-Butylbenzene	µg/l	NES	NES								< 0.18								< 22.5
Toluene	µg/l	*160*	**800**	< 0.67	< 0.67	< 0.67	< 0.50	0.60	0.52	< 0.50	< 0.50	< 0.67	< 67	< 3.4	< 10	< 5.0	< 0.50	< 2500	< 62.5
trans-1,2-Dichloroethene (DCE)	µg/l	*20*	**100**	< 0.89	< 0.89	< 0.89	< 0.50	< 0.50	< 0.50	< 0.50	< 0.26	< 0.89	< 89	< 4.4	< 10	< 5.0	< 0.50	< 2500	< 32.1
trans-1,3-Dichloropropene	µg/l	*0.02*	**0.2**								< 0.23								< 28.7
Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.48	< 0.48	< 0.48	< 0.50	< 0.50	*0.58*	< 0.50	< 0.33	< 0.48	75.4	24.2	17	12	15	< 2500	< 41.3
Vinyl Chloride	µg/l	*0.02*	**0.2**	< 0.18	< 0.18	< 0.18	< 0.50	< 0.50	< 0.50	< 0.50	< 0.18	< 0.18	< 18	< 0.9	< 10	< 5.0	< 0.5	< 2500	< 21.9
Xylene, o	µg/l	*400*	**2000**	< 2.63	< 2.63	< 2.63	< 1.50	< 1.50	< 1.50	< 1.50	< 0.50	< 2.63	< 263	< 13.2	< 30	< 15	< 1.5	< 7500	< 62.5
Xylenes, m + p	µg/l	*400*	**2000**								< 1.0								< 125

NOTES

* = Sample collected by Key Engineering
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
J = Estimated concentration at or above the LOD and below the LOQ.

Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedence
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedence

Shaw Shaw Environmental, Inc.

Approved by:___ Checked by:___.

Table A.1 - Groundwater VOC Analytical Table
Arcadia State Bank
BRRTS #: 02-62-259051
Main Street
Arcadia, WI

Well Number		NR 140.10 Table 1		MW-24								MW-30	PZ-1				
Sample Date	Units	PAL	ES	9/29/2008	9/11/2009	5/12/2011	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/18/2015	8/18/2015	9/9/2011	3/8/2012	5/31/2012	11/13/2013	8/17/2015
1,1,1,2-Tetrachloroethane	µg/l	*7*	**70**								< 1.8	< 1.8					< 0.18
1,1,1-Trichloroethane	µg/l	*40*	**200**								< 5.0	< 5.0					< 0.50
1,1,2,2-Tetrachloroethane	µg/l	*0.02*	**0.2**								< 2.5	< 2.5					< 0.25
1,1,2-Trichloroethane	µg/l	*0.5*	**5**								< 2.0	< 2.0					< 0.20
1,1-Dichloroethane	µg/l	*85*	**850**								< 2.4	< 2.4					< 0.24
1,1-Dichloroethene	µg/l	*0.7*	**7**	< 0.57	< 0.57	< 0.57	< 0.50	< 0.50	< 0.50	< 5.0	< 4.1	< 4.1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.41
1,2,4-Trimethylbenzene	µg/l	*96**	**480***	< 1.8	2.6	< 1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50
1,2-Dichloroethane (1,2-DCA)	µg/l	*0.5*	**5**	< 0.36	< 0.36	< 0.36	< 0.50	< 0.50	< 0.50	< 0.50	< 1.7	< 1.7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17
1,1-Dichloropropene	µg/l	NES	NES								< 4.4	< 4.4					< 0.44
1,2,3-Trichlorobenzene	µg/l	NES	NES								< 21.3	< 21.3					< 2.1
1,2,3-Trichloropropane	µg/l	*12*	**60**								< 5.0	< 5.0					< 0.50
1,2,4-Trichlorobenzene	µg/l	*14*	**70**								< 22.1	< 22.1					< 2.2
1,3,5-Trimethylbenzene	µg/l	*96**	**480***	< 1.8	2.6	< 1.8	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.50
1,2-Dibromo-3-chloropropane	µg/l	*0.02*	**0.2**								< 21.6	< 21.6					< 2.2
1,2-Dibromoethane	µg/l	*0.005*	**0.05**								< 1.8	< 1.8					< 0.18
1,2-Dichlorobenzene	µg/l	*60*	**600**								< 5.0	< 5.0					< 0.50
Benzene	µg/l	*0.5*	**5**	< 0.41	20.8	< 0.41	< 0.50	< 0.50	11	< 5.0	< 5.0	< 5.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1,2-Dichloropropane	µg/l	*0.5*	**5**								< 2.3	< 2.3					< 0.23
Chloroform	µg/l	*0.6*	**6**	< 1.3	< 1.3	< 1.3	< 0.50	< 0.50	< 0.50	< 0.50	< 25.0	< 25.0	< 0.50	< 0.50	< 0.50	< 0.50	< 2.5
1,3-Dichlorobenzene	µg/l	*120*	**600**								< 5.0	< 5.0					< 0.50
1,3-Dichloropropane	µg/l	NES	NES								< 5.0	< 5.0					< 0.50
1,4-Dichlorobenzene	µg/l	*15*	**75**								< 5.0	< 5.0					< 0.50
2,2-Dichloropropane	µg/l	NES	NES								< 4.8	< 4.8					< 0.48
2-Chlorotoluene	µg/l	NES	NES								< 5.0	< 5.0					< 0.50
4-Chlorotoluene	µg/l	NES	NES								< 2.1	< 2.1					< 0.21
cis-1,2-Dichloroethene (DCE)	µg/l	*7*	**70**	1.5	2.6	1.3	1.6	0.89	1.0	*21.0*	< 2.6	243	1.3	< 0.50	< 0.50	< 0.50	< 0.26
Bromobenzene	µg/l	NES	NES								< 2.3	< 2.3					< 0.23
Bromochloromethane	µg/l	NES	NES								< 3.4	< 3.4					< 0.34
Bromodichloromethane	µg/l	*0.06*	**0.6**								8.5	< 5.0					< 0.50
Bromoform	µg/l	*0.44*	**4.4**								< 5.0	< 5.0					< 0.50
Bromomethane	µg/l	*1*	**10**								< 24.3	< 24.3					< 2.4
Carbon Tetrachloride	µg/l	*0.5*	**5**								< 5.0	< 5.0					< 0.50
Chlorobenzene	µg/l	NES	NES								< 5.0	< 5.0					< 0.50
Chlorodibromomethane	µg/l	*6*	**60**								< 5.0	< 5.0					< 0.50
Chloroethane	µg/l	*80*	**400**								< 3.7	< 3.7					< 0.37
Ethylbenzene	µg/l	*140*	**700**	< 0.54	< 0.54	< 0.54	< 0.50	< 0.50	< 0.50	< 5.0	< 5.0	< 5.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Chloromethane	µg/l	*3*	**30**								< 5.0	< 5.0					< 0.50
cis-1,3-Dichloropropene	µg/l	*0.02*	**0.2**								< 5.0	< 5.0					< 0.50
Dibromomethane	µg/l	NES	NES								< 4.3	< 4.3					< 0.43
Dichlorodifluoromethane	µg/l	*200*	**1000**								< 2.2	< 2.2					< 0.22
Diisopropyl Ether	µg/l	NES	NES								< 5.0	< 5.0					< 0.50
Methylene Chloride	µg/l	*0.5*	**5**	< 0.43	< 0.43	< 0.43	< 2.0	< 2.0	< 2.0	< 2.0	< 2.3	< 2.3	< 2.0	< 2.0	< 2.0	< 2.0	< 0.23
Fluorotrichloromethane	µg/l	*698*	**3490**								< 1.8	< 1.8					< 0.18
Hexachlorobutadiene	µg/l	NES	NES								< 21.1	< 21.1					< 2.1
Isopropylbenzene	µg/l	NES	NES								< 1.4	< 1.4					< 0.14
Methyl-tert-butyl-ether (MTBE)	µg/l	*12*	**60**	< 0.61	< 0.61	< 0.61	< 0.50	< 0.50	< 0.50	< 0.50	< 1.7	< 1.7	< 0.50	< 0.50	< 0.50	< 0.50	< 0.17
Naphthalene	µg/l	*10*	**100**	0.99 J	< 0.89	< 0.89	< 5.0	< 5.0	< 5.0	< 5.0	< 25.0	< 25.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.5
Tetrachloroethene (PCE)	µg/l	*0.5*	**5**	*0.58 J*	< 0.45	5.5	*0.97*	*0.78*	*3.4*	60	8.0	955	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
n-Butylbenzene	µg/l	NES	NES								< 5.0	< 5.0					< 0.50
n-Propylbenzene	µg/l	NES	NES								< 5.0	< 5.0					< 0.50
p-Isopropyltoluene	µg/l	NES	NES								< 5.0	< 5.0					< 0.50
sec-Butylbenzene	µg/l	NES	NES								< 21.9	< 21.9					< 2.2
Styrene	µg/l	*10*	**100**								< 5.0	< 5.0					< 0.50
tert-Butylbenzene	µg/l	NES	NES								< 1.8	< 1.8					< 0.18
Toluene	µg/l	*160*	**800**	< 0.67	< 0.67	< 0.67	< 0.50	< 0.50	0.66	< 5.0	< 5.0	< 5.0	< 0.50	0.63	< 0.50	< 0.50	< 0.50
trans-1,2-Dichloroethene (DCE)	µg/l	*20*	**100**	< 0.89	< 0.89	< 0.89	< 0.50	< 0.50	< 0.50	< 5.0	< 2.6	< 2.6	< 0.50	< 0.50	< 0.50	< 0.50	< 0.26
trans-1,3-Dichloropropene	µg/l	*0.02*	**0.2**								< 2.3	< 2.3					< 0.23
Trichloroethene (TCE)	µg/l	*0.5*	**5**	< 0.48	< 0.48	*0.75J*	< 0.50	*0.51*	*0.63*	50	< 3.3	501	< 0.50	< 0.50	< 0.50	< 0.50	*0.68*
Vinyl Chloride	µg/l	*0.02*	**0.2**	< 0.18	< 0.18	< 0.18	< 0.50	< 0.50	< 0.50	< 5.0	< 1.8	< 1.8	< 0.50	< 0.50	< 0.50	< 0.50	< 0.18
Xylene, o	µg/l	*400*	**2000**	< 2.63	3.8	< 2.63	< 1.5	< 1.5	< 1.50	< 15.0	< 5.0	< 5.0	< 1.50	< 1.50	< 1.50	< 1.50	< 0.50
Xylenes, m + p	µg/l	*400*	**2000**								< 10.0	< 10.0					< 1.0

NOTES

* = Sample collected by Key Engineering
NES = no established standard
NA = not analyzed
µg/l = micrograms per liter
J = Estimated concentration at or above the LOD and below the LOQ.

Red/Bold = Wisconsin Administrative Code NR 140 Enforcement Standard (ES) exceedence
Blue/Italic = Wisconsin Administrative Code NR 140 Preventive Action Limit (PAL) exceedence

Table A.8
Natural Attenuation Parameters
Arcadia State Bank
Arcadia, Wisconsin
BRRTS #: 02-62-259051

Well Number		MW-14		MW-15		MW-21		MW-22		MW-23		MW-24	
Measurement Date		11/13/2013	8/17/2015	11/13/2013	8/17/2015	11/13/2013	8/17/2015	11/13/2013	8/17/2015	11/13/2013	8/17/2015	11/13/2013	8/17/2015
Temperature	deg. C	15.26	18.6	12.18	17.7	13.82	20.6	13.95	20.0	14.33	19.3	14.09	20.0
pH		6.80	6.51	6.81	6.47	6.82	6.67	6.70	6.43	6.78	6.56	7.02	7.35
Dissolved Oxygen	mg/l	0.29	0.23	0.51	0.19	0.38	1.72	0.58	0.27	0.57	1.65	3.55	6.31
Specific Conductivity	µs/cm	0.433	0.408	1.263	0.81	1.380	1.06	1.05	1.56	0.467	0.406	0.48	0.389
ORP	mV	-13.1	-76.2	-97.1	-110.2	-154.6	-189.6	-69.3	-115.9	1.5	-37.8	-6.1	48.8

NOTES:
NA = not analyzed
deg. C = degrees Celsius
mg/l = milligrams per liter
µs/cm = micro siemens per centimeter
mV = milli-volts
ORP = oxidation-reduction potential
FP - Free product not sampled.
Aquifer conditions collected using YSI Pro Plus Water Quality Meter

Approved by: cjz Checked by:

Table A.8
Natural Attenuation Parameters
Arcadia State Bank
Arcadia, Wisconsin
BRRTS #: 02-62-259051

Well Number		MW-25		MW-26		MW-27		MW-30	PZ-1		PZ-2	
Measurement Date		11/13/2013	8/17/2015	11/13/2013	8/17/2015	11/13/2013	8/17/2015	8/17/2015	11/13/2013	8/17/2015	11/13/2013	8/17/2015
Temperature	deg. C	14.95	16.2	12.41	17.1	12.32	15.4	21.0	14.72	16.9	12.61	14.2
pH		6.84	6.62	6.76	6.69	6.58	6.48	6.67	6.87	6.58	6.81	6.71
Dissolved Oxygen	mg/l	0.69	0.47	0.53	0.26	0.42	0.39	0.40	0.37	0.28	0.52	0.34
Specific Conductivity	µs/cm	1.193	0.369	0.557	0.79	0.617	0.67	0.446	0.751	0.366	0.577	0.525
ORP	mV	-113.6	-178.3	-58.8	-132.6	-66.9	-131.3	-59.9	-114.2	-142.8	-61.4	-139.2

NOTES:
NA = not analyzed
deg. C = degrees Celsius
mg/l = milligrams per liter
µs/cm = micro siemens per centimeter
mV = milli-volts
ORP = oxidation-reduction potential
FP - Free product not sampled.
Aquifer conditions collected using YSI Pro Plus Water Quality Meter

Approved by: cjz Checked by:

Appendices

Appendix A
Laboratory Analytical Results

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

September 14, 2015

Heidi Woelfel
Shaw Environmental & Infrastru
West Pleasant St.
Suite 105
Milwaukee, WI 53212

RE: Project: 133200 Arcadia
Pace Project No.: 10318964

Dear Heidi Woelfel:
Enclosed are the analytical results for sample(s) received by the laboratory on August 20, 2015. 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,

Scott Unze for
Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

cc: Accounts Payable, Shaw Group

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 133200 Arcadia
Pace Project No.: 10318964

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
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
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: 133200 Arcadia
Pace Project No.: 10318964

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10318964001	**Bawek Ambient**	Air	08/18/15 15:30	08/20/15 09:54
10318964002	**Tapatia Ambient**	Air	08/18/15 16:20	08/20/15 09:54
10318964003	**Tapatia Crawlspace**	Air	08/18/15 16:25	08/20/15 09:54
10318964004	**Outdoor Ambient**	Air	08/18/15 15:10	08/20/15 09:54

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SAMPLE ANALYTE COUNT

Project: 133200 Arcadia
Pace Project No.: 10318964

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10318964001	**Bawek Ambient**	TO-15	MLS	61	PASI-M
10318964002	**Tapatia Ambient**	TO-15	MLS	61	PASI-M
10318964003	**Tapatia Crawlspace**	TO-15	MLS	61	PASI-M
10318964004	**Outdoor Ambient**	TO-15	MLS	61	PASI-M

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ANALYTICAL RESULTS

Project: 133200 Arcadia
Pace Project No.: 10318964

Sample: Bawek Ambient **Lab ID: 10318964001** Collected: 08/18/15 15:30 Received: 08/20/15 09:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**109**	ug/m3	71.9	24.8	29.8		09/01/15 18:52	67-64-1	
Benzene	ND	ug/m3	0.48	0.18	1.49		08/31/15 21:13	71-43-2	
Benzyl chloride	ND	ug/m3	3.9	0.25	1.49		08/31/15 21:13	100-44-7	
Bromodichloromethane	ND	ug/m3	2.0	0.29	1.49		08/31/15 21:13	75-27-4	
Bromoform	ND	ug/m3	3.1	1.3	1.49		08/31/15 21:13	75-25-2	
Bromomethane	ND	ug/m3	1.2	0.46	1.49		08/31/15 21:13	74-83-9	
1,3-Butadiene	ND	ug/m3	0.67	0.26	1.49		08/31/15 21:13	106-99-0	
2-Butanone (MEK)	**119**	ug/m3	2.7	0.34	1.49		08/31/15 21:13	78-93-3	
Carbon disulfide	**21.1**	ug/m3	0.94	0.15	1.49		08/31/15 21:13	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.95	0.29	1.49		08/31/15 21:13	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	0.20	1.49		08/31/15 21:13	108-90-7	
Chloroethane	ND	ug/m3	0.80	0.29	1.49		08/31/15 21:13	75-00-3	
Chloroform	**1.9**	ug/m3	0.74	0.28	1.49		08/31/15 21:13	67-66-3	
Chloromethane	ND	ug/m3	0.63	0.16	1.49		08/31/15 21:13	74-87-3	
Cyclohexane	**1300**	ug/m3	20.9	9.4	29.8		09/01/15 18:52	110-82-7	
Dibromochloromethane	ND	ug/m3	2.6	1.3	1.49		08/31/15 21:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.3	1.2	1.49		08/31/15 21:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.76	1.49		08/31/15 21:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.79	1.49		08/31/15 21:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.74	1.49		08/31/15 21:13	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.5	0.72	1.49		08/31/15 21:13	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.2	0.23	1.49		08/31/15 21:13	75-34-3	
1,2-Dichloroethane	**3.8**	ug/m3	0.61	0.31	1.49		08/31/15 21:13	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	0.35	1.49		08/31/15 21:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	0.37	1.49		08/31/15 21:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	0.57	1.49		08/31/15 21:13	156-60-5	
1,2-Dichloropropane	**2.9**	ug/m3	1.4	0.40	1.49		08/31/15 21:13	78-87-5	CH
cis-1,3-Dichloropropene	ND	ug/m3	1.4	0.55	1.49		08/31/15 21:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	3.4	0.39	1.49		08/31/15 21:13	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.1	0.46	1.49		08/31/15 21:13	76-14-2	
Ethanol	**387**	ug/m3	28.6	7.9	29.8		09/01/15 18:52	64-17-5	
Ethyl acetate	**1340**	ug/m3	21.8	10.4	29.8		09/01/15 18:52	141-78-6	
Ethylbenzene	**27.3**	ug/m3	1.3	0.63	1.49		08/31/15 21:13	100-41-4	
4-Ethyltoluene	**5.9**	ug/m3	1.5	0.28	1.49		08/31/15 21:13	622-96-8	
n-Heptane	**365**	ug/m3	24.7	8.3	29.8		09/01/15 18:52	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	8.1	0.97	1.49		08/31/15 21:13	87-68-3	
n-Hexane	**72.2**	ug/m3	1.1	0.53	1.49		08/31/15 21:13	110-54-3	
2-Hexanone	ND	ug/m3	1.2	0.61	1.49		08/31/15 21:13	591-78-6	
Methylene Chloride	**15.9**	ug/m3	5.3	0.81	1.49		08/31/15 21:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**4.4**	ug/m3	3.1	0.32	1.49		08/31/15 21:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.1	0.45	1.49		08/31/15 21:13	1634-04-4	
Naphthalene	**19.2**	ug/m3	4.0	0.45	1.49		08/31/15 21:13	91-20-3	
2-Propanol	**140**	ug/m3	37.2	7.2	29.8		09/01/15 18:52	67-63-0	
Propylene	**7.5**	ug/m3	0.52	0.20	1.49		08/31/15 21:13	115-07-1	
Styrene	**7.8**	ug/m3	1.3	0.29	1.49		08/31/15 21:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.0	0.49	1.49		08/31/15 21:13	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 133200 Arcadia
Pace Project No.: 10318964

Sample: Bawek Ambient **Lab ID: 10318964001** Collected: 08/18/15 15:30 Received: 08/20/15 09:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Tetrachloroethene	**21.0**	ug/m3	1.0	0.41	1.49		08/31/15 21:13	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.89	0.18	1.49		08/31/15 21:13	109-99-9	
Toluene	**203**	ug/m3	22.9	4.6	29.8		09/01/15 18:52	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	5.6	1.4	1.49		08/31/15 21:13	120-82-1	
1,1,1-Trichloroethane	**7.5**	ug/m3	1.7	0.37	1.49		08/31/15 21:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.82	0.37	1.49		08/31/15 21:13	79-00-5	
Trichloroethene	**2.3**	ug/m3	0.82	0.41	1.49		08/31/15 21:13	79-01-6	
Trichlorofluoromethane	**15.2**	ug/m3	1.7	0.20	1.49		08/31/15 21:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.4	0.45	1.49		08/31/15 21:13	76-13-1	
1,2,4-Trimethylbenzene	**19.0**	ug/m3	1.5	0.19	1.49		08/31/15 21:13	95-63-6	
1,3,5-Trimethylbenzene	**5.7**	ug/m3	1.5	0.27	1.49		08/31/15 21:13	108-67-8	
Vinyl acetate	ND	ug/m3	1.1	0.49	1.49		08/31/15 21:13	108-05-4	
Vinyl chloride	ND	ug/m3	0.39	0.29	1.49		08/31/15 21:13	75-01-4	
m&p-Xylene	**66.1**	ug/m3	2.6	1.2	1.49		08/31/15 21:13	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.52	1.49		08/31/15 21:13	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 133200 Arcadia
Pace Project No.: 10318964

Sample: Tapatia Ambient **Lab ID: 10318964002** Collected: 08/18/15 16:20 Received: 08/20/15 09:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**14.5**	ug/m3	4.2	1.5	1.75		08/31/15 21:40	67-64-1	
Benzene	**3.3**	ug/m3	0.57	0.21	1.75		08/31/15 21:40	71-43-2	
Benzyl chloride	ND	ug/m3	4.6	0.29	1.75		08/31/15 21:40	100-44-7	
Bromodichloromethane	ND	ug/m3	2.4	0.34	1.75		08/31/15 21:40	75-27-4	
Bromoform	ND	ug/m3	3.7	1.6	1.75		08/31/15 21:40	75-25-2	
Bromomethane	ND	ug/m3	1.4	0.54	1.75		08/31/15 21:40	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	0.31	1.75		08/31/15 21:40	106-99-0	
2-Butanone (MEK)	**4.4**	ug/m3	3.2	0.40	1.75		08/31/15 21:40	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	0.18	1.75		08/31/15 21:40	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	0.34	1.75		08/31/15 21:40	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	0.23	1.75		08/31/15 21:40	108-90-7	
Chloroethane	ND	ug/m3	0.94	0.34	1.75		08/31/15 21:40	75-00-3	
Chloroform	ND	ug/m3	0.87	0.33	1.75		08/31/15 21:40	67-66-3	
Chloromethane	ND	ug/m3	0.74	0.19	1.75		08/31/15 21:40	74-87-3	
Cyclohexane	**1.8**	ug/m3	1.2	0.55	1.75		08/31/15 21:40	110-82-7	
Dibromochloromethane	ND	ug/m3	3.0	1.5	1.75		08/31/15 21:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.4	1.75		08/31/15 21:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.1	0.90	1.75		08/31/15 21:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	0.93	1.75		08/31/15 21:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	0.87	1.75		08/31/15 21:40	106-46-7	
Dichlorodifluoromethane	**2.6**	ug/m3	1.8	0.84	1.75		08/31/15 21:40	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	0.27	1.75		08/31/15 21:40	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	0.36	1.75		08/31/15 21:40	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	0.42	1.75		08/31/15 21:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	0.43	1.75		08/31/15 21:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	0.67	1.75		08/31/15 21:40	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	0.47	1.75		08/31/15 21:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	0.65	1.75		08/31/15 21:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.0	0.46	1.75		08/31/15 21:40	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	0.54	1.75		08/31/15 21:40	76-14-2	
Ethanol	**42.3**	ug/m3	1.7	0.46	1.75		08/31/15 21:40	64-17-5	
Ethyl acetate	ND	ug/m3	1.3	0.61	1.75		09/01/15 16:34	141-78-6	
Ethylbenzene	**1.5**	ug/m3	1.5	0.74	1.75		08/31/15 21:40	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	0.33	1.75		08/31/15 21:40	622-96-8	
n-Heptane	**1.6**	ug/m3	1.5	0.49	1.75		08/31/15 21:40	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	9.5	1.1	1.75		08/31/15 21:40	87-68-3	
n-Hexane	**2.6**	ug/m3	1.3	0.62	1.75		08/31/15 21:40	110-54-3	
2-Hexanone	ND	ug/m3	1.5	0.72	1.75		08/31/15 21:40	591-78-6	
Methylene Chloride	ND	ug/m3	6.2	0.95	1.75		08/31/15 21:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	3.6	0.38	1.75		08/31/15 21:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.3	0.53	1.75		08/31/15 21:40	1634-04-4	
Naphthalene	**5.4**	ug/m3	4.7	0.53	1.75		08/31/15 21:40	91-20-3	
2-Propanol	ND	ug/m3	2.2	0.42	1.75		08/31/15 21:40	67-63-0	
Propylene	**4.4**	ug/m3	0.61	0.24	1.75		08/31/15 21:40	115-07-1	
Styrene	ND	ug/m3	1.5	0.34	1.75		08/31/15 21:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	0.58	1.75		08/31/15 21:40	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 133200 Arcadia
Pace Project No.: 10318964

Sample: Tapatia Ambient **Lab ID: 10318964002** Collected: 08/18/15 16:20 Received: 08/20/15 09:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Tetrachloroethene	**22.3**	ug/m3	1.2	0.49	1.75		08/31/15 21:40	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.0	0.21	1.75		08/31/15 21:40	109-99-9	
Toluene	**6.7**	ug/m3	1.3	0.27	1.75		08/31/15 21:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.6	1.75		08/31/15 21:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	0.43	1.75		08/31/15 21:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.96	0.43	1.75		08/31/15 21:40	79-00-5	
Trichloroethene	ND	ug/m3	0.96	0.48	1.75		08/31/15 21:40	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.0	0.23	1.75		08/31/15 21:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	0.53	1.75		08/31/15 21:40	76-13-1	
1,2,4-Trimethylbenzene	**1.9**	ug/m3	1.7	0.22	1.75		08/31/15 21:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	0.32	1.75		08/31/15 21:40	108-67-8	
Vinyl acetate	ND	ug/m3	1.3	0.58	1.75		08/31/15 21:40	108-05-4	
Vinyl chloride	ND	ug/m3	0.46	0.34	1.75		08/31/15 21:40	75-01-4	
m&p-Xylene	**5.8**	ug/m3	3.1	1.4	1.75		08/31/15 21:40	179601-23-1	
o-Xylene	**1.9**	ug/m3	1.5	0.61	1.75		08/31/15 21:40	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 133200 Arcadia
Pace Project No.: 10318964

Sample: Tapatia Crawlspace **Lab ID: 10318964003** Collected: 08/18/15 16:25 Received: 08/20/15 09:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Acetone	**10.2**	ug/m3	4.2	1.5	1.75		08/31/15 22:08	67-64-1	
Benzene	**0.88**	ug/m3	0.57	0.21	1.75		08/31/15 22:08	71-43-2	
Benzyl chloride	ND	ug/m3	4.6	0.29	1.75		08/31/15 22:08	100-44-7	
Bromodichloromethane	ND	ug/m3	2.4	0.34	1.75		08/31/15 22:08	75-27-4	
Bromoform	ND	ug/m3	3.7	1.6	1.75		08/31/15 22:08	75-25-2	
Bromomethane	ND	ug/m3	1.4	0.54	1.75		08/31/15 22:08	74-83-9	
1,3-Butadiene	ND	ug/m3	0.79	0.31	1.75		08/31/15 22:08	106-99-0	
2-Butanone (MEK)	**4.5**	ug/m3	3.2	0.40	1.75		08/31/15 22:08	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	0.18	1.75		08/31/15 22:08	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	0.34	1.75		08/31/15 22:08	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	0.23	1.75		08/31/15 22:08	108-90-7	
Chloroethane	ND	ug/m3	0.94	0.34	1.75		08/31/15 22:08	75-00-3	
Chloroform	ND	ug/m3	0.87	0.33	1.75		08/31/15 22:08	67-66-3	
Chloromethane	ND	ug/m3	0.74	0.19	1.75		08/31/15 22:08	74-87-3	
Cyclohexane	ND	ug/m3	1.2	0.55	1.75		08/31/15 22:08	110-82-7	
Dibromochloromethane	ND	ug/m3	3.0	1.5	1.75		08/31/15 22:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.7	1.4	1.75		08/31/15 22:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.1	0.90	1.75		08/31/15 22:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.1	0.93	1.75		08/31/15 22:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.1	0.87	1.75		08/31/15 22:08	106-46-7	
Dichlorodifluoromethane	**2.1**	ug/m3	1.8	0.84	1.75		08/31/15 22:08	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	0.27	1.75		08/31/15 22:08	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.72	0.36	1.75		08/31/15 22:08	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	0.42	1.75		08/31/15 22:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	0.43	1.75		08/31/15 22:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	0.67	1.75		08/31/15 22:08	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	0.47	1.75		08/31/15 22:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.6	0.65	1.75		08/31/15 22:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	4.0	0.46	1.75		08/31/15 22:08	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.5	0.54	1.75		08/31/15 22:08	76-14-2	
Ethanol	**8.7**	ug/m3	1.7	0.46	1.75		08/31/15 22:08	64-17-5	
Ethyl acetate	**2.2**	ug/m3	1.3	0.61	1.75		08/31/15 22:08	141-78-6	
Ethylbenzene	ND	ug/m3	1.5	0.74	1.75		08/31/15 22:08	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.8	0.33	1.75		08/31/15 22:08	622-96-8	
n-Heptane	ND	ug/m3	1.5	0.49	1.75		08/31/15 22:08	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	9.5	1.1	1.75		08/31/15 22:08	87-68-3	
n-Hexane	**1.4**	ug/m3	1.3	0.62	1.75		08/31/15 22:08	110-54-3	
2-Hexanone	ND	ug/m3	1.5	0.72	1.75		08/31/15 22:08	591-78-6	
Methylene Chloride	ND	ug/m3	6.2	0.95	1.75		08/31/15 22:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	3.6	0.38	1.75		08/31/15 22:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.3	0.53	1.75		08/31/15 22:08	1634-04-4	
Naphthalene	ND	ug/m3	4.7	0.53	1.75		08/31/15 22:08	91-20-3	
2-Propanol	ND	ug/m3	2.2	0.42	1.75		08/31/15 22:08	67-63-0	
Propylene	**1.6**	ug/m3	0.61	0.24	1.75		08/31/15 22:08	115-07-1	
Styrene	ND	ug/m3	1.5	0.34	1.75		08/31/15 22:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	0.58	1.75		08/31/15 22:08	79-34-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 133200 Arcadia
Pace Project No.: 10318964

Sample: Tapatia Crawlspace **Lab ID: 10318964003** Collected: 08/18/15 16:25 Received: 08/20/15 09:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Tetrachloroethene	**261**	ug/m3	1.2	0.49	1.75		08/31/15 22:08	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.0	0.21	1.75		08/31/15 22:08	109-99-9	
Toluene	**1.8**	ug/m3	1.3	0.27	1.75		08/31/15 22:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	6.6	1.6	1.75		08/31/15 22:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.9	0.43	1.75		08/31/15 22:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.96	0.43	1.75		08/31/15 22:08	79-00-5	
Trichloroethene	ND	ug/m3	0.96	0.48	1.75		08/31/15 22:08	79-01-6	
Trichlorofluoromethane	**2.1**	ug/m3	2.0	0.23	1.75		08/31/15 22:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.8	0.53	1.75		08/31/15 22:08	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.7	0.22	1.75		08/31/15 22:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	0.32	1.75		08/31/15 22:08	108-67-8	
Vinyl acetate	**2.4**	ug/m3	1.3	0.58	1.75		08/31/15 22:08	108-05-4	
Vinyl chloride	ND	ug/m3	0.46	0.34	1.75		08/31/15 22:08	75-01-4	
m&p-Xylene	ND	ug/m3	3.1	1.4	1.75		08/31/15 22:08	179601-23-1	
o-Xylene	ND	ug/m3	1.5	0.61	1.75		08/31/15 22:08	95-47-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 133200 Arcadia
Pace Project No.: 10318964

Sample: Outdoor Ambient **Lab ID: 10318964004** Collected: 08/18/15 15:10 Received: 08/20/15 09:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Dichlorodifluoromethane	**2.9**	ug/m3	1.5	0.69	1.44		08/31/15 22:35	75-71-8	
Chloromethane	**1.1**	ug/m3	0.60	0.16	1.44		08/31/15 22:35	74-87-3	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	0.45	1.44		08/31/15 22:35	76-14-2	
Vinyl chloride	ND	ug/m3	0.37	0.28	1.44		08/31/15 22:35	75-01-4	
Bromomethane	ND	ug/m3	1.1	0.45	1.44		08/31/15 22:35	74-83-9	
Chloroethane	ND	ug/m3	0.78	0.28	1.44		08/31/15 22:35	75-00-3	
Trichlorofluoromethane	ND	ug/m3	1.6	0.19	1.44		08/31/15 22:35	75-69-4	
1,1-Dichloroethene	ND	ug/m3	1.2	0.34	1.44		08/31/15 22:35	75-35-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	0.43	1.44		08/31/15 22:35	76-13-1	
Methylene Chloride	ND	ug/m3	5.1	0.78	1.44		08/31/15 22:35	75-09-2	
1,1-Dichloroethane	ND	ug/m3	1.2	0.23	1.44		08/31/15 22:35	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	0.35	1.44		08/31/15 22:35	156-59-2	
Chloroform	ND	ug/m3	0.71	0.27	1.44		08/31/15 22:35	67-66-3	
1,1,1-Trichloroethane	ND	ug/m3	1.6	0.36	1.44		08/31/15 22:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.79	0.35	1.44		08/31/15 22:35	79-00-5	
1,2-Dichloroethane	ND	ug/m3	0.59	0.30	1.44		08/31/15 22:35	107-06-2	
Benzene	**0.74**	ug/m3	0.47	0.18	1.44		08/31/15 22:35	71-43-2	
Carbon tetrachloride	ND	ug/m3	0.92	0.28	1.44		08/31/15 22:35	56-23-5	
1,2-Dichloropropane	ND	ug/m3	1.4	0.39	1.44		08/31/15 22:35	78-87-5	
Trichloroethene	ND	ug/m3	0.79	0.40	1.44		08/31/15 22:35	79-01-6	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	0.53	1.44		08/31/15 22:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	3.3	0.37	1.44		08/31/15 22:35	10061-02-6	
Toluene	**2.5**	ug/m3	1.1	0.22	1.44		08/31/15 22:35	108-88-3	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.2	1.1	1.44		08/31/15 22:35	106-93-4	
Tetrachloroethene	**1.4**	ug/m3	0.99	0.40	1.44		08/31/15 22:35	127-18-4	
Chlorobenzene	ND	ug/m3	1.4	0.19	1.44		08/31/15 22:35	108-90-7	
Ethylbenzene	ND	ug/m3	1.3	0.61	1.44		08/31/15 22:35	100-41-4	
m&p-Xylene	ND	ug/m3	2.5	1.1	1.44		08/31/15 22:35	179601-23-1	
Styrene	ND	ug/m3	1.3	0.28	1.44		08/31/15 22:35	100-42-5	
o-Xylene	ND	ug/m3	1.3	0.51	1.44		08/31/15 22:35	95-47-6	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.0	0.47	1.44		08/31/15 22:35	79-34-5	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.26	1.44		08/31/15 22:35	108-67-8	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.18	1.44		08/31/15 22:35	95-63-6	
1,3-Dichlorobenzene	ND	ug/m3	1.8	0.76	1.44		08/31/15 22:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	0.72	1.44		08/31/15 22:35	106-46-7	
1,2-Dichlorobenzene	ND	ug/m3	1.8	0.74	1.44		08/31/15 22:35	95-50-1	
1,2,4-Trichlorobenzene	ND	ug/m3	5.4	1.3	1.44		08/31/15 22:35	120-82-1	
Hexachloro-1,3-butadiene	ND	ug/m3	7.8	0.94	1.44		08/31/15 22:35	87-68-3	
Tetrahydrofuran	ND	ug/m3	0.86	0.17	1.44		08/31/15 22:35	109-99-9	
Acetone	**15.3**	ug/m3	3.5	1.2	1.44		08/31/15 22:35	67-64-1	
2-Butanone (MEK)	**4.2**	ug/m3	2.6	0.33	1.44		08/31/15 22:35	78-93-3	
n-Hexane	ND	ug/m3	1.0	0.51	1.44		08/31/15 22:35	110-54-3	
Methyl-tert-butyl ether	ND	ug/m3	1.1	0.44	1.44		08/31/15 22:35	1634-04-4	
Dibromochloromethane	ND	ug/m3	2.5	1.2	1.44		08/31/15 22:35	124-48-1	
1,3-Butadiene	ND	ug/m3	0.65	0.25	1.44		08/31/15 22:35	106-99-0	
Carbon disulfide	ND	ug/m3	0.91	0.15	1.44		08/31/15 22:35	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 133200 Arcadia
Pace Project No.: 10318964

Sample: Outdoor Ambient **Lab ID: 10318964004** Collected: 08/18/15 15:10 Received: 08/20/15 09:54 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Vinyl acetate	**2.5**	ug/m3	1.0	0.48	1.44		08/31/15 22:35	108-05-4	
Cyclohexane	**1.8**	ug/m3	1.0	0.46	1.44		08/31/15 22:35	110-82-7	
Ethyl acetate	**1.2**	ug/m3	1.1	0.50	1.44		08/31/15 22:35	141-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	3.0	0.31	1.44		08/31/15 22:35	108-10-1	
2-Hexanone	ND	ug/m3	1.2	0.59	1.44		08/31/15 22:35	591-78-6	
Bromoform	ND	ug/m3	3.0	1.3	1.44		08/31/15 22:35	75-25-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	0.55	1.44		08/31/15 22:35	156-60-5	
Bromodichloromethane	ND	ug/m3	2.0	0.28	1.44		08/31/15 22:35	75-27-4	
n-Heptane	**2.1**	ug/m3	1.2	0.40	1.44		08/31/15 22:35	142-82-5	
Propylene	ND	ug/m3	0.50	0.19	1.44		08/31/15 22:35	115-07-1	
4-Ethyltoluene	ND	ug/m3	1.4	0.27	1.44		08/31/15 22:35	622-96-8	
Naphthalene	ND	ug/m3	3.8	0.44	1.44		08/31/15 22:35	91-20-3	
Ethanol	**8.3**	ug/m3	1.4	0.38	1.44		08/31/15 22:35	64-17-5	
2-Propanol	ND	ug/m3	1.8	0.35	1.44		08/31/15 22:35	67-63-0	
Benzyl chloride	ND	ug/m3	3.8	0.24	1.44		08/31/15 22:35	100-44-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 133200 Arcadia
Pace Project No.: 10318964

QC Batch: AIR/24019 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10318964001, 10318964002, 10318964003, 10318964004

METHOD BLANK: 2064892 Matrix: Air
Associated Lab Samples: 10318964001, 10318964002, 10318964003, 10318964004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	08/31/15 17:13	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	08/31/15 17:13	
1,1,2-Trichloroethane	ug/m3	ND	0.55	08/31/15 17:13	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	08/31/15 17:13	
1,1-Dichloroethane	ug/m3	ND	0.82	08/31/15 17:13	
1,1-Dichloroethene	ug/m3	ND	0.81	08/31/15 17:13	
1,2,4-Trichlorobenzene	ug/m3	ND	3.8	08/31/15 17:13	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	08/31/15 17:13	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	08/31/15 17:13	
1,2-Dichlorobenzene	ug/m3	ND	1.2	08/31/15 17:13	
1,2-Dichloroethane	ug/m3	ND	0.41	08/31/15 17:13	
1,2-Dichloropropane	ug/m3	ND	0.94	08/31/15 17:13	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	08/31/15 17:13	
1,3-Butadiene	ug/m3	ND	0.45	08/31/15 17:13	
1,3-Dichlorobenzene	ug/m3	ND	1.2	08/31/15 17:13	
1,4-Dichlorobenzene	ug/m3	ND	1.2	08/31/15 17:13	
2-Butanone (MEK)	ug/m3	ND	1.8	08/31/15 17:13	
2-Hexanone	ug/m3	ND	0.83	08/31/15 17:13	
2-Propanol	ug/m3	ND	1.2	08/31/15 17:13	
4-Ethyltoluene	ug/m3	ND	1.0	08/31/15 17:13	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	2.1	08/31/15 17:13	
Acetone	ug/m3	ND	2.4	08/31/15 17:13	
Benzene	ug/m3	ND	0.32	08/31/15 17:13	
Benzyl chloride	ug/m3	ND	2.6	08/31/15 17:13	
Bromodichloromethane	ug/m3	ND	1.4	08/31/15 17:13	
Bromoform	ug/m3	ND	2.1	08/31/15 17:13	
Bromomethane	ug/m3	ND	0.79	08/31/15 17:13	
Carbon disulfide	ug/m3	ND	0.63	08/31/15 17:13	
Carbon tetrachloride	ug/m3	ND	0.64	08/31/15 17:13	
Chlorobenzene	ug/m3	ND	0.94	08/31/15 17:13	
Chloroethane	ug/m3	ND	0.54	08/31/15 17:13	
Chloroform	ug/m3	ND	0.50	08/31/15 17:13	
Chloromethane	ug/m3	ND	0.42	08/31/15 17:13	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	08/31/15 17:13	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	08/31/15 17:13	
Cyclohexane	ug/m3	ND	0.70	08/31/15 17:13	
Dibromochloromethane	ug/m3	ND	1.7	08/31/15 17:13	
Dichlorodifluoromethane	ug/m3	ND	1.0	08/31/15 17:13	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	08/31/15 17:13	
Ethanol	ug/m3	ND	0.96	08/31/15 17:13	
Ethyl acetate	ug/m3	ND	0.73	08/31/15 17:13	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: 133200 Arcadia
Pace Project No.: 10318964

METHOD BLANK: 2064892 Matrix: Air
Associated Lab Samples: 10318964001, 10318964002, 10318964003, 10318964004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	ND	0.88	08/31/15 17:13	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	08/31/15 17:13	
m&p-Xylene	ug/m3	ND	1.8	08/31/15 17:13	
Methyl-tert-butyl ether	ug/m3	ND	0.73	08/31/15 17:13	
Methylene Chloride	ug/m3	ND	3.5	08/31/15 17:13	
n-Heptane	ug/m3	ND	0.83	08/31/15 17:13	
n-Hexane	ug/m3	ND	0.72	08/31/15 17:13	
Naphthalene	ug/m3	ND	2.7	08/31/15 17:13	
o-Xylene	ug/m3	ND	0.88	08/31/15 17:13	
Propylene	ug/m3	ND	0.35	08/31/15 17:13	
Styrene	ug/m3	ND	0.87	08/31/15 17:13	
Tetrachloroethene	ug/m3	ND	0.69	08/31/15 17:13	
Tetrahydrofuran	ug/m3	ND	0.60	08/31/15 17:13	
Toluene	ug/m3	ND	0.77	08/31/15 17:13	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	08/31/15 17:13	
trans-1,3-Dichloropropene	ug/m3	ND	2.3	08/31/15 17:13	
Trichloroethene	ug/m3	ND	0.55	08/31/15 17:13	
Trichlorofluoromethane	ug/m3	ND	1.1	08/31/15 17:13	
Vinyl acetate	ug/m3	ND	0.72	08/31/15 17:13	
Vinyl chloride	ug/m3	ND	0.26	08/31/15 17:13	

LABORATORY CONTROL SAMPLE: 2064893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	74.7	135	72-140	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	88.7	127	68-137	
1,1,2-Trichloroethane	ug/m3	55.5	70.4	127	66-138	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	97.4	125	70-132	
1,1-Dichloroethane	ug/m3	41.2	51.8	126	68-137	
1,1-Dichloroethene	ug/m3	40.3	49.1	122	73-138	
1,2,4-Trichlorobenzene	ug/m3	75.5	79.2	105	48-150	
1,2,4-Trimethylbenzene	ug/m3	50	63.2	126	75-134	
1,2-Dibromoethane (EDB)	ug/m3	78.1	100	128	75-132	
1,2-Dichlorobenzene	ug/m3	61.2	76.2	125	71-129	
1,2-Dichloroethane	ug/m3	41.2	55.5	135	73-139	
1,2-Dichloropropane	ug/m3	47	61.1	130	70-130	CH
1,3,5-Trimethylbenzene	ug/m3	50	61.1	122	75-133	
1,3-Butadiene	ug/m3	22.5	27.3	121	66-135	
1,3-Dichlorobenzene	ug/m3	61.2	77.3	126	75-131	
1,4-Dichlorobenzene	ug/m3	61.2	74.8	122	69-135	
2-Butanone (MEK)	ug/m3	30	28.5	95	67-131	
2-Hexanone	ug/m3	41.7	55.0	132	72-130	CH,L1
2-Propanol	ug/m3	25	32.4	129	66-133	
4-Ethyltoluene	ug/m3	50	63.9	128	75-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 133200 Arcadia
Pace Project No.: 10318964

LABORATORY CONTROL SAMPLE: 2064893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	41.5	100	68-134	
Acetone	ug/m3	24.2	29.9	124	63-144	
Benzene	ug/m3	32.5	42.3	130	64-139	
Benzyl chloride	ug/m3	52.5	51.5	98	75-129	
Bromodichloromethane	ug/m3	68.2	71.4	105	75-134	
Bromoform	ug/m3	105	109	103	72-130	
Bromomethane	ug/m3	39.5	48.0	121	71-132	
Carbon disulfide	ug/m3	31.7	39.5	125	56-139	
Carbon tetrachloride	ug/m3	64	86.8	136	75-150	
Chlorobenzene	ug/m3	46.8	58.4	125	71-132	
Chloroethane	ug/m3	26.8	33.3	124	71-129	
Chloroform	ug/m3	49.7	64.6	130	73-136	
Chloromethane	ug/m3	21	26.8	128	52-143	
cis-1,2-Dichloroethene	ug/m3	40.3	52.3	130	64-137	
cis-1,3-Dichloropropene	ug/m3	46.2	46.6	101	75-128	
Cyclohexane	ug/m3	35	44.7	128	62-143	
Dibromochloromethane	ug/m3	86.6	91.8	106	75-136	
Dichlorodifluoromethane	ug/m3	50.3	67.4	134	70-141	
Dichlorotetrafluoroethane	ug/m3	71.1	88.7	125	71-139	
Ethanol	ug/m3	19.2	22.2	116	60-144	
Ethyl acetate	ug/m3	36.6	45.4	124	64-137	
Ethylbenzene	ug/m3	44.2	56.2	127	71-136	
Hexachloro-1,3-butadiene	ug/m3	108	111	102	51-150	
m&p-Xylene	ug/m3	88.3	110	124	71-134	
Methyl-tert-butyl ether	ug/m3	36.7	48.6	132	73-134	
Methylene Chloride	ug/m3	35.3	26.8	76	64-130	
n-Heptane	ug/m3	41.7	53.9	129	63-135	
n-Hexane	ug/m3	35.8	43.0	120	69-135	
Naphthalene	ug/m3	53.3	56.5	106	43-150	
o-Xylene	ug/m3	44.2	54.9	124	75-134	
Propylene	ug/m3	17.5	21.5	123	58-135	
Styrene	ug/m3	43.3	57.3	132	75-133	
Tetrachloroethene	ug/m3	69	88.0	128	66-137	
Tetrahydrofuran	ug/m3	30	30.1	100	58-135	
Toluene	ug/m3	38.3	49.1	128	70-129	
trans-1,2-Dichloroethene	ug/m3	40.3	51.0	127	61-140	
trans-1,3-Dichloropropene	ug/m3	46.2	45.8	99	75-134	
Trichloroethene	ug/m3	54.6	72.1	132	70-134	
Trichlorofluoromethane	ug/m3	57.1	71.9	126	67-140	
Vinyl acetate	ug/m3	35.8	47.8	134	60-139	
Vinyl chloride	ug/m3	26	31.6	122	72-129	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 133200 Arcadia
Pace Project No.: 10318964

SAMPLE DUPLICATE: 2065764

Parameter	Units	10318964004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	4.2	4.2	1	25	
2-Hexanone	ug/m3	ND	1.1J		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	1.6J		25	
Acetone	ug/m3	15.3	16.9	10	25	
Benzene	ug/m3	0.74	0.75	1	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	.51J		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	1.1	1.1	4	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	1.8	1.9	4	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	2.9	3.0	3	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	8.3	7.0	17	25	
Ethyl acetate	ug/m3	1.2	1.2	2	25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	1.5J		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	4.6J		25	
n-Heptane	ug/m3	2.1	2.4	14	25	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 133200 Arcadia
Pace Project No.: 10318964

SAMPLE DUPLICATE: 2065764

Parameter	Units	10318964004 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	3.2J		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	1.4	1.3	7	25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	2.5	2.6	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	1.5J		25	
Vinyl acetate	ug/m3	2.5	2.4	3	25	
Vinyl chloride	ug/m3	ND	ND		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

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 133200 Arcadia
Pace Project No.: 10318964

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-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 133200 Arcadia
Pace Project No.: 10318964

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10318964001	**Bawek Ambient**	TO-15	AIR/24019		
10318964002	**Tapatia Ambient**	TO-15	AIR/24019		
10318964003	**Tapatia Crawlspace**	TO-15	AIR/24019		
10318964004	**Outdoor Ambient**	TO-15	AIR/24019		

10310464

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

29680

Page: 1 of 1

Section A Required Client Information:

Company:	CB&F
Address:	
Email To:	heidi.woelfel@cbi.com
Phone:	414-687-3313
Fax:	
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	Arcadia
Project Number:	133200

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager/Sales Rep.	
Pace Profile #:	

Program: UST ☐ Superfund ☐ Emissions ☐ Clean Air Act ☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☒ Other DERF

Location of Sampling by State: WI

Reporting Units: ug/m³ ___ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II. ___ III. ___ IV. ___ Other ___

'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

ITEM #	AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START END/GRAB DATE	COLLECTED COMPOSITE START END/GRAB TIME	COLLECTED COMPOSITE - DATE	COLLECTED COMPOSITE - TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	Bawek Ambient	6LC	-	8/18/15	810	8/18/15	1530	29	3	1221	FC0444							X			001
2	Tapatia Ambient	6LC	-	8/18/15	1015	8/18/15	1620	28.5	6	0689	1057							X			002
3	Tapatia Crawlspace	6LC	-	8/18/15	1015	8/18/15	1625	29	6.5	0603	0405							X			003
4	Outdoor Ambient	6LC	-	8/18/15	735	8/18/15	~~1530~~ 1510	29	~~3~~ 1.5	2029	FC2866							X			004
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
CB&F	8/19/15	0800		8/19/15	1025
				82015	0954

SAMPLE CONDITIONS

	Y/N	Y/N	Y/N	Y/N
AMB	Y/N	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N	Y/N
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jared Schmidt

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 8/19/15

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 29June2015 Page 1 of 1
	Document No.: F-MN-A-106-rev.10	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: CB+I

Project #: WO#: 10318964

10318964

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): X **Corrected Temp (°C):** X **Thermom. Used:** ☐ B88A912167504 ☐ B88A9132521491 ☐ 72337080 ☐ 80512447

Temp should be above freezing to 6°C **Correction Factor:** X **Date & Initials of Person Examining Contents:** 8/20/15

Type of ice Received ☐ Blue ☐ Wet ☒ None

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

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
Bawek	1221	0144			
tupatan	0689	1057			
tupaty crawl	0603	0405			
outdoor	2029	0286			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: AMP **Date:** 8/21/15

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)

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

August 26, 2015

Heidi Woelfel
CB & I
200 South Executive Drive
Suite 101
Brookfield, WI 53005

RE: Project: 133200 ARCADIA
Pace Project No.: 40119848

Dear Heidi Woelfel:
Enclosed are the analytical results for sample(s) received by the laboratory on August 19, 2015. 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,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 133200 ARCADIA
Pace Project No.: 40119848

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
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 133200 ARCADIA
Pace Project No.: 40119848

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40119848001	**MW-30 2-4'**	Solid	08/18/15 12:00	08/19/15 15:15
40119848002	**MW-30 8-10'**	Solid	08/18/15 12:20	08/19/15 15:15
40119848003	**SB-21 2-4'**	Solid	08/18/15 13:20	08/19/15 15:15
40119848004	**SB-22 2-4'**	Solid	08/18/15 13:30	08/19/15 15:15
40119848005	**SB-23 2-4'**	Solid	08/18/15 13:40	08/19/15 15:15
40119848006	**SB-24 2-4'**	Solid	08/18/15 13:45	08/19/15 15:15
40119848007	**SB-25 2-4'**	Solid	08/18/15 13:45	08/19/15 15:15
40119848008	**MEOH BLANK**	Solid	08/18/15 00:00	08/19/15 15:15

REPORT OF LABORATORY ANALYSIS

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

SAMPLE ANALYTE COUNT

Project: 133200 ARCADIA
Pace Project No.: 40119848

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40119848001	**MW-30 2-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40119848002	**MW-30 8-10'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40119848003	**SB-21 2-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40119848004	**SB-22 2-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40119848005	**SB-23 2-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40119848006	**SB-24 2-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40119848007	**SB-25 2-4'**	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40119848008	**MEOH BLANK**	EPA 8260	SMT	64	PASI-G

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

PROJECT NARRATIVE

Project: 133200 ARCADIA
Pace Project No.: 40119848

Method: **EPA 8260**
Description: 8260 MSV Med Level Normal List
Client: CB&I - Brookfield
Date: August 26, 2015

General Information:
8 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

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

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

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

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

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

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

QC Batch: MSV/29873

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

Additional Comments:

Analyte Comments:

QC Batch: MSV/29873

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

- SB-22 2-4' (Lab ID: 40119848004)
  - Dibromofluoromethane (S)

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: MW-30 2-4' **Lab ID: 40119848001** Collected: 08/18/15 12:00 Received: 08/19/15 15:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/20/15 08:00	08/20/15 23:13	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/20/15 08:00	08/20/15 23:13	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/20/15 08:00	08/20/15 23:13	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/20/15 08:00	08/20/15 23:13	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/20/15 08:00	08/20/15 23:13	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: MW-30 2-4' **Lab ID: 40119848001** Collected: 08/18/15 12:00 Received: 08/19/15 15:15 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	08/20/15 08:00	08/20/15 23:13	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/20/15 08:00	08/20/15 23:13	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/20/15 08:00	08/20/15 23:13	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:13	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	49-157		1	08/20/15 08:00	08/20/15 23:13	1868-53-7	
Toluene-d8 (S)	112	%	61-148		1	08/20/15 08:00	08/20/15 23:13	2037-26-5	
4-Bromofluorobenzene (S)	102	%	53-134		1	08/20/15 08:00	08/20/15 23:13	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		08/25/15 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: MW-30 8-10' **Lab ID: 40119848002** Collected: 08/18/15 12:20 Received: 08/19/15 15:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/20/15 08:00	08/20/15 23:36	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/20/15 08:00	08/20/15 23:36	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/20/15 08:00	08/20/15 23:36	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/20/15 08:00	08/20/15 23:36	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	75-35-4	W
cis-1,2-Dichloroethene	**104**	ug/kg	74.4	31.0	1	08/20/15 08:00	08/20/15 23:36	156-59-2	
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/20/15 08:00	08/20/15 23:36	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: MW-30 8-10' **Lab ID: 40119848002** Collected: 08/18/15 12:20 Received: 08/19/15 15:15 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	08/20/15 08:00	08/20/15 23:36	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	79-34-5	W
Tetrachloroethene	**932**	ug/kg	74.4	31.0	1	08/20/15 08:00	08/20/15 23:36	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/20/15 08:00	08/20/15 23:36	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	79-00-5	W
Trichloroethene	**130**	ug/kg	74.4	31.0	1	08/20/15 08:00	08/20/15 23:36	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/20/15 08:00	08/20/15 23:36	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:36	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	49-157		1	08/20/15 08:00	08/20/15 23:36	1868-53-7	
Toluene-d8 (S)	105	%	61-148		1	08/20/15 08:00	08/20/15 23:36	2037-26-5	
4-Bromofluorobenzene (S)	97	%	53-134		1	08/20/15 08:00	08/20/15 23:36	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**19.3**	%	0.10	0.10	1		08/25/15 12:25		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-21 2-4' **Lab ID: 40119848003** Collected: 08/18/15 13:20 Received: 08/19/15 15:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/20/15 08:00	08/20/15 23:58	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/20/15 08:00	08/20/15 23:58	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/20/15 08:00	08/20/15 23:58	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/20/15 08:00	08/20/15 23:58	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	75-35-4	W
cis-1,2-Dichloroethene	**96.3**	ug/kg	68.6	28.6	1	08/20/15 08:00	08/20/15 23:58	156-59-2	
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/20/15 08:00	08/20/15 23:58	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-21 2-4' **Lab ID: 40119848003** Collected: 08/18/15 13:20 Received: 08/19/15 15:15 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	08/20/15 08:00	08/20/15 23:58	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	79-34-5	W
Tetrachloroethene	**2470**	ug/kg	68.6	28.6	1	08/20/15 08:00	08/20/15 23:58	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/20/15 08:00	08/20/15 23:58	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	79-00-5	W
Trichloroethene	**361**	ug/kg	68.6	28.6	1	08/20/15 08:00	08/20/15 23:58	79-01-6	
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/20/15 08:00	08/20/15 23:58	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 23:58	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	49-157		1	08/20/15 08:00	08/20/15 23:58	1868-53-7	
Toluene-d8 (S)	108	%	61-148		1	08/20/15 08:00	08/20/15 23:58	2037-26-5	
4-Bromofluorobenzene (S)	97	%	53-134		1	08/20/15 08:00	08/20/15 23:58	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		08/25/15 12:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-22 2-4' **Lab ID: 40119848004** Collected: 08/18/15 13:30 Received: 08/19/15 15:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	71-43-2	W
Bromobenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	108-86-1	W
Bromochloromethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	74-97-5	W
Bromodichloromethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	75-27-4	W
Bromoform	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	75-25-2	W
Bromomethane	**<280**	ug/kg	1000	280	4	08/20/15 08:00	08/21/15 01:52	74-83-9	W
n-Butylbenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	104-51-8	W
sec-Butylbenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	135-98-8	W
tert-Butylbenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	98-06-6	W
Carbon tetrachloride	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	56-23-5	W
Chlorobenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	108-90-7	W
Chloroethane	**<268**	ug/kg	1000	268	4	08/20/15 08:00	08/21/15 01:52	75-00-3	W
Chloroform	**<186**	ug/kg	1000	186	4	08/20/15 08:00	08/21/15 01:52	67-66-3	W
Chloromethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	74-87-3	W
2-Chlorotoluene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	95-49-8	W
4-Chlorotoluene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	106-43-4	W
1,2-Dibromo-3-chloropropane	**<365**	ug/kg	1000	365	4	08/20/15 08:00	08/21/15 01:52	96-12-8	W
Dibromochloromethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	124-48-1	W
1,2-Dibromoethane (EDB)	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	106-93-4	W
Dibromomethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	74-95-3	W
1,2-Dichlorobenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	95-50-1	W
1,3-Dichlorobenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	541-73-1	W
1,4-Dichlorobenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	106-46-7	W
Dichlorodifluoromethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	75-71-8	W
1,1-Dichloroethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	75-34-3	W
1,2-Dichloroethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	107-06-2	W
1,1-Dichloroethene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	75-35-4	W
cis-1,2-Dichloroethene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	156-59-2	W
trans-1,2-Dichloroethene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	156-60-5	W
1,2-Dichloropropane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	78-87-5	W
1,3-Dichloropropane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	142-28-9	W
2,2-Dichloropropane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	594-20-7	W
1,1-Dichloropropene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	563-58-6	W
cis-1,3-Dichloropropene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	10061-01-5	W
trans-1,3-Dichloropropene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	10061-02-6	W
Diisopropyl ether	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	108-20-3	W
Ethylbenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	100-41-4	W
Hexachloro-1,3-butadiene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	87-68-3	W
Isopropylbenzene (Cumene)	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	98-82-8	W
p-Isopropyltoluene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	99-87-6	W
Methylene Chloride	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	75-09-2	W
Methyl-tert-butyl ether	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	1634-04-4	W
Naphthalene	**<160**	ug/kg	1000	160	4	08/20/15 08:00	08/21/15 01:52	91-20-3	W
n-Propylbenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	103-65-1	W
Styrene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-22 2-4' **Lab ID: 40119848004** Collected: 08/18/15 13:30 Received: 08/19/15 15:15 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	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	630-20-6	W
1,1,2,2-Tetrachloroethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	79-34-5	W
Tetrachloroethene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	127-18-4	W
Toluene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	108-88-3	W
1,2,3-Trichlorobenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	87-61-6	W
1,2,4-Trichlorobenzene	**<190**	ug/kg	1000	190	4	08/20/15 08:00	08/21/15 01:52	120-82-1	W
1,1,1-Trichloroethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	71-55-6	W
1,1,2-Trichloroethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	79-00-5	W
Trichloroethene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	79-01-6	W
Trichlorofluoromethane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	75-69-4	W
1,2,3-Trichloropropane	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	96-18-4	W
1,2,4-Trimethylbenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	95-63-6	W
1,3,5-Trimethylbenzene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	108-67-8	W
Vinyl chloride	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	75-01-4	W
m&p-Xylene	**<200**	ug/kg	480	200	4	08/20/15 08:00	08/21/15 01:52	179601-23-1	W
o-Xylene	**<100**	ug/kg	240	100	4	08/20/15 08:00	08/21/15 01:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	49-157		4	08/20/15 08:00	08/21/15 01:52	1868-53-7	D3
Toluene-d8 (S)	96	%	61-148		4	08/20/15 08:00	08/21/15 01:52	2037-26-5	
4-Bromofluorobenzene (S)	105	%	53-134		4	08/20/15 08:00	08/21/15 01:52	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.3**	%	0.10	0.10	1		08/25/15 12:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-23 2-4' **Lab ID: 40119848005** Collected: 08/18/15 13:40 Received: 08/19/15 15:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/20/15 08:00	08/21/15 10:03	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/20/15 08:00	08/21/15 10:03	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/20/15 08:00	08/21/15 10:03	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/20/15 08:00	08/21/15 10:03	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/20/15 08:00	08/21/15 10:03	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-23 2-4' **Lab ID: 40119848005** Collected: 08/18/15 13:40 Received: 08/19/15 15:15 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	08/20/15 08:00	08/21/15 10:03	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	79-34-5	W
Tetrachloroethene	**42.4J**	ug/kg	64.1	26.7	1	08/20/15 08:00	08/21/15 10:03	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/20/15 08:00	08/21/15 10:03	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/20/15 08:00	08/21/15 10:03	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 10:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	49-157		1	08/20/15 08:00	08/21/15 10:03	1868-53-7	
Toluene-d8 (S)	101	%	61-148		1	08/20/15 08:00	08/21/15 10:03	2037-26-5	
4-Bromofluorobenzene (S)	101	%	53-134		1	08/20/15 08:00	08/21/15 10:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.4**	%	0.10	0.10	1		08/25/15 12:26		

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-24 2-4' **Lab ID: 40119848006** Collected: 08/18/15 13:45 Received: 08/19/15 15:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/20/15 08:00	08/21/15 09:41	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/20/15 08:00	08/21/15 09:41	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/20/15 08:00	08/21/15 09:41	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/20/15 08:00	08/21/15 09:41	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/20/15 08:00	08/21/15 09:41	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	100-42-5	W

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-24 2-4' **Lab ID: 40119848006** Collected: 08/18/15 13:45 Received: 08/19/15 15:15 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	08/20/15 08:00	08/21/15 09:41	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/20/15 08:00	08/21/15 09:41	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/20/15 08:00	08/21/15 09:41	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 09:41	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	49-157		1	08/20/15 08:00	08/21/15 09:41	1868-53-7	
Toluene-d8 (S)	95	%	61-148		1	08/20/15 08:00	08/21/15 09:41	2037-26-5	
4-Bromofluorobenzene (S)	95	%	53-134		1	08/20/15 08:00	08/21/15 09:41	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.5**	%	0.10	0.10	1		08/25/15 12:26		

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-25 2-4' **Lab ID: 40119848007** Collected: 08/18/15 13:45 Received: 08/19/15 15:15 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/20/15 08:00	08/21/15 00:43	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/20/15 08:00	08/21/15 00:43	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/20/15 08:00	08/21/15 00:43	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/20/15 08:00	08/21/15 00:43	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/20/15 08:00	08/21/15 00:43	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: SB-25 2-4' **Lab ID: 40119848007** Collected: 08/18/15 13:45 Received: 08/19/15 15:15 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	08/20/15 08:00	08/21/15 00:43	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	79-34-5	W
Tetrachloroethene	**297**	ug/kg	72.9	30.4	1	08/20/15 08:00	08/21/15 00:43	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/20/15 08:00	08/21/15 00:43	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/20/15 08:00	08/21/15 00:43	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/21/15 00:43	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	117	%	49-157		1	08/20/15 08:00	08/21/15 00:43	1868-53-7	
Toluene-d8 (S)	113	%	61-148		1	08/20/15 08:00	08/21/15 00:43	2037-26-5	
4-Bromofluorobenzene (S)	105	%	53-134		1	08/20/15 08:00	08/21/15 00:43	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		08/25/15 12:26		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: MEOH BLANK **Lab ID: 40119848008** Collected: 08/18/15 00:00 Received: 08/19/15 15:15 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/20/15 08:00	08/20/15 22:50	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/20/15 08:00	08/20/15 22:50	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/20/15 08:00	08/20/15 22:50	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/20/15 08:00	08/20/15 22:50	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/20/15 08:00	08/20/15 22:50	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	103-65-1	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119848

Sample: MEOH BLANK **Lab ID: 40119848008** Collected: 08/18/15 00:00 Received: 08/19/15 15:15 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	08/20/15 08:00	08/20/15 22:50	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/20/15 08:00	08/20/15 22:50	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/20/15 08:00	08/20/15 22:50	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/20/15 08:00	08/20/15 22:50	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	49-157		1	08/20/15 08:00	08/20/15 22:50	1868-53-7	
Toluene-d8 (S)	102	%	61-148		1	08/20/15 08:00	08/20/15 22:50	2037-26-5	
4-Bromofluorobenzene (S)	99	%	53-134		1	08/20/15 08:00	08/20/15 22:50	460-00-4	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119848

QC Batch: MSV/29873 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40119848001, 40119848002, 40119848003, 40119848004, 40119848005, 40119848006, 40119848007, 40119848008

METHOD BLANK: 1208994 Matrix: Solid
Associated Lab Samples: 40119848001, 40119848002, 40119848003, 40119848004, 40119848005, 40119848006, 40119848007, 40119848008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/20/15 17:10	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/20/15 17:10	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/20/15 17:10	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/20/15 17:10	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/20/15 17:10	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/20/15 17:10	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/20/15 17:10	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/20/15 17:10	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/20/15 17:10	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/20/15 17:10	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/20/15 17:10	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/20/15 17:10	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/20/15 17:10	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/20/15 17:10	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/20/15 17:10	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/20/15 17:10	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/20/15 17:10	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/20/15 17:10	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/20/15 17:10	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/20/15 17:10	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/20/15 17:10	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/20/15 17:10	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/20/15 17:10	
Benzene	ug/kg	<9.2	20.0	08/20/15 17:10	
Bromobenzene	ug/kg	<20.6	50.0	08/20/15 17:10	
Bromochloromethane	ug/kg	<21.4	50.0	08/20/15 17:10	
Bromodichloromethane	ug/kg	<9.8	50.0	08/20/15 17:10	
Bromoform	ug/kg	<19.8	50.0	08/20/15 17:10	
Bromomethane	ug/kg	<69.9	250	08/20/15 17:10	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/20/15 17:10	
Chlorobenzene	ug/kg	<14.8	50.0	08/20/15 17:10	
Chloroethane	ug/kg	<67.0	250	08/20/15 17:10	
Chloroform	ug/kg	<46.4	250	08/20/15 17:10	
Chloromethane	ug/kg	<20.4	50.0	08/20/15 17:10	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/20/15 17:10	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/20/15 17:10	
Dibromochloromethane	ug/kg	<17.9	50.0	08/20/15 17:10	
Dibromomethane	ug/kg	<19.3	50.0	08/20/15 17:10	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/20/15 17:10	
Diisopropyl ether	ug/kg	<17.7	50.0	08/20/15 17:10	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119848

METHOD BLANK: 1208994 Matrix: Solid

Associated Lab Samples: 40119848001, 40119848002, 40119848003, 40119848004, 40119848005, 40119848006, 40119848007, 40119848008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	08/20/15 17:10	
Hexachloro-1,3-butadiene	ug/kg	43.7J	50.0	08/20/15 17:10	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/20/15 17:10	
m&p-Xylene	ug/kg	<34.4	100	08/20/15 17:10	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/20/15 17:10	
Methylene Chloride	ug/kg	<16.2	50.0	08/20/15 17:10	
n-Butylbenzene	ug/kg	25.9J	50.0	08/20/15 17:10	
n-Propylbenzene	ug/kg	12.4J	50.0	08/20/15 17:10	
Naphthalene	ug/kg	<40.0	250	08/20/15 17:10	
o-Xylene	ug/kg	<14.0	50.0	08/20/15 17:10	
p-Isopropyltoluene	ug/kg	20.1J	50.0	08/20/15 17:10	
sec-Butylbenzene	ug/kg	17.5J	50.0	08/20/15 17:10	
Styrene	ug/kg	<9.0	50.0	08/20/15 17:10	
tert-Butylbenzene	ug/kg	14.3J	50.0	08/20/15 17:10	
Tetrachloroethene	ug/kg	<12.9	50.0	08/20/15 17:10	
Toluene	ug/kg	<11.2	50.0	08/20/15 17:10	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/20/15 17:10	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/20/15 17:10	
Trichloroethene	ug/kg	<23.6	50.0	08/20/15 17:10	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/20/15 17:10	
Vinyl chloride	ug/kg	<21.1	50.0	08/20/15 17:10	
4-Bromofluorobenzene (S)	%	102	53-134	08/20/15 17:10	
Dibromofluoromethane (S)	%	112	49-157	08/20/15 17:10	
Toluene-d8 (S)	%	108	61-148	08/20/15 17:10	

LABORATORY CONTROL SAMPLE & LCSD: 1208995 1208996

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2650	2710	106	109	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2410	2420	96	97	70-130	1	20	
1,1,2-Trichloroethane	ug/kg	2500	2650	2460	106	99	70-130	7	20	
1,1-Dichloroethane	ug/kg	2500	2520	2600	101	104	70-130	3	20	
1,1-Dichloroethene	ug/kg	2500	2550	2510	102	101	70-132	1	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2470	2630	99	105	70-130	7	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2430	2410	97	96	45-150	1	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2700	2490	108	100	70-130	8	20	
1,2-Dichlorobenzene	ug/kg	2500	2460	2550	99	102	70-130	3	20	
1,2-Dichloroethane	ug/kg	2500	2630	2670	105	107	70-134	1	20	
1,2-Dichloropropane	ug/kg	2500	2600	2600	104	104	70-130	0	20	
1,3-Dichlorobenzene	ug/kg	2500	2410	2510	96	100	70-130	4	20	
1,4-Dichlorobenzene	ug/kg	2500	2460	2530	99	101	70-130	3	20	
Benzene	ug/kg	2500	2640	2670	106	107	70-130	1	20	
Bromodichloromethane	ug/kg	2500	2730	2740	109	109	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119848

LABORATORY CONTROL SAMPLE & LCSD: 1208995 1208996

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Bromoform	ug/kg	2500	2230	2160	89	87	48-130	3	20	
Bromomethane	ug/kg	2500	2340	2680	94	107	70-169	13	20	
Carbon tetrachloride	ug/kg	2500	2660	2790	106	112	67-130	5	20	
Chlorobenzene	ug/kg	2500	2610	2520	105	101	70-130	4	20	
Chloroethane	ug/kg	2500	2710	2650	108	106	70-191	2	20	
Chloroform	ug/kg	2500	2550	2640	102	106	70-130	3	20	
Chloromethane	ug/kg	2500	2290	2360	92	94	52-132	3	20	
cis-1,2-Dichloroethene	ug/kg	2500	2590	2630	104	105	70-130	2	20	
cis-1,3-Dichloropropene	ug/kg	2500	2630	2690	105	108	70-130	2	20	
Dibromochloromethane	ug/kg	2500	2400	2270	96	91	65-130	5	20	
Dichlorodifluoromethane	ug/kg	2500	1720	1640	69	66	12-150	5	20	
Ethylbenzene	ug/kg	2500	2620	2510	105	100	70-130	4	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2660	2620	106	105	70-130	1	20	
m&p-Xylene	ug/kg	5000	5360	5160	107	103	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	2500	2540	2560	102	102	70-130	1	20	
Methylene Chloride	ug/kg	2500	2580	2760	103	110	70-131	7	20	
o-Xylene	ug/kg	2500	2640	2520	106	101	70-130	5	20	
Styrene	ug/kg	2500	2740	2620	110	105	70-130	4	20	
Tetrachloroethene	ug/kg	2500	2520	2430	101	97	70-130	4	20	
Toluene	ug/kg	2500	2620	2540	105	102	70-130	3	20	
trans-1,2-Dichloroethene	ug/kg	2500	2390	2560	96	102	69-130	7	20	
trans-1,3-Dichloropropene	ug/kg	2500	2360	2260	94	91	65-130	4	20	
Trichloroethene	ug/kg	2500	2560	2620	102	105	70-130	3	20	
Trichlorofluoromethane	ug/kg	2500	2510	2650	100	106	50-150	5	20	
Vinyl chloride	ug/kg	2500	2320	2430	93	97	67-134	5	20	
4-Bromofluorobenzene (S)	%				105	104	53-134			
Dibromofluoromethane (S)	%				109	114	49-157			
Toluene-d8 (S)	%				110	106	61-148			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119848

QC Batch: PMST/11678 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40119848001, 40119848002, 40119848003, 40119848004, 40119848005, 40119848006, 40119848007

SAMPLE DUPLICATE: 1210995

Parameter	Units	40120061001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.9	6.8	1	10	

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 133200 ARCADIA
Pace Project No.: 40119848

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

BATCH QUALIFIERS

Batch: MSV/29875

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 133200 ARCADIA
Pace Project No.: 40119848

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40119848001	**MW-30 2-4'**	EPA 5035/5030B	MSV/29873	EPA 8260	MSV/29875
40119848002	**MW-30 8-10'**	EPA 5035/5030B	MSV/29873	EPA 8260	MSV/29875
40119848003	**SB-21 2-4'**	EPA 5035/5030B	MSV/29873	EPA 8260	MSV/29875
40119848004	**SB-22 2-4'**	EPA 5035/5030B	MSV/29873	EPA 8260	MSV/29875
40119848005	**SB-23 2-4'**	EPA 5035/5030B	MSV/29873	EPA 8260	MSV/29875
40119848006	**SB-24 2-4'**	EPA 5035/5030B	MSV/29873	EPA 8260	MSV/29875
40119848007	**SB-25 2-4'**	EPA 5035/5030B	MSV/29873	EPA 8260	MSV/29875
40119848008	**MEOH BLANK**	EPA 5035/5030B	MSV/29873	EPA 8260	MSV/29875
40119848001	**MW-30 2-4'**	ASTM D2974-87	PMST/11678		
40119848002	**MW-30 8-10'**	ASTM D2974-87	PMST/11678		
40119848003	**SB-21 2-4'**	ASTM D2974-87	PMST/11678		
40119848004	**SB-22 2-4'**	ASTM D2974-87	PMST/11678		
40119848005	**SB-23 2-4'**	ASTM D2974-87	PMST/11678		
40119848006	**SB-24 2-4'**	ASTM D2974-87	PMST/11678		
40119848007	**SB-25 2-4'**	ASTM D2974-87	PMST/11678		

Pace Analytical®
www.pacelabs.com

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

mm.

401198 48

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	CB&I
Branch/Location:	WI
Project Contact:	Heidi Woelfel
Phone:	414-687-3313
Project Number:	133200
Project Name:	Arcadia
Project State:	WI
Sampled By (Print):	Jared Schmidt
Sampled By (Sign):	
PO #:	Regulatory Program:

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

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
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 DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC F	% solids A	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-30 2-4'	8/18/15	1200	S			X	X		1-40mlVF, 1-4ozJ A	
002	MW-30 8-10'	8/18/15	1220	S			X	X			
003	SB-21 2-4'	8/18/15	1320	S			X	X			
004	SB-22 2-4'	8/18/15	1330	S			X	X			
005	SB-23 2-4'	8/18/15	1340	S			X	X			
006	SB-24 2-4'	8/18/15	1345	S			X	X			
007	SB-25 2-4'	8/18/15	1350	S			X	X			
008	MEOH BLANK *									1-40mlVF	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	
Transmit Prelim Rush Results by (complete what you want):	
Email #1:	
Email #2:	
Telephone:	
Fax:	
Samples on HOLD are subject to special pricing and release of liability	

Relinquished By:	Date/Time:	Received By:	Date/Time:
	8/18/15 0800	Melissa Verenna	8-19-15 1025
Melissa Verenna	8-19-15 1515	mainmckay	8-19-15 1515

PACE Project No. 401198 48
Receipt Temp = 12.0i °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

C019a(27Jun2006) *added per lab. mm 8-19-15

Version 6.0 06/14/06

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Client Name: CB+T

Project **WO#: 40119848**

40119848

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: 20.1 /Corr: _____ **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 8-19-15
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:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: S				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes	☑No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	14.
Trip Blank Present:	☐Yes	☐No	☑N/A	15.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: received poly containers 13 and 13 syringes 12 vials with meoh. mm 8-19-15 meoh blank added to COC. mm 8-19-15

Project Manager Review: CW **Date:** 8-19-15

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

August 24, 2015

Heidi Woelfel
CB & I
200 South Executive Drive
Suite 101
Brookfield, WI 53005

RE: Project: 133200 ARCADIA
Pace Project No.: 40119847

Dear Heidi Woelfel:
Enclosed are the analytical results for sample(s) received by the laboratory on August 19, 2015. 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,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 133200 ARCADIA
Pace Project No.: 40119847

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
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 133200 ARCADIA
Pace Project No.: 40119847

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40119847001	**MW-14**	Water	08/18/15 09:40	08/19/15 15:15
40119847002	**MW-15**	Water	08/18/15 10:15	08/19/15 15:15
40119847003	**MW-21**	Water	08/17/15 17:15	08/19/15 15:15
40119847004	**MW-22**	Water	08/18/15 08:10	08/19/15 15:15
40119847005	**MW-23**	Water	08/18/15 10:45	08/19/15 15:15
40119847006	**MW-24**	Water	08/18/15 09:00	08/19/15 15:15
40119847007	**MW-25**	Water	08/17/15 16:35	08/19/15 15:15
40119847008	**MW-26**	Water	08/17/15 15:25	08/19/15 15:15
40119847009	**MW-27**	Water	08/17/15 14:55	08/19/15 15:15
40119847010	**MW-30**	Water	08/18/15 14:50	08/19/15 15:15
40119847011	**PZ-1**	Water	08/17/15 17:50	08/19/15 15:15
40119847012	**PZ-2**	Water	08/17/15 16:00	08/19/15 15:15
40119847013	**MW-140**	Water	08/18/15 10:30	08/19/15 15:15
40119847014	**TRI PBLANK**	Water	08/18/15 00:00	08/19/15 15:15

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SAMPLE ANALYTE COUNT

Project: 133200 ARCADIA
Pace Project No.: 40119847

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40119847001	**MW-14**	EPA 8260	LAP	64	PASI-G
40119847002	**MW-15**	EPA 8260	LAP	64	PASI-G
40119847003	**MW-21**	EPA 8260	LAP	64	PASI-G
40119847004	**MW-22**	EPA 8260	LAP	64	PASI-G
40119847005	**MW-23**	EPA 8260	LAP	64	PASI-G
40119847006	**MW-24**	EPA 8260	LAP	64	PASI-G
40119847007	**MW-25**	EPA 8260	LAP	64	PASI-G
40119847008	**MW-26**	EPA 8260	LAP	64	PASI-G
40119847009	**MW-27**	EPA 8260	LAP	64	PASI-G
40119847010	**MW-30**	EPA 8260	LAP	64	PASI-G
40119847011	**PZ-1**	EPA 8260	LAP	64	PASI-G
40119847012	**PZ-2**	EPA 8260	HNW	64	PASI-G
40119847013	**MW-140**	EPA 8260	AJP	64	PASI-G
40119847014	**TRI PBLANK**	EPA 8260	HNW	64	PASI-G

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PROJECT NARRATIVE

Project: 133200 ARCADIA
Pace Project No.: 40119847

Method: **EPA 8260**
Description: 8260 MSV
Client: CB&I - Brookfield
Date: August 24, 2015

General Information:
14 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

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

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

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

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

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

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

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

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

QC Batch: MSV/29869

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40119847004

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 1208831)
  - Styrene

R1: RPD value was outside control limits.

- MSD (Lab ID: 1208831)
  - Styrene

Additional Comments:

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

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-14 **Lab ID: 40119847001** Collected: 08/18/15 09:40 Received: 08/19/15 15:15 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		08/20/15 20:33	71-43-2	
Bromobenzene	**<1.2**	ug/L	5.0	1.2	5		08/20/15 20:33	108-86-1	
Bromochloromethane	**<1.7**	ug/L	5.0	1.7	5		08/20/15 20:33	74-97-5	
Bromodichloromethane	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	75-27-4	
Bromoform	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	75-25-2	
Bromomethane	**<12.2**	ug/L	25.0	12.2	5		08/20/15 20:33	74-83-9	
n-Butylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	104-51-8	
sec-Butylbenzene	**<10.9**	ug/L	25.0	10.9	5		08/20/15 20:33	135-98-8	
tert-Butylbenzene	**<0.90**	ug/L	5.0	0.90	5		08/20/15 20:33	98-06-6	
Carbon tetrachloride	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	56-23-5	
Chlorobenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	108-90-7	
Chloroethane	**<1.9**	ug/L	5.0	1.9	5		08/20/15 20:33	75-00-3	
Chloroform	**<12.5**	ug/L	25.0	12.5	5		08/20/15 20:33	67-66-3	
Chloromethane	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	74-87-3	
2-Chlorotoluene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	95-49-8	
4-Chlorotoluene	**<1.1**	ug/L	5.0	1.1	5		08/20/15 20:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<10.8**	ug/L	25.0	10.8	5		08/20/15 20:33	96-12-8	
Dibromochloromethane	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.89**	ug/L	5.0	0.89	5		08/20/15 20:33	106-93-4	
Dibromomethane	**<2.1**	ug/L	5.0	2.1	5		08/20/15 20:33	74-95-3	
1,2-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	95-50-1	
1,3-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	541-73-1	
1,4-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	106-46-7	
Dichlorodifluoromethane	**<1.1**	ug/L	5.0	1.1	5		08/20/15 20:33	75-71-8	
1,1-Dichloroethane	**<1.2**	ug/L	5.0	1.2	5		08/20/15 20:33	75-34-3	
1,2-Dichloroethane	**<0.84**	ug/L	5.0	0.84	5		08/20/15 20:33	107-06-2	
1,1-Dichloroethene	**<2.1**	ug/L	5.0	2.1	5		08/20/15 20:33	75-35-4	
cis-1,2-Dichloroethene	**478**	ug/L	5.0	1.3	5		08/20/15 20:33	156-59-2	
trans-1,2-Dichloroethene	**3.4J**	ug/L	5.0	1.3	5		08/20/15 20:33	156-60-5	
1,2-Dichloropropane	**<1.2**	ug/L	5.0	1.2	5		08/20/15 20:33	78-87-5	
1,3-Dichloropropane	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	142-28-9	
2,2-Dichloropropane	**<2.4**	ug/L	5.0	2.4	5		08/20/15 20:33	594-20-7	
1,1-Dichloropropene	**<2.2**	ug/L	5.0	2.2	5		08/20/15 20:33	563-58-6	
cis-1,3-Dichloropropene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	10061-01-5	
trans-1,3-Dichloropropene	**<1.1**	ug/L	5.0	1.1	5		08/20/15 20:33	10061-02-6	
Diisopropyl ether	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	108-20-3	
Ethylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	100-41-4	
Hexachloro-1,3-butadiene	**<10.5**	ug/L	25.0	10.5	5		08/20/15 20:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.72**	ug/L	5.0	0.72	5		08/20/15 20:33	98-82-8	
p-Isopropyltoluene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	99-87-6	
Methylene Chloride	**<1.2**	ug/L	5.0	1.2	5		08/20/15 20:33	75-09-2	
Methyl-tert-butyl ether	**<0.87**	ug/L	5.0	0.87	5		08/20/15 20:33	1634-04-4	
Naphthalene	**<12.5**	ug/L	25.0	12.5	5		08/20/15 20:33	91-20-3	
n-Propylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	103-65-1	
Styrene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.90**	ug/L	5.0	0.90	5		08/20/15 20:33	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-14 **Lab ID: 40119847001** Collected: 08/18/15 09:40 Received: 08/19/15 15:15 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		08/20/15 20:33	79-34-5	
Tetrachloroethene	**618**	ug/L	5.0	2.5	5		08/20/15 20:33	127-18-4	
Toluene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	108-88-3	
1,2,3-Trichlorobenzene	**<10.7**	ug/L	25.0	10.7	5		08/20/15 20:33	87-61-6	
1,2,4-Trichlorobenzene	**<11.0**	ug/L	25.0	11.0	5		08/20/15 20:33	120-82-1	
1,1,1-Trichloroethane	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	71-55-6	
1,1,2-Trichloroethane	**<0.99**	ug/L	5.0	0.99	5		08/20/15 20:33	79-00-5	
Trichloroethene	**477**	ug/L	5.0	1.7	5		08/20/15 20:33	79-01-6	
Trichlorofluoromethane	**<0.92**	ug/L	5.0	0.92	5		08/20/15 20:33	75-69-4	
1,2,3-Trichloropropane	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	96-18-4	
1,2,4-Trimethylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	95-63-6	
1,3,5-Trimethylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	108-67-8	
Vinyl chloride	**28.6**	ug/L	5.0	0.88	5		08/20/15 20:33	75-01-4	
m&p-Xylene	**<5.0**	ug/L	10.0	5.0	5		08/20/15 20:33	179601-23-1	
o-Xylene	**<2.5**	ug/L	5.0	2.5	5		08/20/15 20:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		5		08/20/15 20:33	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		5		08/20/15 20:33	1868-53-7	
Toluene-d8 (S)	94	%	70-130		5		08/20/15 20:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-15 **Lab ID: 40119847002** Collected: 08/18/15 10:15 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		08/20/15 19:48	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		08/20/15 19:48	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		08/20/15 19:48	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		08/20/15 19:48	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		08/20/15 19:48	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		08/20/15 19:48	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		08/20/15 19:48	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		08/20/15 19:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		08/20/15 19:48	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		08/20/15 19:48	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		08/20/15 19:48	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		08/20/15 19:48	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		08/20/15 19:48	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		08/20/15 19:48	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		08/20/15 19:48	75-35-4	
cis-1,2-Dichloroethene	**675**	ug/L	10.0	2.6	10		08/20/15 19:48	156-59-2	
trans-1,2-Dichloroethene	**2.9J**	ug/L	10.0	2.6	10		08/20/15 19:48	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		08/20/15 19:48	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		08/20/15 19:48	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		08/20/15 19:48	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		08/20/15 19:48	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		08/20/15 19:48	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		08/20/15 19:48	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		08/20/15 19:48	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		08/20/15 19:48	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		08/20/15 19:48	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		08/20/15 19:48	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-15 **Lab ID: 40119847002** Collected: 08/18/15 10:15 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		08/20/15 19:48	79-34-5	
Tetrachloroethene	**337**	ug/L	10.0	5.0	10		08/20/15 19:48	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		08/20/15 19:48	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		08/20/15 19:48	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		08/20/15 19:48	79-00-5	
Trichloroethene	**2940**	ug/L	10.0	3.3	10		08/20/15 19:48	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		08/20/15 19:48	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	108-67-8	
Vinyl chloride	**74.2**	ug/L	10.0	1.8	10		08/20/15 19:48	75-01-4	
m&p-Xylene	**<10.0**	ug/L	20.0	10.0	10		08/20/15 19:48	179601-23-1	
o-Xylene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 19:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		10		08/20/15 19:48	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		10		08/20/15 19:48	1868-53-7	
Toluene-d8 (S)	96	%	70-130		10		08/20/15 19:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-21 **Lab ID: 40119847003** Collected: 08/17/15 17:15 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	71-43-2	
Bromobenzene	**<23.0**	ug/L	100	23.0	100		08/20/15 20:10	108-86-1	
Bromochloromethane	**<34.0**	ug/L	100	34.0	100		08/20/15 20:10	74-97-5	
Bromodichloromethane	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	75-27-4	
Bromoform	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	75-25-2	
Bromomethane	**<243**	ug/L	500	243	100		08/20/15 20:10	74-83-9	
n-Butylbenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	104-51-8	
sec-Butylbenzene	**<219**	ug/L	500	219	100		08/20/15 20:10	135-98-8	
tert-Butylbenzene	**<18.0**	ug/L	100	18.0	100		08/20/15 20:10	98-06-6	
Carbon tetrachloride	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	56-23-5	
Chlorobenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	108-90-7	
Chloroethane	**<37.5**	ug/L	100	37.5	100		08/20/15 20:10	75-00-3	
Chloroform	**<250**	ug/L	500	250	100		08/20/15 20:10	67-66-3	
Chloromethane	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	74-87-3	
2-Chlorotoluene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	95-49-8	
4-Chlorotoluene	**<21.4**	ug/L	100	21.4	100		08/20/15 20:10	106-43-4	
1,2-Dibromo-3-chloropropane	**<216**	ug/L	500	216	100		08/20/15 20:10	96-12-8	
Dibromochloromethane	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	124-48-1	
1,2-Dibromoethane (EDB)	**<17.8**	ug/L	100	17.8	100		08/20/15 20:10	106-93-4	
Dibromomethane	**<42.7**	ug/L	100	42.7	100		08/20/15 20:10	74-95-3	
1,2-Dichlorobenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	95-50-1	
1,3-Dichlorobenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	541-73-1	
1,4-Dichlorobenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	106-46-7	
Dichlorodifluoromethane	**<22.4**	ug/L	100	22.4	100		08/20/15 20:10	75-71-8	
1,1-Dichloroethane	**<24.2**	ug/L	100	24.2	100		08/20/15 20:10	75-34-3	
1,2-Dichloroethane	**<16.8**	ug/L	100	16.8	100		08/20/15 20:10	107-06-2	
1,1-Dichloroethene	**<41.0**	ug/L	100	41.0	100		08/20/15 20:10	75-35-4	
cis-1,2-Dichloroethene	**304**	ug/L	100	25.6	100		08/20/15 20:10	156-59-2	
trans-1,2-Dichloroethene	**<25.7**	ug/L	100	25.7	100		08/20/15 20:10	156-60-5	
1,2-Dichloropropane	**<23.3**	ug/L	100	23.3	100		08/20/15 20:10	78-87-5	
1,3-Dichloropropane	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	142-28-9	
2,2-Dichloropropane	**<48.4**	ug/L	100	48.4	100		08/20/15 20:10	594-20-7	
1,1-Dichloropropene	**<44.1**	ug/L	100	44.1	100		08/20/15 20:10	563-58-6	
cis-1,3-Dichloropropene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	10061-01-5	
trans-1,3-Dichloropropene	**<23.0**	ug/L	100	23.0	100		08/20/15 20:10	10061-02-6	
Diisopropyl ether	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	108-20-3	
Ethylbenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	100-41-4	
Hexachloro-1,3-butadiene	**<211**	ug/L	500	211	100		08/20/15 20:10	87-68-3	
Isopropylbenzene (Cumene)	**<14.3**	ug/L	100	14.3	100		08/20/15 20:10	98-82-8	
p-Isopropyltoluene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	99-87-6	
Methylene Chloride	**<23.3**	ug/L	100	23.3	100		08/20/15 20:10	75-09-2	
Methyl-tert-butyl ether	**<17.4**	ug/L	100	17.4	100		08/20/15 20:10	1634-04-4	
Naphthalene	**<250**	ug/L	500	250	100		08/20/15 20:10	91-20-3	
n-Propylbenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	103-65-1	
Styrene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	100-42-5	
1,1,1,2-Tetrachloroethane	**<18.1**	ug/L	100	18.1	100		08/20/15 20:10	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-21 **Lab ID: 40119847003** Collected: 08/17/15 17:15 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<24.9**	ug/L	100	24.9	100		08/20/15 20:10	79-34-5	
Tetrachloroethene	**4200**	ug/L	100	50.0	100		08/20/15 20:10	127-18-4	
Toluene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	108-88-3	
1,2,3-Trichlorobenzene	**<213**	ug/L	500	213	100		08/20/15 20:10	87-61-6	
1,2,4-Trichlorobenzene	**<221**	ug/L	500	221	100		08/20/15 20:10	120-82-1	
1,1,1-Trichloroethane	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	71-55-6	
1,1,2-Trichloroethane	**<19.7**	ug/L	100	19.7	100		08/20/15 20:10	79-00-5	
Trichloroethene	**364**	ug/L	100	33.1	100		08/20/15 20:10	79-01-6	
Trichlorofluoromethane	**<18.5**	ug/L	100	18.5	100		08/20/15 20:10	75-69-4	
1,2,3-Trichloropropane	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	96-18-4	
1,2,4-Trimethylbenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	95-63-6	
1,3,5-Trimethylbenzene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	108-67-8	
Vinyl chloride	**132**	ug/L	100	17.6	100		08/20/15 20:10	75-01-4	
m&p-Xylene	**<100**	ug/L	200	100	100		08/20/15 20:10	179601-23-1	
o-Xylene	**<50.0**	ug/L	100	50.0	100		08/20/15 20:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		100		08/20/15 20:10	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		100		08/20/15 20:10	1868-53-7	
Toluene-d8 (S)	96	%	70-130		100		08/20/15 20:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-22 **Lab ID: 40119847004** Collected: 08/18/15 08:10 Received: 08/19/15 15:15 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		08/20/15 09:26	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 09:26	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		08/20/15 09:26	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		08/20/15 09:26	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 09:26	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		08/20/15 09:26	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		08/20/15 09:26	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		08/20/15 09:26	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		08/20/15 09:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		08/20/15 09:26	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		08/20/15 09:26	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		08/20/15 09:26	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		08/20/15 09:26	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/20/15 09:26	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		08/20/15 09:26	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		08/20/15 09:26	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/20/15 09:26	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/20/15 09:26	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		08/20/15 09:26	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		08/20/15 09:26	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		08/20/15 09:26	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 09:26	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 09:26	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		08/20/15 09:26	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		08/20/15 09:26	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		08/20/15 09:26	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		08/20/15 09:26	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	100-42-5	M1,R1
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 09:26	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-22 **Lab ID: 40119847004** Collected: 08/18/15 08:10 Received: 08/19/15 15:15 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		08/20/15 09:26	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 09:26	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 09:26	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		08/20/15 09:26	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		08/20/15 09:26	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 09:26	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		08/20/15 09:26	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		08/20/15 09:26	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 09:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		08/20/15 09:26	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		08/20/15 09:26	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		08/20/15 09:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-23 **Lab ID: 40119847005** Collected: 08/18/15 10:45 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	71-43-2	
Bromobenzene	**<28.8**	ug/L	125	28.8	125		08/20/15 20:55	108-86-1	
Bromochloromethane	**<42.5**	ug/L	125	42.5	125		08/20/15 20:55	74-97-5	
Bromodichloromethane	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	75-27-4	
Bromoform	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	75-25-2	
Bromomethane	**<304**	ug/L	625	304	125		08/20/15 20:55	74-83-9	
n-Butylbenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	104-51-8	
sec-Butylbenzene	**<273**	ug/L	625	273	125		08/20/15 20:55	135-98-8	
tert-Butylbenzene	**<22.5**	ug/L	125	22.5	125		08/20/15 20:55	98-06-6	
Carbon tetrachloride	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	56-23-5	
Chlorobenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	108-90-7	
Chloroethane	**<46.8**	ug/L	125	46.8	125		08/20/15 20:55	75-00-3	
Chloroform	**<312**	ug/L	625	312	125		08/20/15 20:55	67-66-3	
Chloromethane	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	74-87-3	
2-Chlorotoluene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	95-49-8	
4-Chlorotoluene	**<26.7**	ug/L	125	26.7	125		08/20/15 20:55	106-43-4	
1,2-Dibromo-3-chloropropane	**<271**	ug/L	625	271	125		08/20/15 20:55	96-12-8	
Dibromochloromethane	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	124-48-1	
1,2-Dibromoethane (EDB)	**<22.2**	ug/L	125	22.2	125		08/20/15 20:55	106-93-4	
Dibromomethane	**<53.3**	ug/L	125	53.3	125		08/20/15 20:55	74-95-3	
1,2-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	95-50-1	
1,3-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	541-73-1	
1,4-Dichlorobenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	106-46-7	
Dichlorodifluoromethane	**<28.0**	ug/L	125	28.0	125		08/20/15 20:55	75-71-8	
1,1-Dichloroethane	**<30.2**	ug/L	125	30.2	125		08/20/15 20:55	75-34-3	
1,2-Dichloroethane	**<21.0**	ug/L	125	21.0	125		08/20/15 20:55	107-06-2	
1,1-Dichloroethene	**<51.3**	ug/L	125	51.3	125		08/20/15 20:55	75-35-4	
cis-1,2-Dichloroethene	**<32.0**	ug/L	125	32.0	125		08/20/15 20:55	156-59-2	
trans-1,2-Dichloroethene	**<32.1**	ug/L	125	32.1	125		08/20/15 20:55	156-60-5	
1,2-Dichloropropane	**<29.1**	ug/L	125	29.1	125		08/20/15 20:55	78-87-5	
1,3-Dichloropropane	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	142-28-9	
2,2-Dichloropropane	**<60.5**	ug/L	125	60.5	125		08/20/15 20:55	594-20-7	
1,1-Dichloropropene	**<55.1**	ug/L	125	55.1	125		08/20/15 20:55	563-58-6	
cis-1,3-Dichloropropene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	10061-01-5	
trans-1,3-Dichloropropene	**<28.7**	ug/L	125	28.7	125		08/20/15 20:55	10061-02-6	
Diisopropyl ether	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	108-20-3	
Ethylbenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	100-41-4	
Hexachloro-1,3-butadiene	**<263**	ug/L	625	263	125		08/20/15 20:55	87-68-3	
Isopropylbenzene (Cumene)	**<17.9**	ug/L	125	17.9	125		08/20/15 20:55	98-82-8	
p-Isopropyltoluene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	99-87-6	
Methylene Chloride	**<29.1**	ug/L	125	29.1	125		08/20/15 20:55	75-09-2	
Methyl-tert-butyl ether	**<21.8**	ug/L	125	21.8	125		08/20/15 20:55	1634-04-4	
Naphthalene	**<312**	ug/L	625	312	125		08/20/15 20:55	91-20-3	
n-Propylbenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	103-65-1	
Styrene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	100-42-5	
1,1,1,2-Tetrachloroethane	**<22.6**	ug/L	125	22.6	125		08/20/15 20:55	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-23 **Lab ID: 40119847005** Collected: 08/18/15 10:45 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<31.2**	ug/L	125	31.2	125		08/20/15 20:55	79-34-5	
Tetrachloroethene	**6250**	ug/L	125	62.5	125		08/20/15 20:55	127-18-4	
Toluene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	108-88-3	
1,2,3-Trichlorobenzene	**<267**	ug/L	625	267	125		08/20/15 20:55	87-61-6	
1,2,4-Trichlorobenzene	**<276**	ug/L	625	276	125		08/20/15 20:55	120-82-1	
1,1,1-Trichloroethane	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	71-55-6	
1,1,2-Trichloroethane	**<24.7**	ug/L	125	24.7	125		08/20/15 20:55	79-00-5	
Trichloroethene	**<41.3**	ug/L	125	41.3	125		08/20/15 20:55	79-01-6	
Trichlorofluoromethane	**<23.1**	ug/L	125	23.1	125		08/20/15 20:55	75-69-4	
1,2,3-Trichloropropane	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	96-18-4	
1,2,4-Trimethylbenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	95-63-6	
1,3,5-Trimethylbenzene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	108-67-8	
Vinyl chloride	**<21.9**	ug/L	125	21.9	125		08/20/15 20:55	75-01-4	
m&p-Xylene	**<125**	ug/L	250	125	125		08/20/15 20:55	179601-23-1	
o-Xylene	**<62.5**	ug/L	125	62.5	125		08/20/15 20:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		125		08/20/15 20:55	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		125		08/20/15 20:55	1868-53-7	
Toluene-d8 (S)	97	%	70-130		125		08/20/15 20:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-24 **Lab ID: 40119847006** Collected: 08/18/15 09:00 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		08/20/15 21:40	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		08/20/15 21:40	74-97-5	
Bromodichloromethane	**8.5J**	ug/L	10.0	5.0	10		08/20/15 21:40	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		08/20/15 21:40	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		08/20/15 21:40	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:40	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		08/20/15 21:40	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		08/20/15 21:40	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		08/20/15 21:40	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		08/20/15 21:40	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:40	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		08/20/15 21:40	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		08/20/15 21:40	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		08/20/15 21:40	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		08/20/15 21:40	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		08/20/15 21:40	75-35-4	
cis-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		08/20/15 21:40	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		08/20/15 21:40	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		08/20/15 21:40	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		08/20/15 21:40	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		08/20/15 21:40	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		08/20/15 21:40	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		08/20/15 21:40	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		08/20/15 21:40	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		08/20/15 21:40	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		08/20/15 21:40	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		08/20/15 21:40	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:40	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-24 **Lab ID: 40119847006** Collected: 08/18/15 09:00 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		08/20/15 21:40	79-34-5	
Tetrachloroethene	**8.0J**	ug/L	10.0	5.0	10		08/20/15 21:40	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		08/20/15 21:40	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		08/20/15 21:40	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		08/20/15 21:40	79-00-5	
Trichloroethene	**<3.3**	ug/L	10.0	3.3	10		08/20/15 21:40	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:40	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:40	75-01-4	
m&p-Xylene	**<10.0**	ug/L	20.0	10.0	10		08/20/15 21:40	179601-23-1	
o-Xylene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		10		08/20/15 21:40	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		10		08/20/15 21:40	1868-53-7	
Toluene-d8 (S)	94	%	70-130		10		08/20/15 21:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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(920)469-2436

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-25 **Lab ID: 40119847007** Collected: 08/17/15 16:35 Received: 08/19/15 15:15 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		08/20/15 22:03	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:03	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		08/20/15 22:03	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		08/20/15 22:03	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:03	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:03	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		08/20/15 22:03	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		08/20/15 22:03	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		08/20/15 22:03	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:03	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:03	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		08/20/15 22:03	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		08/20/15 22:03	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/20/15 22:03	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		08/20/15 22:03	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		08/20/15 22:03	75-35-4	
cis-1,2-Dichloroethene	**5.0**	ug/L	1.0	0.26	1		08/20/15 22:03	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/20/15 22:03	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:03	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		08/20/15 22:03	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		08/20/15 22:03	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:03	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 22:03	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		08/20/15 22:03	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:03	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		08/20/15 22:03	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		08/20/15 22:03	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:03	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-25 **Lab ID: 40119847007** Collected: 08/17/15 16:35 Received: 08/19/15 15:15 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		08/20/15 22:03	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 22:03	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:03	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		08/20/15 22:03	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		08/20/15 22:03	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:03	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	108-67-8	
Vinyl chloride	**0.93J**	ug/L	1.0	0.18	1		08/20/15 22:03	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		08/20/15 22:03	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		08/20/15 22:03	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		08/20/15 22:03	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		08/20/15 22:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-26 **Lab ID: 40119847008** Collected: 08/17/15 15:25 Received: 08/19/15 15:15 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		08/20/15 22:25	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:25	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		08/20/15 22:25	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		08/20/15 22:25	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:25	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:25	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		08/20/15 22:25	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		08/20/15 22:25	67-66-3	
Chloromethane	**1.3**	ug/L	1.0	0.50	1		08/20/15 22:25	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		08/20/15 22:25	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:25	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:25	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		08/20/15 22:25	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		08/20/15 22:25	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/20/15 22:25	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		08/20/15 22:25	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		08/20/15 22:25	75-35-4	
cis-1,2-Dichloroethene	**0.31J**	ug/L	1.0	0.26	1		08/20/15 22:25	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/20/15 22:25	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:25	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		08/20/15 22:25	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		08/20/15 22:25	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:25	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 22:25	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		08/20/15 22:25	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:25	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		08/20/15 22:25	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		08/20/15 22:25	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:25	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-26 **Lab ID: 40119847008** Collected: 08/17/15 15:25 Received: 08/19/15 15:15 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		08/20/15 22:25	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 22:25	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:25	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		08/20/15 22:25	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		08/20/15 22:25	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:25	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:25	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		08/20/15 22:25	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		08/20/15 22:25	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		08/20/15 22:25	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		08/20/15 22:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-27 **Lab ID: 40119847009** Collected: 08/17/15 14:55 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**6.6**	ug/L	1.0	0.50	1		08/20/15 19:25	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 19:25	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		08/20/15 19:25	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		08/20/15 19:25	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 19:25	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		08/20/15 19:25	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		08/20/15 19:25	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		08/20/15 19:25	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		08/20/15 19:25	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		08/20/15 19:25	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		08/20/15 19:25	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		08/20/15 19:25	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		08/20/15 19:25	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/20/15 19:25	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		08/20/15 19:25	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		08/20/15 19:25	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/20/15 19:25	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/20/15 19:25	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		08/20/15 19:25	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		08/20/15 19:25	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		08/20/15 19:25	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 19:25	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 19:25	87-68-3	
Isopropylbenzene (Cumene)	**0.28J**	ug/L	1.0	0.14	1		08/20/15 19:25	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		08/20/15 19:25	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		08/20/15 19:25	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		08/20/15 19:25	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 19:25	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-27 **Lab ID: 40119847009** Collected: 08/17/15 14:55 Received: 08/19/15 15:15 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		08/20/15 19:25	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 19:25	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 19:25	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		08/20/15 19:25	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		08/20/15 19:25	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 19:25	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	108-67-8	
Vinyl chloride	**2.6**	ug/L	1.0	0.18	1		08/20/15 19:25	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		08/20/15 19:25	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 19:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/20/15 19:25	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		08/20/15 19:25	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		08/20/15 19:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-30 **Lab ID: 40119847010** Collected: 08/18/15 14:50 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	71-43-2	
Bromobenzene	**<2.3**	ug/L	10.0	2.3	10		08/20/15 21:18	108-86-1	
Bromochloromethane	**<3.4**	ug/L	10.0	3.4	10		08/20/15 21:18	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	75-27-4	
Bromoform	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	75-25-2	
Bromomethane	**<24.3**	ug/L	50.0	24.3	10		08/20/15 21:18	74-83-9	
n-Butylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	104-51-8	
sec-Butylbenzene	**<21.9**	ug/L	50.0	21.9	10		08/20/15 21:18	135-98-8	
tert-Butylbenzene	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:18	98-06-6	
Carbon tetrachloride	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	56-23-5	
Chlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	108-90-7	
Chloroethane	**<3.7**	ug/L	10.0	3.7	10		08/20/15 21:18	75-00-3	
Chloroform	**<25.0**	ug/L	50.0	25.0	10		08/20/15 21:18	67-66-3	
Chloromethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	95-49-8	
4-Chlorotoluene	**<2.1**	ug/L	10.0	2.1	10		08/20/15 21:18	106-43-4	
1,2-Dibromo-3-chloropropane	**<21.6**	ug/L	50.0	21.6	10		08/20/15 21:18	96-12-8	
Dibromochloromethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	124-48-1	
1,2-Dibromoethane (EDB)	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:18	106-93-4	
Dibromomethane	**<4.3**	ug/L	10.0	4.3	10		08/20/15 21:18	74-95-3	
1,2-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	95-50-1	
1,3-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	541-73-1	
1,4-Dichlorobenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	106-46-7	
Dichlorodifluoromethane	**<2.2**	ug/L	10.0	2.2	10		08/20/15 21:18	75-71-8	
1,1-Dichloroethane	**<2.4**	ug/L	10.0	2.4	10		08/20/15 21:18	75-34-3	
1,2-Dichloroethane	**<1.7**	ug/L	10.0	1.7	10		08/20/15 21:18	107-06-2	
1,1-Dichloroethene	**<4.1**	ug/L	10.0	4.1	10		08/20/15 21:18	75-35-4	
cis-1,2-Dichloroethene	**243**	ug/L	10.0	2.6	10		08/20/15 21:18	156-59-2	
trans-1,2-Dichloroethene	**<2.6**	ug/L	10.0	2.6	10		08/20/15 21:18	156-60-5	
1,2-Dichloropropane	**<2.3**	ug/L	10.0	2.3	10		08/20/15 21:18	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	142-28-9	
2,2-Dichloropropane	**<4.8**	ug/L	10.0	4.8	10		08/20/15 21:18	594-20-7	
1,1-Dichloropropene	**<4.4**	ug/L	10.0	4.4	10		08/20/15 21:18	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	10061-01-5	
trans-1,3-Dichloropropene	**<2.3**	ug/L	10.0	2.3	10		08/20/15 21:18	10061-02-6	
Diisopropyl ether	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	108-20-3	
Ethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	100-41-4	
Hexachloro-1,3-butadiene	**<21.1**	ug/L	50.0	21.1	10		08/20/15 21:18	87-68-3	
Isopropylbenzene (Cumene)	**<1.4**	ug/L	10.0	1.4	10		08/20/15 21:18	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	99-87-6	
Methylene Chloride	**<2.3**	ug/L	10.0	2.3	10		08/20/15 21:18	75-09-2	
Methyl-tert-butyl ether	**<1.7**	ug/L	10.0	1.7	10		08/20/15 21:18	1634-04-4	
Naphthalene	**<25.0**	ug/L	50.0	25.0	10		08/20/15 21:18	91-20-3	
n-Propylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	103-65-1	
Styrene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:18	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-30 **Lab ID: 40119847010** Collected: 08/18/15 14:50 Received: 08/19/15 15:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<2.5**	ug/L	10.0	2.5	10		08/20/15 21:18	79-34-5	
Tetrachloroethene	**955**	ug/L	10.0	5.0	10		08/20/15 21:18	127-18-4	
Toluene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	108-88-3	
1,2,3-Trichlorobenzene	**<21.3**	ug/L	50.0	21.3	10		08/20/15 21:18	87-61-6	
1,2,4-Trichlorobenzene	**<22.1**	ug/L	50.0	22.1	10		08/20/15 21:18	120-82-1	
1,1,1-Trichloroethane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	71-55-6	
1,1,2-Trichloroethane	**<2.0**	ug/L	10.0	2.0	10		08/20/15 21:18	79-00-5	
Trichloroethene	**501**	ug/L	10.0	3.3	10		08/20/15 21:18	79-01-6	
Trichlorofluoromethane	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:18	75-69-4	
1,2,3-Trichloropropane	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	108-67-8	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10		08/20/15 21:18	75-01-4	
m&p-Xylene	**<10.0**	ug/L	20.0	10.0	10		08/20/15 21:18	179601-23-1	
o-Xylene	**<5.0**	ug/L	10.0	5.0	10		08/20/15 21:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		08/20/15 21:18	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		10		08/20/15 21:18	1868-53-7	
Toluene-d8 (S)	96	%	70-130		10		08/20/15 21:18	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: PZ-1 **Lab ID: 40119847011** Collected: 08/17/15 17:50 Received: 08/19/15 15:15 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		08/20/15 22:48	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:48	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		08/20/15 22:48	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		08/20/15 22:48	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:48	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:48	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		08/20/15 22:48	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		08/20/15 22:48	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		08/20/15 22:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:48	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:48	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		08/20/15 22:48	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		08/20/15 22:48	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/20/15 22:48	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		08/20/15 22:48	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		08/20/15 22:48	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/20/15 22:48	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/20/15 22:48	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:48	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		08/20/15 22:48	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		08/20/15 22:48	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:48	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 22:48	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		08/20/15 22:48	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		08/20/15 22:48	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		08/20/15 22:48	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		08/20/15 22:48	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:48	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: PZ-1 **Lab ID: 40119847011** Collected: 08/17/15 17:50 Received: 08/19/15 15:15 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		08/20/15 22:48	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		08/20/15 22:48	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		08/20/15 22:48	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		08/20/15 22:48	79-00-5	
Trichloroethene	**0.68J**	ug/L	1.0	0.33	1		08/20/15 22:48	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:48	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		08/20/15 22:48	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		08/20/15 22:48	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		08/20/15 22:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/20/15 22:48	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		08/20/15 22:48	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		08/20/15 22:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: PZ-2 **Lab ID: 40119847012** Collected: 08/17/15 16:00 Received: 08/19/15 15:15 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		08/21/15 14:02	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		08/21/15 14:02	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		08/21/15 14:02	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		08/21/15 14:02	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		08/21/15 14:02	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		08/21/15 14:02	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		08/21/15 14:02	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		08/21/15 14:02	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		08/21/15 14:02	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		08/21/15 14:02	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		08/21/15 14:02	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		08/21/15 14:02	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		08/21/15 14:02	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/21/15 14:02	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		08/21/15 14:02	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		08/21/15 14:02	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/21/15 14:02	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/21/15 14:02	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		08/21/15 14:02	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		08/21/15 14:02	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		08/21/15 14:02	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		08/21/15 14:02	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		08/21/15 14:02	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		08/21/15 14:02	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		08/21/15 14:02	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		08/21/15 14:02	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		08/21/15 14:02	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		08/21/15 14:02	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: PZ-2 **Lab ID: 40119847012** Collected: 08/17/15 16:00 Received: 08/19/15 15:15 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		08/21/15 14:02	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		08/21/15 14:02	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		08/21/15 14:02	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		08/21/15 14:02	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		08/21/15 14:02	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		08/21/15 14:02	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		08/21/15 14:02	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		08/21/15 14:02	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 14:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/21/15 14:02	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		08/21/15 14:02	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		08/21/15 14:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-140 **Lab ID: 40119847013** Collected: 08/18/15 10:30 Received: 08/19/15 15:15 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		08/22/15 13:16	71-43-2	
Bromobenzene	**<1.2**	ug/L	5.0	1.2	5		08/22/15 13:16	108-86-1	
Bromochloromethane	**<1.7**	ug/L	5.0	1.7	5		08/22/15 13:16	74-97-5	
Bromodichloromethane	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	75-27-4	
Bromoform	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	75-25-2	
Bromomethane	**<12.2**	ug/L	25.0	12.2	5		08/22/15 13:16	74-83-9	
n-Butylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	104-51-8	
sec-Butylbenzene	**<10.9**	ug/L	25.0	10.9	5		08/22/15 13:16	135-98-8	
tert-Butylbenzene	**<0.90**	ug/L	5.0	0.90	5		08/22/15 13:16	98-06-6	
Carbon tetrachloride	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	56-23-5	
Chlorobenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	108-90-7	
Chloroethane	**<1.9**	ug/L	5.0	1.9	5		08/22/15 13:16	75-00-3	
Chloroform	**<12.5**	ug/L	25.0	12.5	5		08/22/15 13:16	67-66-3	
Chloromethane	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	74-87-3	
2-Chlorotoluene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	95-49-8	
4-Chlorotoluene	**<1.1**	ug/L	5.0	1.1	5		08/22/15 13:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<10.8**	ug/L	25.0	10.8	5		08/22/15 13:16	96-12-8	
Dibromochloromethane	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	124-48-1	
1,2-Dibromoethane (EDB)	**<0.89**	ug/L	5.0	0.89	5		08/22/15 13:16	106-93-4	
Dibromomethane	**<2.1**	ug/L	5.0	2.1	5		08/22/15 13:16	74-95-3	
1,2-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	95-50-1	
1,3-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	541-73-1	
1,4-Dichlorobenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	106-46-7	
Dichlorodifluoromethane	**<1.1**	ug/L	5.0	1.1	5		08/22/15 13:16	75-71-8	
1,1-Dichloroethane	**<1.2**	ug/L	5.0	1.2	5		08/22/15 13:16	75-34-3	
1,2-Dichloroethane	**<0.84**	ug/L	5.0	0.84	5		08/22/15 13:16	107-06-2	
1,1-Dichloroethene	**<2.1**	ug/L	5.0	2.1	5		08/22/15 13:16	75-35-4	
cis-1,2-Dichloroethene	**455**	ug/L	5.0	1.3	5		08/22/15 13:16	156-59-2	
trans-1,2-Dichloroethene	**3.0J**	ug/L	5.0	1.3	5		08/22/15 13:16	156-60-5	
1,2-Dichloropropane	**<1.2**	ug/L	5.0	1.2	5		08/22/15 13:16	78-87-5	
1,3-Dichloropropane	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	142-28-9	
2,2-Dichloropropane	**<2.4**	ug/L	5.0	2.4	5		08/22/15 13:16	594-20-7	
1,1-Dichloropropene	**<2.2**	ug/L	5.0	2.2	5		08/22/15 13:16	563-58-6	
cis-1,3-Dichloropropene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	10061-01-5	
trans-1,3-Dichloropropene	**<1.1**	ug/L	5.0	1.1	5		08/22/15 13:16	10061-02-6	
Diisopropyl ether	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	108-20-3	
Ethylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	100-41-4	
Hexachloro-1,3-butadiene	**<10.5**	ug/L	25.0	10.5	5		08/22/15 13:16	87-68-3	
Isopropylbenzene (Cumene)	**<0.72**	ug/L	5.0	0.72	5		08/22/15 13:16	98-82-8	
p-Isopropyltoluene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	99-87-6	
Methylene Chloride	**<1.2**	ug/L	5.0	1.2	5		08/22/15 13:16	75-09-2	
Methyl-tert-butyl ether	**<0.87**	ug/L	5.0	0.87	5		08/22/15 13:16	1634-04-4	
Naphthalene	**<12.5**	ug/L	25.0	12.5	5		08/22/15 13:16	91-20-3	
n-Propylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	103-65-1	
Styrene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.90**	ug/L	5.0	0.90	5		08/22/15 13:16	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: MW-140 **Lab ID: 40119847013** Collected: 08/18/15 10:30 Received: 08/19/15 15:15 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		08/22/15 13:16	79-34-5	
Tetrachloroethene	**551**	ug/L	5.0	2.5	5		08/22/15 13:16	127-18-4	
Toluene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	108-88-3	
1,2,3-Trichlorobenzene	**<10.7**	ug/L	25.0	10.7	5		08/22/15 13:16	87-61-6	
1,2,4-Trichlorobenzene	**<11.0**	ug/L	25.0	11.0	5		08/22/15 13:16	120-82-1	
1,1,1-Trichloroethane	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	71-55-6	
1,1,2-Trichloroethane	**<0.99**	ug/L	5.0	0.99	5		08/22/15 13:16	79-00-5	
Trichloroethene	**431**	ug/L	5.0	1.7	5		08/22/15 13:16	79-01-6	
Trichlorofluoromethane	**<0.92**	ug/L	5.0	0.92	5		08/22/15 13:16	75-69-4	
1,2,3-Trichloropropane	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	96-18-4	
1,2,4-Trimethylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	95-63-6	
1,3,5-Trimethylbenzene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	108-67-8	
Vinyl chloride	**26.5**	ug/L	5.0	0.88	5		08/22/15 13:16	75-01-4	
m&p-Xylene	**<5.0**	ug/L	10.0	5.0	5		08/22/15 13:16	179601-23-1	
o-Xylene	**<2.5**	ug/L	5.0	2.5	5		08/22/15 13:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		5		08/22/15 13:16	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		5		08/22/15 13:16	1868-53-7	
Toluene-d8 (S)	95	%	70-130		5		08/22/15 13:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: TRI PBLANK **Lab ID: 40119847014** Collected: 08/18/15 00:00 Received: 08/19/15 15:15 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		08/21/15 11:47	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		08/21/15 11:47	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		08/21/15 11:47	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		08/21/15 11:47	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		08/21/15 11:47	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		08/21/15 11:47	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		08/21/15 11:47	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		08/21/15 11:47	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		08/21/15 11:47	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		08/21/15 11:47	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		08/21/15 11:47	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		08/21/15 11:47	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	106-46-7	
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		08/21/15 11:47	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		08/21/15 11:47	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		08/21/15 11:47	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		08/21/15 11:47	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/21/15 11:47	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		08/21/15 11:47	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		08/21/15 11:47	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		08/21/15 11:47	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		08/21/15 11:47	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		08/21/15 11:47	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		08/21/15 11:47	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		08/21/15 11:47	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	99-87-6	
Methylene Chloride	**0.23J**	ug/L	1.0	0.23	1		08/21/15 11:47	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		08/21/15 11:47	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		08/21/15 11:47	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		08/21/15 11:47	630-20-6	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 133200 ARCADIA
Pace Project No.: 40119847

Sample: TRI PBLANK **Lab ID: 40119847014** Collected: 08/18/15 00:00 Received: 08/19/15 15:15 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		08/21/15 11:47	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		08/21/15 11:47	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		08/21/15 11:47	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		08/21/15 11:47	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		08/21/15 11:47	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		08/21/15 11:47	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		08/21/15 11:47	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		08/21/15 11:47	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		08/21/15 11:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		08/21/15 11:47	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		08/21/15 11:47	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/21/15 11:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119847

QC Batch: MSV/29869 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40119847001, 40119847002, 40119847003, 40119847004, 40119847005, 40119847006, 40119847007, 40119847008, 40119847009, 40119847010, 40119847011

METHOD BLANK: 1208798 Matrix: Water
Associated Lab Samples: 40119847001, 40119847002, 40119847003, 40119847004, 40119847005, 40119847006, 40119847007, 40119847008, 40119847009, 40119847010, 40119847011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/20/15 07:11	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/20/15 07:11	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/20/15 07:11	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/20/15 07:11	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/20/15 07:11	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/20/15 07:11	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/20/15 07:11	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/20/15 07:11	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/20/15 07:11	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/20/15 07:11	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/20/15 07:11	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/20/15 07:11	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/20/15 07:11	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/20/15 07:11	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/20/15 07:11	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/20/15 07:11	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/20/15 07:11	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/20/15 07:11	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/20/15 07:11	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/20/15 07:11	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/20/15 07:11	
2-Chlorotoluene	ug/L	<0.50	1.0	08/20/15 07:11	
4-Chlorotoluene	ug/L	<0.21	1.0	08/20/15 07:11	
Benzene	ug/L	<0.50	1.0	08/20/15 07:11	
Bromobenzene	ug/L	<0.23	1.0	08/20/15 07:11	
Bromochloromethane	ug/L	<0.34	1.0	08/20/15 07:11	
Bromodichloromethane	ug/L	<0.50	1.0	08/20/15 07:11	
Bromoform	ug/L	<0.50	1.0	08/20/15 07:11	
Bromomethane	ug/L	<2.4	5.0	08/20/15 07:11	
Carbon tetrachloride	ug/L	<0.50	1.0	08/20/15 07:11	
Chlorobenzene	ug/L	<0.50	1.0	08/20/15 07:11	
Chloroethane	ug/L	<0.37	1.0	08/20/15 07:11	
Chloroform	ug/L	<2.5	5.0	08/20/15 07:11	
Chloromethane	ug/L	<0.50	1.0	08/20/15 07:11	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/20/15 07:11	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/20/15 07:11	
Dibromochloromethane	ug/L	<0.50	1.0	08/20/15 07:11	
Dibromomethane	ug/L	<0.43	1.0	08/20/15 07:11	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/20/15 07:11	
Diisopropyl ether	ug/L	<0.50	1.0	08/20/15 07:11	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119847

METHOD BLANK: 1208798 Matrix: Water

Associated Lab Samples: 40119847001, 40119847002, 40119847003, 40119847004, 40119847005, 40119847006, 40119847007, 40119847008, 40119847009, 40119847010, 40119847011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	08/20/15 07:11	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/20/15 07:11	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/20/15 07:11	
m&p-Xylene	ug/L	<1.0	2.0	08/20/15 07:11	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/20/15 07:11	
Methylene Chloride	ug/L	<0.23	1.0	08/20/15 07:11	
n-Butylbenzene	ug/L	<0.50	1.0	08/20/15 07:11	
n-Propylbenzene	ug/L	<0.50	1.0	08/20/15 07:11	
Naphthalene	ug/L	<2.5	5.0	08/20/15 07:11	
o-Xylene	ug/L	<0.50	1.0	08/20/15 07:11	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/20/15 07:11	
sec-Butylbenzene	ug/L	<2.2	5.0	08/20/15 07:11	
Styrene	ug/L	<0.50	1.0	08/20/15 07:11	
tert-Butylbenzene	ug/L	<0.18	1.0	08/20/15 07:11	
Tetrachloroethene	ug/L	<0.50	1.0	08/20/15 07:11	
Toluene	ug/L	<0.50	1.0	08/20/15 07:11	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	08/20/15 07:11	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/20/15 07:11	
Trichloroethene	ug/L	<0.33	1.0	08/20/15 07:11	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/20/15 07:11	
Vinyl chloride	ug/L	<0.18	1.0	08/20/15 07:11	
4-Bromofluorobenzene (S)	%	99	70-130	08/20/15 07:11	
Dibromofluoromethane (S)	%	99	70-130	08/20/15 07:11	
Toluene-d8 (S)	%	98	70-130	08/20/15 07:11	

LABORATORY CONTROL SAMPLE & LCSD: 1208799 1208800

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.1	47.1	90	94	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	50	45.2	48.4	90	97	70-130	7	20	
1,1,2-Trichloroethane	ug/L	50	49.5	50.6	99	101	70-130	2	20	
1,1-Dichloroethane	ug/L	50	47.8	49.2	96	98	70-130	3	20	
1,1-Dichloroethene	ug/L	50	47.5	48.1	95	96	70-130	1	20	
1,2,4-Trichlorobenzene	ug/L	50	47.9	51.6	96	103	70-130	7	20	
1,2-Dibromo-3-chloropropane	ug/L	50	35.6	38.9	71	78	50-150	9	20	
1,2-Dibromoethane (EDB)	ug/L	50	46.6	47.4	93	95	70-130	2	20	
1,2-Dichlorobenzene	ug/L	50	47.4	50.3	95	101	70-130	6	20	
1,2-Dichloroethane	ug/L	50	46.9	47.5	94	95	70-131	1	20	
1,2-Dichloropropane	ug/L	50	53.0	53.7	106	107	70-130	1	20	
1,3-Dichlorobenzene	ug/L	50	46.9	48.3	94	97	70-130	3	20	
1,4-Dichlorobenzene	ug/L	50	48.0	49.2	96	98	70-130	2	20	
Benzene	ug/L	50	48.5	49.6	97	99	70-130	2	20	
Bromodichloromethane	ug/L	50	46.7	50.2	93	100	70-130	7	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119847

LABORATORY CONTROL SAMPLE & LCSD: 1208799 1208800

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Bromoform	ug/L	50	38.7	40.6	77	81	68-130	5	20	
Bromomethane	ug/L	50	51.2	55.9	102	112	38-137	9	20	
Carbon tetrachloride	ug/L	50	46.6	48.8	93	98	70-130	5	20	
Chlorobenzene	ug/L	50	50.0	50.4	100	101	70-130	1	20	
Chloroethane	ug/L	50	48.5	48.9	97	98	70-136	1	20	
Chloroform	ug/L	50	46.4	47.4	93	95	70-130	2	20	
Chloromethane	ug/L	50	44.7	45.7	89	91	48-144	2	20	
cis-1,2-Dichloroethene	ug/L	50	46.0	47.1	92	94	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	50	43.3	45.2	87	90	70-130	4	20	
Dibromochloromethane	ug/L	50	44.8	46.5	90	93	70-130	4	20	
Dichlorodifluoromethane	ug/L	50	38.7	39.3	77	79	33-157	1	20	
Ethylbenzene	ug/L	50	50.4	51.1	101	102	70-132	1	20	
Isopropylbenzene (Cumene)	ug/L	50	51.4	52.6	103	105	70-130	2	20	
m&p-Xylene	ug/L	100	102	104	102	104	70-131	2	20	
Methyl-tert-butyl ether	ug/L	50	37.5	39.1	75	78	48-141	4	20	
Methylene Chloride	ug/L	50	45.5	47.1	91	94	70-130	3	20	
o-Xylene	ug/L	50	50.0	50.4	100	101	70-131	1	20	
Styrene	ug/L	50	50.2	50.9	100	102	70-130	1	20	
Tetrachloroethene	ug/L	50	52.2	52.8	104	106	70-130	1	20	
Toluene	ug/L	50	51.2	51.9	102	104	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	50	48.3	49.6	97	99	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	50	41.3	43.0	83	86	70-130	4	20	
Trichloroethene	ug/L	50	49.7	52.4	99	105	70-130	5	20	
Trichlorofluoromethane	ug/L	50	50.2	51.9	100	104	50-150	3	20	
Vinyl chloride	ug/L	50	47.3	48.3	95	97	65-142	2	20	
4-Bromofluorobenzene (S)	%				100	100	70-130			
Dibromofluoromethane (S)	%				97	97	70-130			
Toluene-d8 (S)	%				101	101	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1208830 1208831

Parameter	Units	40119847004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	45.4	47.1	91	94	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	46.4	46.2	93	92	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	48.0	48.1	96	96	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	48.1	49.2	96	98	70-134	2	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	48.2	45.9	96	92	70-139	5	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	49.7	49.8	99	99	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	37.6	38.3	75	77	50-150	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	46.0	46.0	92	92	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	47.9	48.4	96	97	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	45.9	47.5	92	95	70-132	3	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	52.8	52.7	106	105	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119847

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1208830 1208831

Parameter	Units	40119847004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,3-Dichlorobenzene	ug/L	<0.50	50	50	46.8	47.5	94	95	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.8	47.5	96	95	70-130	1	20	
Benzene	ug/L	<0.50	50	50	48.8	49.2	98	98	70-130	1	20	
Bromodichloromethane	ug/L	<0.50	50	50	48.9	48.0	98	96	70-132	2	20	
Bromoform	ug/L	<0.50	50	50	39.0	37.0	78	74	68-130	5	20	
Bromomethane	ug/L	<2.4	50	50	55.5	56.3	111	113	38-141	1	20	
Carbon tetrachloride	ug/L	<0.50	50	50	47.5	48.9	95	98	70-130	3	20	
Chlorobenzene	ug/L	<0.50	50	50	49.4	49.9	99	100	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	48.1	48.8	96	98	66-152	1	20	
Chloroform	ug/L	<2.5	50	50	46.6	48.2	93	96	70-130	4	20	
Chloromethane	ug/L	<0.50	50	50	43.0	44.0	85	87	44-151	2	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	45.9	47.0	92	94	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	43.6	43.1	87	86	70-130	1	20	
Dibromochloromethane	ug/L	<0.50	50	50	44.6	44.0	89	88	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	35.3	34.0	71	68	29-160	4	20	
Ethylbenzene	ug/L	<0.50	50	50	49.8	48.6	100	97	70-132	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	50.4	49.7	101	99	70-130	2	20	
m&p-Xylene	ug/L	<1.0	100	100	100	92.4	100	92	70-131	8	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	37.1	37.9	74	76	48-143	2	20	
Methylene Chloride	ug/L	<0.23	50	50	46.0	46.2	92	92	70-130	1	20	
o-Xylene	ug/L	<0.50	50	50	48.9	46.0	98	92	70-131	6	20	
Styrene	ug/L	<0.50	50	50	47.0	27.4	94	55	70-130	53	20	M1,R1
Tetrachloroethene	ug/L	<0.50	50	50	50.3	51.5	101	103	70-130	2	20	
Toluene	ug/L	<0.50	50	50	50.6	49.6	101	99	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	48.7	49.5	97	99	70-132	2	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	41.1	39.6	82	79	70-130	4	20	
Trichloroethene	ug/L	<0.33	50	50	50.8	50.3	102	101	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	49.4	49.8	99	100	50-153	1	20	
Vinyl chloride	ug/L	<0.18	50	50	47.4	45.4	95	91	60-155	4	20	
4-Bromofluorobenzene (S)	%						99	97	70-130			
Dibromofluoromethane (S)	%						99	97	70-130			
Toluene-d8 (S)	%						99	97	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119847

QC Batch: MSV/29879 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40119847012, 40119847013, 40119847014

METHOD BLANK: 1209362 Matrix: Water
Associated Lab Samples: 40119847012, 40119847013, 40119847014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/21/15 09:10	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/21/15 09:10	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/21/15 09:10	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/21/15 09:10	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/21/15 09:10	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/21/15 09:10	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/21/15 09:10	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/21/15 09:10	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/21/15 09:10	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/21/15 09:10	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/21/15 09:10	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/21/15 09:10	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/21/15 09:10	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/21/15 09:10	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/21/15 09:10	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/21/15 09:10	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/21/15 09:10	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/21/15 09:10	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/21/15 09:10	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/21/15 09:10	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/21/15 09:10	
2-Chlorotoluene	ug/L	<0.50	1.0	08/21/15 09:10	
4-Chlorotoluene	ug/L	<0.21	1.0	08/21/15 09:10	
Benzene	ug/L	<0.50	1.0	08/21/15 09:10	
Bromobenzene	ug/L	<0.23	1.0	08/21/15 09:10	
Bromochloromethane	ug/L	<0.34	1.0	08/21/15 09:10	
Bromodichloromethane	ug/L	<0.50	1.0	08/21/15 09:10	
Bromoform	ug/L	<0.50	1.0	08/21/15 09:10	
Bromomethane	ug/L	<2.4	5.0	08/21/15 09:10	
Carbon tetrachloride	ug/L	<0.50	1.0	08/21/15 09:10	
Chlorobenzene	ug/L	<0.50	1.0	08/21/15 09:10	
Chloroethane	ug/L	<0.37	1.0	08/21/15 09:10	
Chloroform	ug/L	<2.5	5.0	08/21/15 09:10	
Chloromethane	ug/L	<0.50	1.0	08/21/15 09:10	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/21/15 09:10	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/21/15 09:10	
Dibromochloromethane	ug/L	<0.50	1.0	08/21/15 09:10	
Dibromomethane	ug/L	<0.43	1.0	08/21/15 09:10	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/21/15 09:10	
Diisopropyl ether	ug/L	<0.50	1.0	08/21/15 09:10	
Ethylbenzene	ug/L	<0.50	1.0	08/21/15 09:10	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119847

METHOD BLANK: 1209362 Matrix: Water
Associated Lab Samples: 40119847012, 40119847013, 40119847014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/21/15 09:10	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/21/15 09:10	
m&p-Xylene	ug/L	<1.0	2.0	08/21/15 09:10	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/21/15 09:10	
Methylene Chloride	ug/L	<0.23	1.0	08/21/15 09:10	
n-Butylbenzene	ug/L	<0.50	1.0	08/21/15 09:10	
n-Propylbenzene	ug/L	<0.50	1.0	08/21/15 09:10	
Naphthalene	ug/L	<2.5	5.0	08/21/15 09:10	
o-Xylene	ug/L	<0.50	1.0	08/21/15 09:10	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/21/15 09:10	
sec-Butylbenzene	ug/L	<2.2	5.0	08/21/15 09:10	
Styrene	ug/L	<0.50	1.0	08/21/15 09:10	
tert-Butylbenzene	ug/L	<0.18	1.0	08/21/15 09:10	
Tetrachloroethene	ug/L	<0.50	1.0	08/21/15 09:10	
Toluene	ug/L	<0.50	1.0	08/21/15 09:10	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	08/21/15 09:10	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/21/15 09:10	
Trichloroethene	ug/L	<0.33	1.0	08/21/15 09:10	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/21/15 09:10	
Vinyl chloride	ug/L	<0.18	1.0	08/21/15 09:10	
4-Bromofluorobenzene (S)	%	100	70-130	08/21/15 09:10	
Dibromofluoromethane (S)	%	104	70-130	08/21/15 09:10	
Toluene-d8 (S)	%	99	70-130	08/21/15 09:10	

LABORATORY CONTROL SAMPLE & LCSD: 1209363 1209364

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.3	46.1	91	92	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	50	42.7	43.1	85	86	70-130	1	20	
1,1,2-Trichloroethane	ug/L	50	46.2	45.8	92	92	70-130	1	20	
1,1-Dichloroethane	ug/L	50	46.1	47.4	92	95	70-130	3	20	
1,1-Dichloroethene	ug/L	50	44.5	45.8	89	92	70-130	3	20	
1,2,4-Trichlorobenzene	ug/L	50	45.7	47.6	91	95	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	50	37.4	37.5	75	75	50-150	0	20	
1,2-Dibromoethane (EDB)	ug/L	50	44.8	44.4	90	89	70-130	1	20	
1,2-Dichlorobenzene	ug/L	50	45.0	46.8	90	94	70-130	4	20	
1,2-Dichloroethane	ug/L	50	45.8	46.2	92	92	70-131	1	20	
1,2-Dichloropropane	ug/L	50	50.9	50.3	102	101	70-130	1	20	
1,3-Dichlorobenzene	ug/L	50	43.2	45.5	86	91	70-130	5	20	
1,4-Dichlorobenzene	ug/L	50	44.8	45.8	90	92	70-130	2	20	
Benzene	ug/L	50	45.5	46.7	91	93	70-130	2	20	
Bromodichloromethane	ug/L	50	47.7	47.6	95	95	70-130	0	20	
Bromoform	ug/L	50	38.3	38.6	77	77	68-130	1	20	
Bromomethane	ug/L	50	46.8	54.6	94	109	38-137	15	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119847

LABORATORY CONTROL SAMPLE & LCSD: 1209363 1209364

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/L	50	47.5	48.8	95	98	70-130	3	20	
Chlorobenzene	ug/L	50	47.7	48.1	95	96	70-130	1	20	
Chloroethane	ug/L	50	46.1	46.9	92	94	70-136	2	20	
Chloroform	ug/L	50	45.6	46.2	91	92	70-130	1	20	
Chloromethane	ug/L	50	45.6	48.3	91	97	48-144	6	20	
cis-1,2-Dichloroethene	ug/L	50	43.6	44.3	87	89	70-130	2	20	
cis-1,3-Dichloropropene	ug/L	50	43.0	41.8	86	84	70-130	3	20	
Dibromochloromethane	ug/L	50	43.4	44.3	87	89	70-130	2	20	
Dichlorodifluoromethane	ug/L	50	46.0	47.2	92	94	33-157	3	20	
Ethylbenzene	ug/L	50	47.3	48.5	95	97	70-132	3	20	
Isopropylbenzene (Cumene)	ug/L	50	48.2	49.6	96	99	70-130	3	20	
m&p-Xylene	ug/L	100	95.4	97.9	95	98	70-131	3	20	
Methyl-tert-butyl ether	ug/L	50	37.8	38.1	76	76	48-141	1	20	
Methylene Chloride	ug/L	50	43.1	44.3	86	89	70-130	3	20	
o-Xylene	ug/L	50	47.3	47.7	95	95	70-131	1	20	
Styrene	ug/L	50	47.9	48.1	96	96	70-130	0	20	
Tetrachloroethene	ug/L	50	50.0	49.6	100	99	70-130	1	20	
Toluene	ug/L	50	47.8	49.4	96	99	70-130	3	20	
trans-1,2-Dichloroethene	ug/L	50	46.3	47.9	93	96	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	50	40.4	40.9	81	82	70-130	1	20	
Trichloroethene	ug/L	50	48.2	49.3	96	99	70-130	2	20	
Trichlorofluoromethane	ug/L	50	50.9	51.4	102	103	50-150	1	20	
Vinyl chloride	ug/L	50	46.7	48.8	93	98	65-142	4	20	
4-Bromofluorobenzene (S)	%				102	102	70-130			
Dibromofluoromethane (S)	%				98	99	70-130			
Toluene-d8 (S)	%				100	100	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1209435 1209436

Parameter	Units	40119873002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.50	50	50	47.6	46.3	95	93	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	44.5	45.1	89	90	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	47.8	47.4	96	95	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	48.5	47.2	97	94	70-134	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	47.4	45.2	95	90	70-139	5	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	49.1	48.3	98	97	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	36.7	35.9	73	72	50-150	2	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	46.3	45.1	93	90	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	47.8	46.7	96	93	70-130	2	20	
1,2-Dichloroethane	ug/L	0.30J	50	50	48.1	47.2	96	94	70-132	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	52.7	51.5	105	103	70-130	2	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	46.2	45.9	92	92	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.3	46.6	95	93	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 133200 ARCADIA
Pace Project No.: 40119847

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1209435 1209436

Parameter	Units	40119873002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.50	50	50	49.2	47.7	98	95	70-130	3	20	
Bromodichloromethane	ug/L	<0.50	50	50	49.4	47.7	99	95	70-132	3	20	
Bromoform	ug/L	<0.50	50	50	39.3	37.6	79	75	68-130	4	20	
Bromomethane	ug/L	<2.4	50	50	54.3	56.1	109	112	38-141	3	20	
Carbon tetrachloride	ug/L	<0.50	50	50	50.2	47.1	100	94	70-130	6	20	
Chlorobenzene	ug/L	<0.50	50	50	49.3	48.9	99	98	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	47.0	48.4	94	97	66-152	3	20	
Chloroform	ug/L	<2.5	50	50	48.0	45.6	96	91	70-130	5	20	
Chloromethane	ug/L	<0.50	50	50	45.4	45.6	90	90	44-151	1	20	
cis-1,2-Dichloroethene	ug/L	1.3	50	50	49.1	46.4	96	90	70-130	6	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	43.9	40.9	88	82	70-130	7	20	
Dibromochloromethane	ug/L	<0.50	50	50	46.2	43.1	92	86	70-130	7	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	43.9	43.0	88	86	29-160	2	20	
Ethylbenzene	ug/L	<0.50	50	50	50.0	48.8	100	98	70-132	2	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	50.5	49.0	101	98	70-130	3	20	
m&p-Xylene	ug/L	<1.0	100	100	99.0	96.4	99	96	70-131	3	20	
Methyl-tert-butyl ether	ug/L	1.8	50	50	39.9	40.4	76	77	48-143	1	20	
Methylene Chloride	ug/L	<0.23	50	50	45.4	44.1	91	88	70-130	3	20	
o-Xylene	ug/L	<0.50	50	50	48.4	46.8	97	94	70-131	3	20	
Styrene	ug/L	<0.50	50	50	44.3	40.4	89	81	70-130	9	20	
Tetrachloroethene	ug/L	0.89J	50	50	51.9	50.9	102	100	70-130	2	20	
Toluene	ug/L	<0.50	50	50	50.0	49.0	100	98	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	50.1	48.4	100	97	70-132	3	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	41.4	38.5	83	77	70-130	7	20	
Trichloroethene	ug/L	0.42J	50	50	51.5	48.5	102	96	70-130	6	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	53.1	50.4	106	101	50-153	5	20	
Vinyl chloride	ug/L	<0.18	50	50	47.2	47.0	94	94	60-155	0	20	
4-Bromofluorobenzene (S)	%						101	101	70-130			
Dibromofluoromethane (S)	%						102	99	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: 133200 ARCADIA
Pace Project No.: 40119847

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 133200 ARCADIA
Pace Project No.: 40119847

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40119847001	**MW-14**	EPA 8260	MSV/29869		
40119847002	**MW-15**	EPA 8260	MSV/29869		
40119847003	**MW-21**	EPA 8260	MSV/29869		
40119847004	**MW-22**	EPA 8260	MSV/29869		
40119847005	**MW-23**	EPA 8260	MSV/29869		
40119847006	**MW-24**	EPA 8260	MSV/29869		
40119847007	**MW-25**	EPA 8260	MSV/29869		
40119847008	**MW-26**	EPA 8260	MSV/29869		
40119847009	**MW-27**	EPA 8260	MSV/29869		
40119847010	**MW-30**	EPA 8260	MSV/29869		
40119847011	**PZ-1**	EPA 8260	MSV/29869		
40119847012	**PZ-2**	EPA 8260	MSV/29879		
40119847013	**MW-140**	EPA 8260	MSV/29879		
40119847014	**TRI PBLANK**	EPA 8260	MSV/29879		

Pace Analytical®
www.pacelabs.com

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

Page 1 of

40119847

CHAIN OF CUSTODY

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

(Please Print Clearly)	
Company Name:	CB&I
Branch/Location:	WI
Project Contact:	Heidi Woelfel
Phone:	414-687-3313
Project Number:	133200
Project Name:	Arcadia
Project State:	WI
Sampled By (Print):	Jared Schmidt
Sampled By (Sign):	
PO #:	Regulatory Program:

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

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-14	8/18/15	0940	GW		N / B	X		3-40mlVB	
002	MW-15	8/18/15	1015	GW			X			
003	MW-21	8/17/15	1715	GW			X			
004	MW-22	8/18/15	0810	GW			X			
005	MW-23	8/18/15	1045	GW			X			
006	MW-24	8/18/15	0900	GW			X			
007	MW-25	8/17/15	1635	GW			X			
008	MW-26	8/17/15	1525	GW			X			
009	MW-27	8/17/15	1455	GW			X			
010	MW-30	8/18/15	1450	GW			X			
011	PZ-1	8/17/15	1750	GW			X			
012	PZ-2	8/17/15	1600	GW			X			
013	MW-140	8/18/15	1030	GW			X			
014	TRIP BLANK	8/18/15					X		2-40mlVB	

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

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

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

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
	8/19/15 0800	Melissa Verema	8-19-15 1025
Melissa Verema	8-19-15 1515	Mari McKay	8-19-15 1515

PACE Project No.: 40119847

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal: Present / Not Present; Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Sample Condition Upon Receipt

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

Project #: **WO# : 40119847**

40119847

Client Name: CB+T

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: 7.01 /Corr: _____ **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: 8-19-15
Initials: mm.

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☑Yes	☐No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	14.
Trip Blank Present:	☑Yes	☐No	☐N/A	15.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): Covered with sample label. mm 8-19-15				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: returned 3 40ml vials mm.8-19-15

Project Manager Review: _____ **Date:** 8-19-15

Appendix B
Summeraire Exchange System

Slaby Electric LLC
1470 E. Wilson Avenue
P.O. Box 83
Arcadia, WI 54612
608 323-3241

December 9, 2015

State Bank of Arcadia
131 W. Main Street
Arcadia WI 54612

RE: 127 W. Main Street Arcadia, WI

A Summeraire air exchanger was installed October 1, 2008

Model #8.SHRV130RD
Serial #HV06054

Last date of service 11/30/2015 (SEE ATTACHED COPY)

A unit brochure is attached.

Any question please call.

Thank you,
Slaby Electric LLC

Slaby Electric, LLC
1470 East Wilson
PO Box 83
Arcadia, WI 54612

Invoice

Invoice #
8999

Bill To

Westland Insurance
127 W. Main Street
Arcadia, WI 54612

Date	11/30/2015

P.O. Number	Phone #	Fax #
HRV	6083233241	608-323-3241

Description	Quantity	Price Each	Amount
01-04-022 spigot assembly	1	31.29	31.29T
SERVICE CALL (Includes 1 man 1 hour labor)	1	65.00	65.00T
Rick Labor	0.75	50.00	37.50T

Terms	30 days

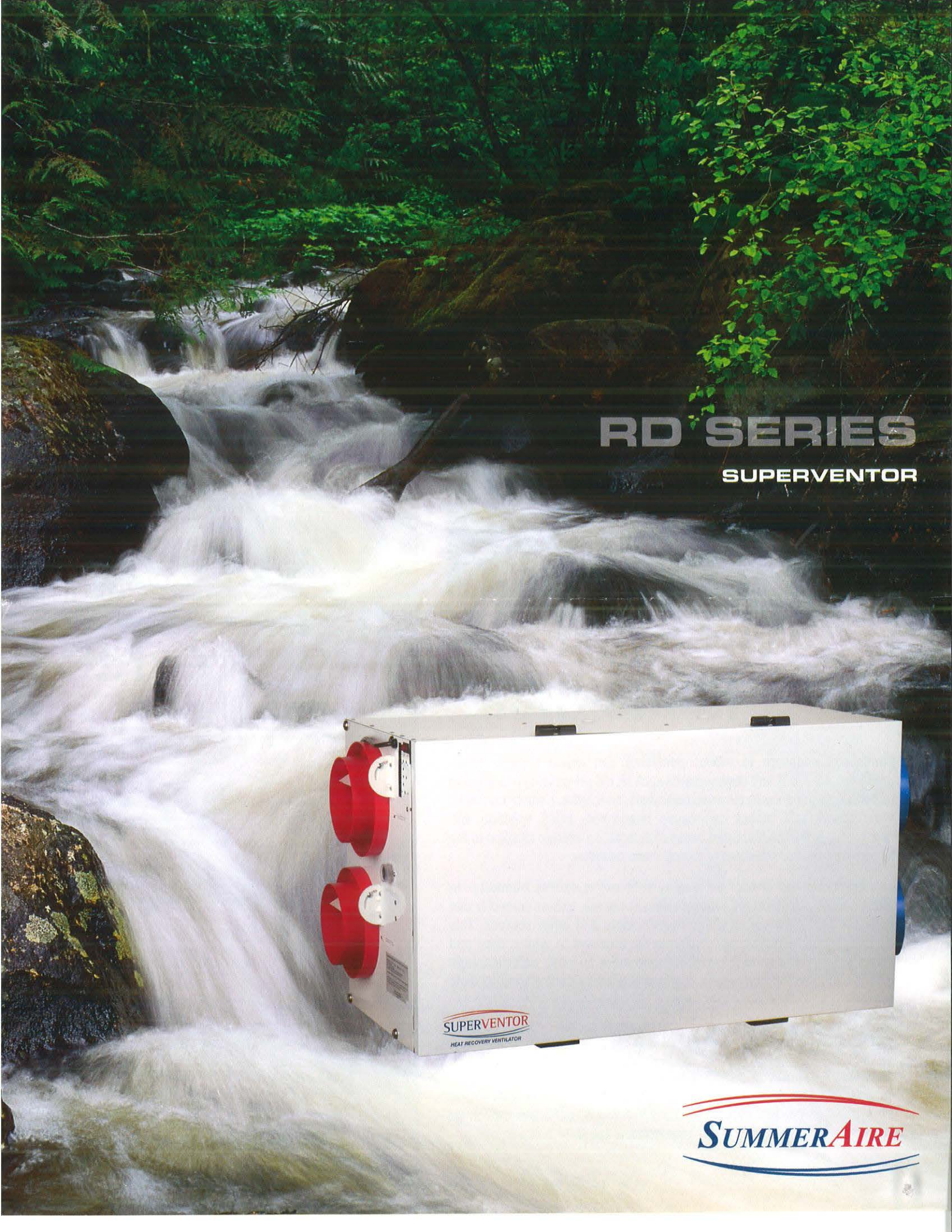
Sales Tax (5.5%)	$7.36

Balance Due	$141.15

Thank you for your business.

RD SERIES

SUPERVENTOR



SUMMERAIRE

Window Condensation Can Cause

Severe Damage

Is your family

Home-Sick?

Continuous exposure to indoor pollutants can cause serious health problems. Allergens and contaminants such as the off-gassing of carpeting materials, formaldehyde, cleaning chemicals, dust mites, carbon monoxide, mold spores and others can cause headaches, sinus irritation and respiratory problems. Reported cases of asthma, an allergic reaction to the air we breathe have doubled in the past two decades.

The most common indoor air quality problem is excess humidity. In today's tightly constructed energy efficient homes, excess humidity can build up from showers, cooking, house plants and other sources. This excess indoor humidity can condense on windows in winter time and cause severe damage to the windows and other building materials. High indoor humidity can also cause health problems by contributing to mold growth.

The Fresh Air Solution

Mechanical ventilation provided by a fresh air exchange system can solve these IAQ problems. A Summeraire HRV can save your home from damage caused by excess indoor humidity, eliminate indoor air pollutants and odors, and make your home a healthier place to live.

OPTIONAL CONTROLS

CENTRAL CONTROLS

WATCHMAN

SENTINEL II

SCOUT

TIMER CONTROLS

REMOTE TIMER CONTROLS

(Available in White, Ivory and Almond)

REMOTE DEHUMIDISTAT

ACCESSORIES

EXHAUST AND INTAKE HOOD

(Available in White and Brown)

The Summeraire Solution

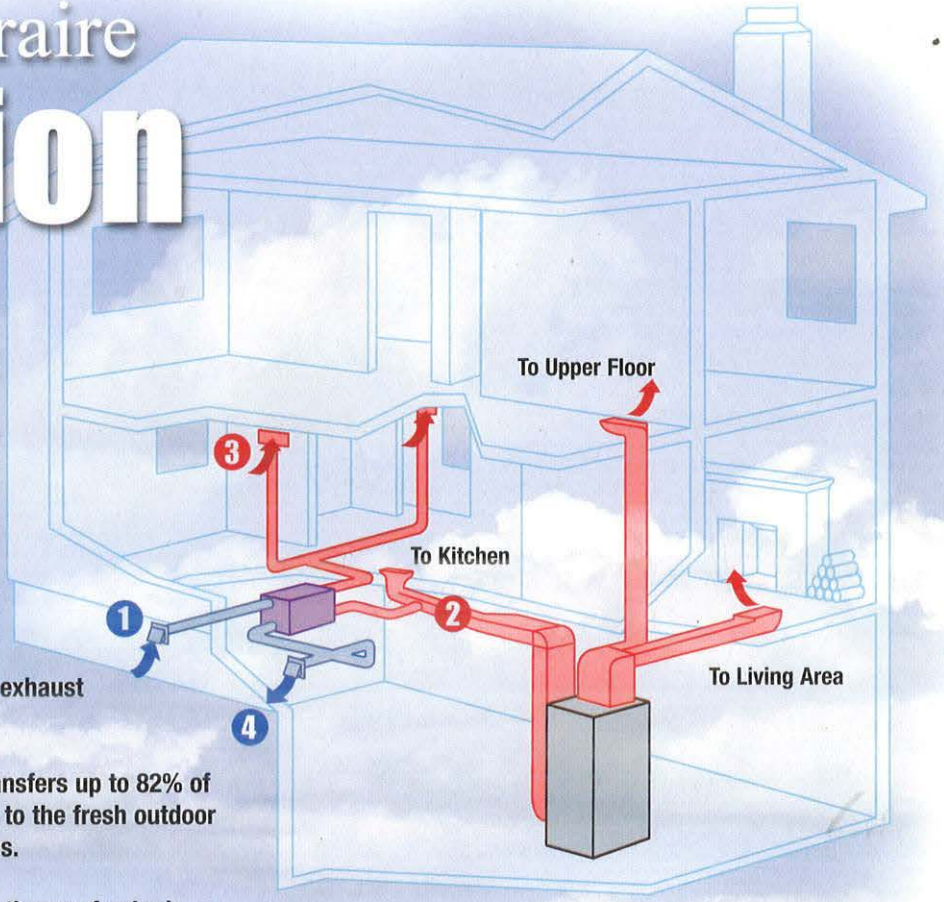
Summeraire HRV's will do the following:

1 Draw fresh outdoor air into your home through ductwork connected to a venthood on the outside of your home, filter this air and distribute it throughout your house, typically through the furnace ductwork.

2 Draw stale indoor air from throughout your home and exhaust it through ductwork connected to an exhaust hood on the outside of your home.

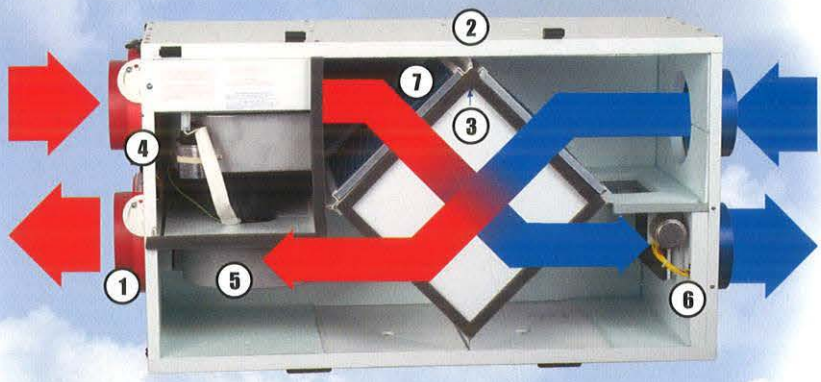
3 The heat recovery core in the HRV transfers up to 82% of the energy from the stale exhaust air to the fresh outdoor air without mixing the two air streams.

4 The HRV can run at low speed for continuous fresh air ventilation, and will automatically switch to high speed to control excess humidity and other indoor air pollutants.

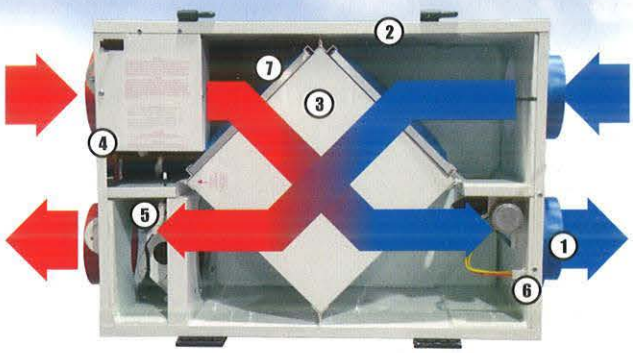


Give your family constant fresh air without wasting costly heating or cooling dollars...

1. Color coded collars easily identify intake and exhaust ports.
2. Attractive prefinished insulated cabinet: Provides structural strength and quiet operation.
3. High efficiency coroplast core: Provides one of the best transfer rates in the industry up to 87%. This heat exchange core is easy to clean and does not contribute to mold growth.
4. Built in dehumidistat: Automatically controls excess humidity.
5. Energy efficient motors ensure years of low cost operation with minimum maintenance.
6. State-of-the-art recirculating damper defrost system: Eliminates the possibility of core freeze up and negative pressure.
7. Permanent washable filters: Filters both incoming and exhaust air to remove additional air borne contaminant's before they're allowed to enter the home.
8. 3 speed built-in fan control corrects changes in ventilation levels without any additional controls.
9. Illuminated "ON/OFF" switch.
10. Reversible cabinet design allows for easier duct installation.
11. Integral Balancing Dampers.
12. Connections for external fan interlock.



SHRV 130RD



SHRV 115RD

Specifications

Description	SHRV 115RD	SHRV 130RD	SHRV 190RD	SHRV 240RD
Length	28 1/4	36	36	34 1/2
Width	14 1/4	17 3/4	17 3/4	16
Height	20	20 3/4	20 3/4	25 7/8
VAC @ 60 Hz	120	120	120	120
Amps	1.12	2	2	3.7
Shipping Weight Lbs	60	80	80	100
Airflow	C.F.M. Against External Static Pressure (each air stream)			
.7"	-	-	169	240
.6"	96	124	183	246
.5" (125 Pa)	107	145	197	251
.4" (100 Pa)	117	169	209	257
.3" (75 Pa)	127	182	217	265
.2" (50 Pa)	138	196	226	-
.1" (25 Pa)	151	209	234	-
Built in Dehumidistat	Yes	Yes	Yes	Yes
Sensible Effectiveness	82%	79%	79%	87%

Canada Patent Registration 052580451
U.S. Pat Pend
Application# 10-712681

Lifetime Warranty:
Limited Lifetime Warranty on heat exchange core and full five year warranty on electrical components.
All models CSA approved.

Distributed By:

SLABY ELECTRIC LLC
PO BOX 83
ARCADIA, WI 54612

PRINTED IN CANADA X-RD-SS-EN-REV2

SUMMERAIRE

Summeraire Mfg.
Peterborough, ON. Canada K9J 7B1
(705)745-4736
www.summeraire.com

Appendix C
Monitoring Well Logs and WDNR Forms

Drilling Log

Monitoring Well **MW-30**

Project *Former Arcadia Dry Cleaners* Owner *Arcadia State Bank*

Location *Arcadia, WI* Proj. No. *133200*

Surface Elev. *NA* Total Hole Depth *12.0 ft.* North _____ East _____

Top of Casing *NA* ▽ *4.0 ft.* Static ▼ *3.3 ft.* Diameter _____

Screen: Dia *2 in.* Length *10 ft.* Type/Size *NA*

Casing: Dia *2 in.* Length *2 ft.* Type *NA*

Fill Material _____ Rig/Core _____

Drill Co. *On-Site Environmental* Method *Direct Push*

Driller *Tony* Log By *J. Schmidt* Date *8/18/15* Permit # *NA*

Checked By _____ License No. _____

COMMENTS

Depth (ft.)	Well Completion	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0		0			GW GM	Gravel base fill.
2		0	MW-30 2-4'		GW GM	Brown, silty fill with gravel.
4		0				Dark brown, very fine grained sand, wet.
6		0			SP	
8		1.5	MW-30 8-10'		SP	Light brown, very fine grained sand, wet.
10					SP	White, very fine grained sand, wet. Blind drill
12						
14						

DRILLING LOG Rev: 9/3/15 ARCADIA.GPJ SHAW IT.GDT 9/3/15

Drilling Log

Soil Boring **SB-21**

Project *Former Arcadia Dry Cleaners* Owner *Arcadia State Bank*

Location *Arcadia, WI* Proj. No. *133200*

Surface Elev. *NA* Total Hole Depth *10.0 ft.* North _____ East _____

Top of Casing *NA* ▽ *7.0 ft.* Static *NA* Diameter _____

Screen: Dia *NA* Length *NA* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material _____ Rig/Core _____

Drill Co. *On-Site Environmental* Method *Direct Push*

Driller *Tony* Log By *J. Schmidt* Date *8/18/15* Permit # *NA*

Checked By _____ License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0	20			GW GM	Gravel base fill.
2	4	SB-21 2-4'		SM	Light tan, silty sandy fill with gravel.
4	27			SP	Dark brown, very fine grained sand.
6	70				
▽					
8	18			SP	Light tan, very fine grained sand, iron staining, wet.
10				SP	White, very fine grained sand, wet.
12					
14					

DRILLING LOG Rev: 9/3/15 ARCADIA.GPJ SHAW IT.GDT 9/3/15

Drilling Log

Soil Boring **SB-22**

Project *Former Arcadia Dry Cleaners* Owner *Arcadia State Bank*

Location *Arcadia, WI* Proj. No. *133200*

Surface Elev. *NA* Total Hole Depth *10.0 ft.* North _____ East _____

Top of Casing *NA* ▽ *2.0 ft.* Static *NA* Diameter _____

Screen: Dia *NA* Length *NA* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material _____ Rig/Core _____

Drill Co. *On-Site Environmental* Method *Direct Push*

Driller *Tony* Log By *J. Schmidt* Date *8/18/15* Permit # *NA*

Checked By _____ License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0	0			GW GM	Gravel base fill.
				SM	Light tan, silty sandy fill with gravel.
2 ▽	32	SB-22 2-4'		SP	Black very fine grained sand with odor, wet.
4	33				
6	62				
8	56			SP	Light gray, very fine grained sand, wet.
10					
12					
14					

DRILLING LOG Rev: 9/3/15 ARCADIA.GPJ SHAW IT.GDT 9/3/15

Drilling Log

Soil Boring **SB-23**

Project *Former Arcadia Dry Cleaners* Owner *Arcadia State Bank*

Location *Arcadia, WI* Proj. No. *133200*

Surface Elev. *NA* Total Hole Depth *10.0 ft.* North _____ East _____

Top of Casing *NA* ▽ *2.0 ft.* Static *NA* Diameter _____

Screen: Dia *NA* Length *NA* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material _____ Rig/Core _____

Drill Co. *On-Site Environmental* Method *Direct Push*

Driller *Tony* Log By *J. Schmidt* Date *8/18/15* Permit # *NA*

Checked By _____ License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0	1			GW GM	Gravel base fill.
2 ▽	0	SB-23 2-4'		SM	Light tan, silty sandy fill with gravel, wet.
4	0			SP	Black, very fine grained sand, wet.
6	0			SP	Light gray, very fine grained sand, wet.
8	0				
10					
12					
14					

Drilling Log

Soil Boring **SB-24**

Project *Former Arcadia Dry Cleaners* Owner *Arcadia State Bank*

Location *Arcadia, WI* Proj. No. *133200*

Surface Elev. *NA* Total Hole Depth *10.0 ft.* North _____ East _____

Top of Casing *NA* ▽ *4.0 ft.* Static *NA* Diameter _____

Screen: Dia *NA* Length *NA* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material _____ Rig/Core _____

Drill Co. *On-Site Environmental* Method *Direct Push*

Driller *Tony* Log By *J. Schmidt* Date *8/18/15* Permit # *NA*

Checked By _____ License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0	0			GW GM	Gravel base fill.
2	0	SB-24 2-4'		SM	Light tan, silty sandy fill with gravel.
4 ▽	218			SP	Black, very fine grained sand, wet.
6	56				
8	2			SP	Light gray, very fine grained sand, wet.
10					
12					
14					

Drilling Log

Soil Boring **SB-25**

Project *Former Arcadia Dry Cleaners* Owner *Arcadia State Bank*

Location *Arcadia, WI* Proj. No. *133200*

Surface Elev. *NA* Total Hole Depth *10.0 ft.* North _____ East _____

Top of Casing *NA* ▽ *4.0 ft.* Static *NA* Diameter _____

Screen: Dia *NA* Length *NA* Type/Size *NA*

Casing: Dia *NA* Length *NA* Type *NA*

Fill Material _____ Rig/Core _____

Drill Co. *On-Site Environmental* Method *Direct Push*

Driller *Tony* Log By *J. Schmidt* Date *8/18/15* Permit # *NA*

Checked By _____ License No. _____

COMMENTS

Depth (ft.)	PID (ppm)	Sample ID %Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure)
0	9			GW GM	Gravel base fill.
2	1.5	SB-25 2-4'		SM	Light tan, silty sandy fill with gravel.
4 ▽	95			SP	Black, very fine grained sand, wet.
6	128				
8	13			SP	Light gray, very fine grained sand, wet.
10					
12					
14					

DRILLING LOG Rev: 9/3/15 ARCADIA.GPJ SHAW IT.GDT 9/3/15

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Former Arcadia Dry Cleaners	Local Grid Location of Well: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-30
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.	DNR Well ID No.
Facility ID: 662008380	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 08 / 18 / 2015 (m m / d d / y y y y)
Type of Well Well Code 11 / mw	Section Location of Waste/Source NE 1/4 of SW 1/4 of Sec. 32, T. 21 N, R. 09 ☐ E ☒ W	Well Installed By: Name (first, last) and Firm Tony Kapugi
Distance from Waste/Source: 60 ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number	On-Site Environmental

A. Protective pipe, top elevation 726.43 ft. MSL

B. Well casing, top elevation 725.98 ft. MSL

C. Land surface elevation 726.43 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 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
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 1.5 ft.

H. Screen joint, top _____ ft. MSL or 2 ft.

I. Well bottom _____ ft. MSL or 12 ft.

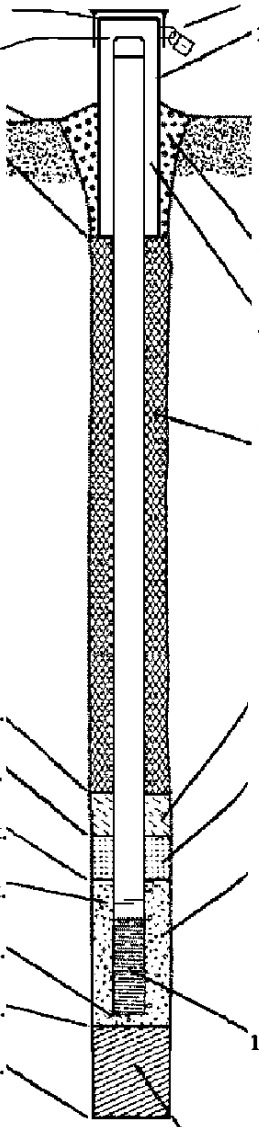
J. Filter pack, bottom _____ ft. MSL or 12 ft.

K. Borehole, bottom _____ ft. MSL or 12.5 ft.

L. Borehole, diameter 6.25 in.

M. O.D. well casing 2.25 in.

N. I.D. well casing 2 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1.5 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☐ 01 Other ☒ ___
asphalt
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. _____ Ft^3 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. Sidley
b. Volume added 0.2 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley
b. Volume added 0.1 ft^3
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 Monoflex
c. Slot size: 0.01 in.
d. Slotted length: 10 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
	CB&I Environmental and Infrastructure

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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Former Arcadia Dry Cleaners	Trempealeau	MW-30

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
662008380	62		

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☒ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well 45 min.

4. Depth of well (from top of well casisng) 12.00 ft.

5. Inside diameter of well 2.0 in.

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

7. Volume of water removed from well 40.0 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added NA

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

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.26 ft.	3.98 ft.
Date	b. 08/18/2015 (m m d d y y y y)	08/18/2015
Time	c. 12:05 ☐ a.m. ☒ p.m.	12:50 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☒ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

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

16. Well developed by: Name (first, last) and Firm
First Name: Tony Last Name: Kapugi
Firm: On-Site Environmental

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Kevin Last Name: Manley
Facility/Firm: Arcadia State Bank
Street: 131 W Main Street
City/State/Zip: Arcadia, WI 54612

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: [signature]
Print Name: Jared Schmidt
Firm: CB&I Environmental and Infrastructure

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

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

[X] **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Trempealeau	SB-21	

Lattitude / Longitude (Degrees and Minutes): 44.2522591 ' N / -91.500478 ' W
Method Code (see instructions):

¼ / ¼ NE ¼ SW | Section 32 | Township 21 N | Range 09 [ ] E [X] W
or Gov't Lot #

Well Street Address: 129 W Main Street

Well City, Village or Town	Well ZIP Code
Arcadia	54612

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Soil probe to collect sample	NA

2. Facility / Owner Information

Facility Name: Arcadia PCE
Facility ID (FID or PWS): 662008380
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Arcadia State Bank
Mailing Address of Present Owner: 131 West Main Street

City of Present Owner	State	ZIP Code
Arcadia	WI	54612

3. Well / Drillhole / Borehole Information

[ ] Monitoring Well
[ ] Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/18/2015
If a Well Construction Report is available, please attach.

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (specify): Direct push

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	NA

Was well annular space grouted? [ ] Yes [X] No [ ] Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	4

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

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

Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) [ ] Other (Explain):

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

For Monitoring Wells and Monitoring Well Boreholes Only:
[X] Bentonite Chips [ ] Bentonite - Cement Grout
[ ] Granular Bentonite [ ] Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	10	1/4	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
CB&I Environmental and Infrastructure		08/18/2015

Street or Route	Telephone Number
11206 Thompson Ave	( )

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Lenexa	KS	66219		

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

[X] **Verification Only of Fill and Seal**

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

1. Well Location Information

County: Trempealeau

WI Unique Well # of Removed Well: SB-22

Hicap #:

Lattitude / Longitude (Degrees and Minutes): 44.2522591 N / -91.500478 W

Method Code (see instructions):

¼ / ¼: NE ¼: SW Section: 32 Township: 21 N Range: 09 [ ] E [X] W

or Gov't Lot #:

Well Street Address: 129 W Main Street

Well City, Village or Town: Arcadia

Well ZIP Code: 54612

Subdivision Name:

Lot #:

Reason For Removal From Service: Soil probe to collect sample

WI Unique Well # of Replacement Well: NA

2. Facility / Owner Information

Facility Name: Arcadia PCE

Facility ID (FID or PWS): 662008380

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner: Arcadia State Bank

Mailing Address of Present Owner: 131 West Main Street

City of Present Owner: Arcadia State: WI ZIP Code: 54612

3. Well / Drillhole / Borehole Information

[ ] Monitoring Well
[ ] Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/18/2015

If a Well Construction Report is available, please attach.

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (specify): Direct push

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth From Ground Surface (ft.): 10

Casing Diameter (in.): NA

Lower Drillhole Diameter (in.): 2

Casing Depth (ft.): NA

Was well annular space grouted? [ ] Yes [X] No [ ] Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 4

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

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

Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) [ ] Other (Explain):

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

For Monitoring Wells and Monitoring Well Boreholes Only:
[X] Bentonite Chips [ ] Bentonite - Cement Grout
[ ] Granular Bentonite [ ] Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	10	1/4	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
CB&I Environmental and Infrastructure		08/18/2015

Street or Route: 11206 Thompson Ave

Telephone Number: ( )

City: Lenexa State: KS ZIP Code: 66219

Signature of Person Doing Work:

Date Signed:

DNR Use Only

Date Received:

Noted By:

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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

[X] **Verification Only of Fill and Seal**

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

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Trempealeau	SB-23	

Latitude / Longitude (Degrees and Minutes): 44.2522591 ' N / -91.500478 ' W
Method Code (see instructions):

¼ / ¼	¼	Section	Township	Range
NE	SW	32	21 N	09 [ ] E [X] W

or Gov't Lot #

Well Street Address: 129 W Main Street

Well City, Village or Town	Well ZIP Code
Arcadia	54612

Subdivision Name	Lot #

Reason For Removal From Service	WI Unique Well # of Replacement Well
Soil probe to collect sample	NA

2. Facility / Owner Information

Facility Name: Arcadia PCE
Facility ID (FID or PWS): 662008380
License/Permit/Monitoring #:
Original Well Owner:
Present Well Owner: Arcadia State Bank
Mailing Address of Present Owner: 131 West Main Street

City of Present Owner	State	ZIP Code
Arcadia	WI	54612

3. Well / Drillhole / Borehole Information

[ ] Monitoring Well
[ ] Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/18/2015
If a Well Construction Report is available, please attach.

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (specify): Direct push

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
10	NA

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	NA

Was well annular space grouted? [ ] Yes [X] No [ ] Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	4

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

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

Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) [ ] Other (Explain):

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

For Monitoring Wells and Monitoring Well Boreholes Only:
[X] Bentonite Chips [ ] Bentonite - Cement Grout
[ ] Granular Bentonite [ ] Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	10	1/4	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
CB&I Environmental and Infrastructure		08/18/2015

Street or Route	Telephone Number
11206 Thompson Ave	( )

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Lenexa	KS	66219		

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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[X] **Verification Only of Fill and Seal**

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

1. Well Location Information

County: Trempealeau

WI Unique Well # of Removed Well: SB-24

Hicap #:

Lattitude / Longitude (Degrees and Minutes): 44.2522591 ' N / -91.500478 ' W

Method Code (see instructions):

¼ / ¼: NE ¼: SW Section: 32 Township: 21 N Range: 09 [ ] E [X] W

or Gov't Lot #:

Well Street Address: 129 W Main Street

Well City, Village or Town: Arcadia

Well ZIP Code: 54612

Subdivision Name:

Lot #:

Reason For Removal From Service: Soil probe to collect sample

WI Unique Well # of Replacement Well: NA

2. Facility / Owner Information

Facility Name: Arcadia PCE

Facility ID (FID or PWS): 662008380

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner: Arcadia State Bank

Mailing Address of Present Owner: 131 West Main Street

City of Present Owner: Arcadia State: WI ZIP Code: 54612

3. Well / Drillhole / Borehole Information

[ ] Monitoring Well
[ ] Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/18/2015

If a Well Construction Report is available, please attach.

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (specify): Direct push

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth From Ground Surface (ft.): 10

Casing Diameter (in.): NA

Lower Drillhole Diameter (in.): 2

Casing Depth (ft.): NA

Was well annular space grouted? [ ] Yes [X] No [ ] Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 4

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

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

Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) [ ] Other (Explain):

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

For Monitoring Wells and Monitoring Well Boreholes Only:
[X] Bentonite Chips [ ] Bentonite - Cement Grout
[ ] Granular Bentonite [ ] Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	10	1/4	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
CB&I Environmental and Infrastructure		08/18/2015

Street or Route: 11206 Thompson Ave

Telephone Number: ( )

City: Lenexa State: KS ZIP Code: 66219

Signature of Person Doing Work:

Date Signed:

DNR Use Only

Date Received:

Noted By:

Comments:

State of Wis., Dept. of Natural Resources
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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[X] **Verification Only of Fill and Seal**

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

1. Well Location Information

County: Trempealeau

WI Unique Well # of Removed Well: SB-25

Hicap #:

Lattitude / Longitude (Degrees and Minutes): 44.2522591 ' N / -91.500478 ' W

Method Code (see instructions):

¼ / ¼: NE ¼ SW

Section: 32

Township: 21 N

Range: 09 [ ] E [X] W

or Gov't Lot #:

Well Street Address: 129 W Main Street

Well City, Village or Town: Arcadia

Well ZIP Code: 54612

Subdivision Name:

Lot #:

Reason For Removal From Service: Soil probe to collect sample

WI Unique Well # of Replacement Well: NA

2. Facility / Owner Information

Facility Name: Arcadia PCE

Facility ID (FID or PWS): 662008380

License/Permit/Monitoring #:

Original Well Owner:

Present Well Owner: Arcadia State Bank

Mailing Address of Present Owner: 131 West Main Street

City of Present Owner: Arcadia

State: WI

ZIP Code: 54612

3. Well / Drillhole / Borehole Information

[ ] Monitoring Well
[ ] Water Well
[X] Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 08/18/2015

If a Well Construction Report is available, please attach.

Construction Type:
[ ] Drilled [ ] Driven (Sandpoint) [ ] Dug
[X] Other (specify): Direct push

Formation Type:
[X] Unconsolidated Formation [ ] Bedrock

Total Well Depth From Ground Surface (ft.): 10

Casing Diameter (in.): NA

Lower Drillhole Diameter (in.): 2

Casing Depth (ft.): NA

Was well annular space grouted? [ ] Yes [X] No [ ] Unknown

If yes, to what depth (feet)?

Depth to Water (feet): 4

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

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

Required Method of Placing Sealing Material
[ ] Conductor Pipe-Gravity [ ] Conductor Pipe-Pumped
[X] Screened & Poured (Bentonite Chips) [ ] Other (Explain):

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

For Monitoring Wells and Monitoring Well Boreholes Only:
[X] Bentonite Chips [ ] Bentonite - Cement Grout
[ ] Granular Bentonite [ ] Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Chips	Surface	10	1/4	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)
CB&I Environmental and Infrastructure		08/18/2015

Street or Route: 11206 Thompson Ave

Telephone Number: ( )

City: Lenexa

State: KS

ZIP Code: 66219

Signature of Person Doing Work:

Date Signed:

DNR Use Only

Date Received:

Noted By:

Comments: