

**SITE INVESTIGATION AND REMEDIAL ACTION REPORT
STURGEON BAY LAUNDERERS AND CLEANERS (FORMERS)
7 2ND AVENUE SOUTH
STURGEON BAY, WISCONSIN 54235
BRRTS NO. 02-15-576022**

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STURGEON BAY, WISCONSIN

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FEBRUARY 8, 2019

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STURGEON BAY LAUNDERERS AND CLEANERS (FORMERS)

72ND AVENUE SOUTH

STURGEON BAY, WISCONSIN 54235

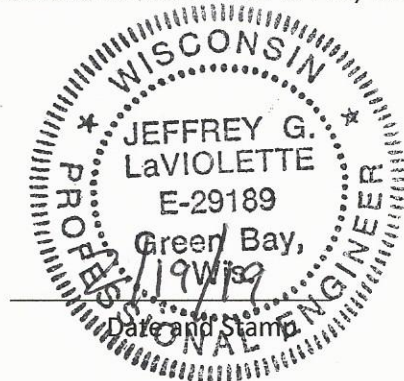
BRRTS NO. 02-15-576022

CERTIFICATIONS

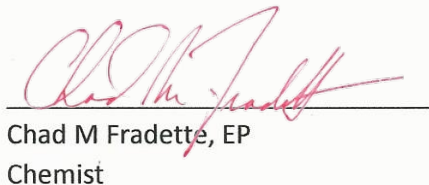
"I, Jeffrey LaViolette, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm.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



Jeffrey G. LaViolette, P.E. #29189
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"I, Chad M Fradette, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Chad M Fradette, EP
Chemist

2/19/2019

Date

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1. INTRODUCTION

On behalf of Allin V Walker and Margaret Lockwood Revocable Trust, Evergreen Consultants, LLC (Evergreen) was retained in January 2019 to complete Site Investigation Reporting activities at the Sturgeon Bay Launderers and Cleaners (former) site, WDNR BRRS No. 02-15-576022, located at 7 2nd Avenue South in Sturgeon Bay, Door County, Wisconsin. This document is limited to the parcel no. 281-1085040601C (hereinafter the "Site") as no subsurface impacts were identified outside the limits of this parcel in the course of the completed investigation work.

This report documents and discusses the soil and groundwater investigation activities and results and provides an interpretation of the collected data relative to established State of Wisconsin rules and regulations. Past site investigation activities were completed in accordance with Wisconsin laws and regulations at the time work was performed; specifically, Wisconsin Administrative Code (WAC) Chapters NR 700 through NR 726 (NR 700 through NR 726), WAC Chapter NR 140(NR 140), and WAC Chapter NR 141 (NR 141).

2. PURPOSE AND SCOPE OF WORK

2.1 Purpose of Work

The purpose of subsurface investigation activities was to (1) adequately identify and define the nature and extent of subsurface impacts to satisfy to the requirements of NR 716 for subsurface investigations; and (2) generate sufficient geologic and hydrogeologic data to evaluate potential risks to human health and the surrounding environment.

2.2 Scope of Work

The past scope of work for this project included an evaluation of the presence, type, and extent of subsurface impacts in addition to a determination of the subsurface characteristics (soil types and hydrogeologic conditions) for the project area. The following investigation activities were completed at the site:

- Advanced three direct-push (Geoprobe®) soil borings (GP-1 through GP-3) on August 4, 2015 on the Site. One soil sample from soil boring GP-1 and GP-3 (2 samples total) and two groundwater samples from temporary wells installed within soil borings GP-1 and GP-2 were submitted for laboratory analysis of volatile organic compounds (VOCs) to evaluate potential impacts present within the site subsurface. Following soil and groundwater sample collection, all borings were abandoned in accordance with NR 141 regulations.
- Advanced four direct-push (Geoprobe®) soil borings (GP-4 through GP-7) on August 20, 2015 on the Site. One soil sample from each soil boring (4 samples total) were submitted for laboratory analysis of VOCs to evaluate potential impacts present within the site subsurface. Following soil sample collection, all borings were abandoned in accordance with NR 141 regulations.
- Advanced nine direct-push (Geoprobe®) soil borings (GP-8 through GP-16) on August 26, 2015 on the Site. One soil sample from each soil boring (9 samples total) were submitted for laboratory analysis of VOCs to evaluate potential impacts present within the site subsurface. Following soil sample collection, all borings were abandoned in accordance with NR 141 regulations.

- Advanced four direct-push (Geoprobe®) soil borings (GP-16* through GP-19) on September 4, 2015 on the Site. One soil sample from each soil boring (4 samples total) were submitted for laboratory analysis of VOCs to evaluate potential impacts present within the site subsurface. Soil boring GP-16 was resampled due to cross-contamination concerns. Following soil sample collection, all borings were abandoned in accordance with NR 141 regulations.
- Advanced four soil test pits (TP-1 through TP-4) and two interior sub-floor soil borings (SB-1 and SB-2) on September 10, 2015 on the Site. Two samples from each test pit and one soil sample from each soil boring (10 samples total) were submitted for laboratory analysis of VOCs to evaluate potential impacts present within the site subsurface. Following soil sample collection, all borings were abandoned in accordance with NR 141 regulations.
- Excavated 194.87 tons of contaminated soils on site on October 27 and 28, 2015. Soils were disposed at the Waste Management - Ridgeview Landfill in Whitelaw, Wisconsin.
- Property owners installed an active vapor mitigation system in January 2016.
- Performed vapor intrusion sampling on December 7, 2016 on the Site. Samples from the ambient air, sub-slab vapor and vapor mitigation exhaust were submitted for laboratory analysis of VOCs to evaluate vapor intrusion and the effectiveness of the vapor mitigation system.
- Completed this report to document field methodologies and to present laboratory results, conclusions, and recommendations.

2.3 Project Team

The following firms and contractors provided services during site investigation and remedial activities completed at the site.

Responsible Party:

Allin V Walker & Margaret Lockwood Revocable Trust
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Environmental Consulting Firms:

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(920) 743-2312

Reinhardt Construction Inc
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(920) 469-2436
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3. BACKGROUND INFORMATION

3.1 Project Area Location

The site is in Section 7, in Township 27 North, Range 26 East, in Sturgeon Bay, Door County, Wisconsin (refer to **Figure 1**) in a commercial area that includes commercial printing, retail, restaurant, gas station and multi-family residential developments. The site is generally bordered by commercial properties to the southwest, northwest, northeast and residential on the southeast.

The approximate geographic coordinates of the property center are as follows: 727279, 487796.

The coordinates were determined by using the WDNR's interactive Geographic Information System (GIS).

3.2 Site Description

The site covers approximately 0.32 acres of land and is currently comprised of one parcel. A site plan map is included as **Figure 2**. Currently, the site is occupied entirely by an art gallery, art studio and residence. The building on-site is of historical interest and is the third oldest structure in the City of Sturgeon Bay. Historically, the site was developed prior to 1885. The property was used as a printer and was the long-time home of "The Advocate" newspaper. There was an underground gasoline tank located behind the building used to store fuel to power the gasoline powered printing engines. In 1919 the building was used as an egg preserving factory until 1938. In 1938 Ralph Lenius opened Sturgeon Bay Launderers and Cleaners, a steam laundry that used a boiler powered by a diesel engine located behind the building, which later become a dry cleaner. Sturgeon Bay Launderers and Cleaners operated out of this location until 1969. The building was vacant for many years and occasionally occupied for commercial activities. The site was redeveloped in 2016 to the current layout with the addition of an outdoor sitting, area, deck and a new garage.

3.2.1 Zoning

The site is currently zoned (as of the date of this report) as Central Business C-2 based on City of Sturgeon Bay zoning maps. The Central Business District is a Mixed-Use district, permitting, according to the City of Sturgeon Bay code "a full range of high-intensity uses: retail, multifamily housing, offices, entertainment and civic uses."

3.2.2 Topography and Drainage

The site is steeply sloped with ground surface elevations generally ranging between approximately 595 and 586 feet above Mean Sea Level (MSL). The site surface is graded to drain towards S 1st Avenue.

3.2.3 Utility Review

Information regarding utilities is based on field markings provided by a Diggers Hotline representative and observations by prior personnel. Underground utilities serving the site are limited to potable water and sanitary sewer laterals running to the building located within the site which enter from the S. 2nd Avenue right-of-way on the northeast side of the site. Based on the location and depth of known utilities and the degree and extent of identified impacts, the utility corridors are not expected to pose any pathway for off-site migration. Utilities in the vicinity of the site include the following:

- Municipal water - The site and surrounding properties are serviced by the municipal water system operated by the City of Sturgeon Bay, which obtains water from five potable wells. The nearest well is Well No. 7 located 860 feet southeast of the Site within Martin Park. That well is cased to 155 feet. The Site is located within the mapped zone of contribution of the well as shown in **Figure 3**.
- Sanitary sewer - Sanitary sewer lines are located within the S. 2nd Avenue right-of-way to the northeast of the Site.
- Natural gas - A natural gas line is located within the S. 2nd Avenue right-of-way to the northeast of the Site.
- Electric & Communication - Overhead electric and communication lines are present above the Site. Underground telephone is located along the northeast side of the commercial printer adjacent the Site. The line was located 1 foot below ground surface in native soils. The soil above and below the line was removed via excavation during Site remedial activities.

3.2.4 Potential Receptors

The site is located within the City of Sturgeon Bay which provides properties with municipally supplied water using groundwater as a source for potable water. Sturgeon Bay Well No. 7 is located 860 feet southeast of the Site. The well is cased to 155 feet and the Site lies within the mapped zone of contribution of the well. Based on results of site investigation activities, Sturgeon Bay Well No. 7 is considered slightly at risk from impacts identified at the site. The City reported that this well has no contamination.

The closest surface water body is Sturgeon Bay, located approximately 335 feet to the southwest of the site as shown in **Figure 1**.

There is a residence, garage, art studio and art gallery present on the Site.

A commercial printer is located along the southwest property shared with the Site.

3.2.5 Adjacent Properties

The adjacent site to the northeast (E Z Stop), located at 211 Michigan Street, is a closed LUST site (BRRTS #03-15-182719). The LUST case was closed with residual soil and groundwater impacts with a cap over the contaminated area.

The adjacent site to the north (Clark Oil Station #121), located at 214 Michigan Street, is a closed LUST site (BRRTS #03-15-001169). The LUST case was closed with residual soil, free product and groundwater impacts with a cap over the contaminated area.

3.3 Physiographic Setting

3.3.1 Regional Geology

The Site geology consists of glacial deposits overlying bedrock. Near the site, it is reported that glacial deposits generally consist of till; silt, sand, gravel, and boulders.

Silurian dolomite should be encountered at an estimated depth of approximately 20 feet bgs based on bedrock encountered on sites to the northwest. Bedrock was not encountered on adjacent LUST Sites.

3.3.2 Regional Hydrogeology

The groundwater in this area was investigated as part of the adjacent LUST Sites. Groundwater flow in the vicinity of the Site is towards the southwest towards Sturgeon Bay. Groundwater depth near the Site was from 10 to 15 ft bgs. Groundwater depth encountered during this investigation was 15 to 19 ft bgs.

4. INVESTIGATION PROCEDURES

Site investigation activities have been completed to assess potential subsurface impacts associated with historic use of the site. A Phase I Environmental Site Assessment (Phase I ESA) was not completed for the site because the Trust already owned the property and Baylake had already financed the construction loan, but a cursory review was completed. The cursory review identified past use of a gasoline UST and use of the property as a dry cleaner. Baylake Bank elected to complete Phase II environmental site assessment activities. Investigation methods utilized are described on the various WDNR forms included as appendices with this report; standard field methodologies are described in **Appendix A**.

4.1 Geoprobe® Soil Boring Installation

On August 4, 2015, as part of a Phase II environmental site assessment, three Geoprobe soil borings (GP-1 through GP-3) were installed within the boundaries of the site. The Geoprobe borings were advanced to depths between 2.5 and 20 feet bgs. The soil borings were located at various locations around the site. The soil boring locations are presented on **Figure 4**.

During boring advancement, soil samples were collected on a continuous basis and described on the basis of color, texture, grain size, and plasticity, and classified in accordance with the USCS. The soil classifications, sampling intervals, and descriptions are presented on the Soil Boring Logs included in **Appendix B**.

Soil samples were collected continuously and screened in the field with a photoionization detector (PID) for the presence of volatile organic compounds. Field screening results are presented on the Soil Boring Logs included in **Appendix B**.

One soil sample from soil boring GP-1 and GP-3 (2 samples total) were containerized and preserved (where necessary) for laboratory analysis of analytes: volatile organic compounds (VOCs). Two groundwater samples were collected from two temporary wells installed within soil borings GP-1 and GP-2. Samples were submitted for laboratory analysis from the following locations within each borehole: the sample containing visual evidence of the presence of fill material, the sample displaying the highest field screening reading, or the sample from the bottom of the unsaturated depth of the borehole. Upon completion of the soil sampling activities each borehole was abandoned in accordance with ch. NR 141. The borehole abandonment forms are included in **Appendix B**.

On August 20, 2015 four additional Geoprobe® soil borings (GP-4 through GP-7) were installed to further define the extent of chlorinated solvent contamination. Soil boring locations are shown

on **Figure 4**. Geoprobe® soil borings were completed to depths of 5 feet bgs and soil samples were collected with a hydraulically-driven 2-inch diameter by 5-foot long Macro-Core® sampler.

On August 26, 2015 nine additional Geoprobe® soil borings (GP-8 through GP-16) were installed to further define the extent of chlorinated solvent contamination. Soil boring locations are shown on **Figure 4**. Geoprobe® soil borings were completed to depths of 3 feet bgs and soil samples were collected with a hydraulically-driven 2-inch diameter by 5-foot long Macro-Core® sampler.

On September 4, 2015 four additional Geoprobe® soil borings (GP-16* through GP-19) were installed to further define the extent of chlorinated solvent contamination. Soil boring locations are shown on **Figure 4**. Geoprobe® soil borings were completed to depths of 3 feet bgs and soil samples were collected with a hydraulically-driven 2-inch diameter by 5-foot long Macro-Core® sampler. Soil boring GP-16 was resampled to determine if cross contamination led to detections.

On September 10, 2015 four test pits (TP-1 through TP-4) were excavated to further define the vertical extent of chlorinated solvent contamination. Two interior soil borings (SB-1 and SB-2) were installed to determine the concentration beneath the building. Soil boring and test pit locations are shown on **Figure 4**. Test pits were completed to depths of 8 feet bgs.

A total of 4 additional soil samples (one per soil boring) were submitted for laboratory analysis of VOCs to define the vertical extent of shallow impacts identified through the August 4, 2015 investigation work.

4.2 Monitoring Well Installation

Two temporary groundwater monitoring were installed within soil borings GP-1 and GP-2 during Phase II ESA activities on August 4, 2015. Two groundwater samples were submitted for laboratory analysis of VOCs. No detections of VOCs were encountered. No further groundwater investigation was completed.

4.3 Monitoring Well Development

No permanent groundwater monitoring wells were installed on the Site.

4.4 Surveying

No Site survey was conducted.

4.5 Static Water-Level Measurements

Not applicable

4.6 Groundwater Sampling

Groundwater samples were collected from temporary monitoring wells (GP-1 and GP-2) on August 4, 2105. Groundwater samples were submitted for laboratory analysis of VOCs.

4.7 Investigative Waste Handling

Soil cuttings from soil borings completed in 2015 were containerized in 55-gallon drums and emptied into a dump truck during excavation of the Site and transported to Waste Management's Ridgeview facility in Whitelaw, WI for disposal. Disposal documentation is included as **Appendix D**.

5. INVESTIGATION RESULTS

Geology beneath the site was characterized during the drilling activities described above. Soil and groundwater quality beneath the site were evaluated based on the results of field screening measurements and analytical results of soil and groundwater samples. The following is a discussion of the site-specific physical and chemical characteristics of the soil and groundwater media.

5.1 Physical Conditions

5.1.1 Site Geology

The site is covered with asphalt pavement. Based on observations during investigation activities and investigations on adjacent sites, the Site is underlain by small areas of fill materials and 20 feet of well graded sands, gravelly sands and silty sand. In general, the depth of observed fill material did not extend to depths greater than 3 feet below grade. Visually distinct fill material was observed just behind the back door of the building near GP-3. The specific soil characteristics and depths encountered during drilling activities are shown on the soil boring logs as **Appendix B**. **Figure 5** depicts the location of a cross-section across the site and the cross section is included as **Figure 6**.

5.1.2 Site Hydrogeology

Based on observations during soil boring completion and a review of the Clark Station site information, the interpreted shallow groundwater interface was approximately 15 feet below grade beneath the contaminated area. Soil borings and groundwater monitoring wells were installed up-gradient and down-gradient of the Subject Site during investigation of the Clark Station site. Static groundwater elevations from the Clark Station Site indicate that shallow groundwater generally flows southwest across the Site with a horizontal gradient of approximately 0.06 feet per foot. A groundwater contour map is included as **Figure 7**. Relevant Documents from the Clark Station Case are in **Appendix E**.

Considering that no groundwater contamination was found on the Site and the soil contamination threat was removed through excavation, there is no significant threat of vertical migration of contaminants to the groundwater. Therefore, a vertical groundwater flow gradient is not necessary. Furthermore, hydraulic conductivity tests were not completed at the site given the lack of groundwater impacts identified at the site.

5.2 Chemical Conditions

Field screening and laboratory analytical data collected during site investigation activities were used to evaluate current soil and groundwater conditions beneath the site and to determine the potential impacts to human health and the environment. The following is a discussion of laboratory analytical results for soil and groundwater samples and how the concentrations compare to NR 720 Residual Contaminant Levels (RCLs) for the protection of groundwater and direct contact (for non-industrial land use) pathways for soil samples and NR 140 Enforcement Standards (ESs) and Preventive Action Limits (PALs) for groundwater samples. Further details about the soil and groundwater threshold criteria are presented in the corresponding data quality tables.

5.2.1 Soil Quality Results

Soil quality data obtained from site investigation work completed to date are summarized in the following tables and figures:

- Table 1 - Soil Analytical Data - Arranged by Date
- Figure 8 - Soil Quality Map

Soil laboratory analytical reports from investigative work are included in **Appendix C**. Discussion of the soil quality data is presented below.

VOCs - Concentrations of VOC constituents reported greater than the RCL for the protection of shallow groundwater pathway are benzene, n-butylbenzene, ethylbenzene, cumene, p-isopropyl toluene, methylene chloride, MTBE, naphthalene, tetrachloroethylene (PCE), toluene, 1,1,1-trichloroethane, trimethylbenzenes and xylenes. In most soil samples with detections exceeding the most common contaminant of concern was PCE.

Soil Quality Discussion - The identified VOC concentrations greater than RCLs within the shallow soil samples appear to be associated with past dry cleaner use of the Site and probable disposal of waste behind the building. Contamination observed beneath the slab of the building may be from disposal into and unknown floor drain. The entire floor is covered with a false floor and not visible.

The extent of the impacts has been defined vertically based on September 10, 2015 deeper soil samples collected to prepare for excavation. Nearly all exposed soils with VOC concentration greater than RCLs were removed through excavation.

The identified impacts beneath the building are covered by a redeveloped building that serves as a barrier to prevent direct contact with the material as well as limit precipitation infiltration into the underlying soil.

5.2.2 Groundwater Quality Results

Groundwater quality data obtained from site investigation work completed to date are summarized in **Table 2**. Groundwater laboratory analytical reports from past investigation work are included in **Appendix C**. Discussion of the groundwater quality data is presented below.

VOCs – No detections of VOCs were reported above laboratory method detection limits.

5.2.3 Vapor Intrusion Pathway Evaluation

The potential vapor intrusion risk at the site was evaluated based on soil and groundwater data collected during the site investigation activities completed at the site. There are structures at the Site and impacts identified within the shallow subsurface contain volatile compounds. It was determined that a vapor intrusion risk existed at the Site. The building was under renovation during the site investigation. Based on VOC contamination of the soil beneath the basement slab, the contractors installed an active vapor mitigation system. The system is designed to maintain negative pressure beneath the elevated false floor and basement slab. The system has been in operation since

January 2016.

Vapor Intrusion Sampling. Three vapor intrusion samples were collected; from the ambient air at breathing height in the basement, from beneath the basement slab through an access hatch in the elevated floor, and from the exhaust of the vapor mitigation system. The vapor intrusion data is in **Table 3**.

Discussion. The PCE concentration from beneath the basement slab exceeded the WI Residential Vapor Risk Screening Level. PCE concentration in the ambient air was below the WI Residential Vapor Action Level (VAL) and PCE concentration in the mitigation system exhaust was elevated, but did not exceed the WI Residential VAL. The vapor mitigation system does not capture all PCE vapor, but the concentrations are orders of magnitude lower than those within the sub-slab space and below the WI Residential VAL.

5.3. Site Investigation Summary

Concentrations of VOCs greater than groundwater pathway protection RCLs have been identified within samples of shallow soils at the site. Disposal of dry cleaner waste out the back door of the building and disposal into floor drains were the likely source of chlorinated contamination. Gasoline contaminants onsite likely originated from use of a gasoline UST to store gasoline for use in printing operations.

A portion of the associated impacts are in a grassed lawn and a portion of the impacts are covered with the existing building that serves as a barrier to prevent direct contact with the material as well as limit precipitation infiltration into the underlying soil.

There were no groundwater impacts.

The building on-site has identified vapor intrusion issues. Since the concentration of PCE is low outside of the building and there is no groundwater contamination the risk to adjacent properties is low.

6. REMEDIAL ACTIONS COMPLETED

6.1 Excavation of Contaminated Soils

The contaminated soil was excavated on October 27, 2014 and October 28, 2014 by Reinhardt Construction Inc of Fish Creek, Wisconsin and Lily Bay Sand and Gravel LLC of Sturgeon Bay, Wisconsin under the direction of past consultants. The excavation ranged in depth from 1 to 7 feet. Previous soil boring data and field screening was used to determine the excavation limits. 194.87 tons of chlorinated contaminated soil was removed and disposed of at Ridgeview Landfill in Whitelaw, Wisconsin.

Five excavation closure samples were collected. Three of the samples were collected from sidewalls and two from the bottom of the excavation. The excavation limits and closure sample locations are noted on the Excavation and Soil Sample Location Map **Figure 9**. The landfill disposal documentation is in **Appendix D**.

Nearly all the exposed soils contaminated with PCE were removed from the Site and properly disposed. A small amount of PCE contamination remains in the location of soil boring GP-13 near

the surface and adjacent to the Michigan Street right-of-way beneath the sidewalk. The soil contamination in that area is well below direct contact levels but does exceed groundwater pathway RCLs. Based on nearby vertical definition of soil contamination, the remaining soil contamination extends to a depth of 4 to 6 feet and does not intersect the groundwater table.

All soils contaminated with gasoline compounds exceeding the groundwater pathway RCLs were removed during excavation activities.

6.2 Vapor Intrusion Mitigation System Installation

An active continuous operation vapor mitigation system was installed in the basement of the building during renovations in January 2016. A vapor barrier was incorporated into a new floating subfloor above the basement concrete slab. The mitigation system maintains the area beneath the vapor barrier under negative pressure continuously by vapor system exhaust motors. The exhaust is vented out the roof of the building. Testing of the vapor system showed the system is working and vapor concentrations in the living space were just above laboratory method detection limits and the concentration below the slab was thousands of times higher.

7. RISK PATHWAY ASSESSMENT & PROPOSED MITIGATION MEASURES

Risk pathways of concern identified at the site are limited to the following:

Potential migration to groundwater (primarily via precipitation infiltration) of impacts within soil.

Potential migration of vapor into the living space of the building.

The majority of identified residual soil impacts are located beneath the existing building and adjacent sidewalk. The building and sidewalk effectively act as engineered barriers limiting precipitation infiltration from migrating through identified soil impacts. A small amount remains in a grassed area of the Site but is of much lower concentration. Most exposed soils on-site were removed through excavation.

Vapor intrusion into the living space is kept below the WI Residential Vapor Action Level by the active vapor mitigation system. The system should be maintained and kept operational because the concentration of PCE in the sub-slab nearly exceeds the WI Sub-Slab Vapor Risk Screening Level.

Therefore, regulatory case closure is appropriate for the site currently with listing of the residual soil impacts on the GIS Registry and continuing operation and maintenance of the building, sidewalk and vapor mitigation system.

8. RECOMMENDATIONS

The site investigation work has defined subsurface impacts. Based on the completed site investigation work and remedial actions, the risks at the site are mitigated. The Site should move to case closure.

9. LIMITATIONS OF INVESTIGATION

This report was prepared under constraints of cost, time, and scope, and reflects a limited assessment and evaluation rather than a full, total, complete or extensive assessment and evaluation.

The assessment was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by Professional Consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control.

The interpretations and conclusions contained in this report are based upon the result of independent laboratory tests and analysis intended to detect the presence and/or concentrations of certain chemical constituents in samples taken from the subject property. We have no control over such testing and analysis and therefore, disclaims any responsibility for any errors and omissions arising therefrom.

A subsurface exploration was performed and presented in this report. However, subsurface exploration cannot reveal totally what is below the surface. Depending upon the sampling method and frequency, every soil condition may not be observed, and some materials or layers, which are present in the subsurface, may not be noted.

This report is issued with the understanding that it is the responsibility of the owners to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agency.

6. REMEDIAL ACTIONS COMPLETED

6.1 Excavation of Contaminated Soils.

The contaminated soil was excavated on October 27, 2014 and October 28, 2014 by Reinhardt Construction Inc of Fish Creek, Wisconsin and Lily Bay Sand and Gravel LLC of Sturgeon Bay, Wisconsin under the direction of past consultants. The excavation ranged in depth from 1 to 7 feet. Previous soil boring data and field screening was used to determine the excavation limits. 194.87 tons of chlorinated contaminated soil was removed and disposed of at Ridgeview Landfill in Whitelaw, Wisconsin.

Five excavation closure samples were collected. Three of the samples were collected from sidewalls and two from the bottom of the excavation. The excavation limits and closure sample locations are noted on the Excavation and Soil Sample Location Map **Figure 9**. The landfill disposal documentation is in **Appendix D**.

Nearly all the exposed soils contaminated with PCE were removed from the Site and properly disposed. A small amount of PCE contamination remains in the location of soil boring GP-13 near the surface and adjacent to the Michigan Street right-of-way beneath the sidewalk. The soil contamination in that area is well below direct contact levels but does exceed groundwater pathway RCLs. Based on nearby vertical definition of soil contamination, the remaining soil contamination extends to a depth of 4 to 6 feet and does not intersect the groundwater table.

All soils contaminated with gasoline compounds exceeding the groundwater pathway RCLs were removed during excavation activities.

6.2 Vapor Intrusion Mitigation System Installation.

An active continuous operation vapor mitigation system was installed in the basement of the building during renovations in January 2016. A vapor barrier was incorporated into a new floating subfloor above the basement concrete slab. The mitigation system maintains the area beneath the vapor barrier under negative pressure continuously by vapor system exhaust motors. The exhaust is vented out the roof of the building. Testing of the vapor system showed the system is working and vapor concentrations in the living space were just above laboratory method detection limits and the concentration below the slab was thousands of times higher.

7. RISK PATHWAY ASSESSMENT & PROPOSED MITIGATION MEASURES

Risk pathways of concern identified at the site are limited to the following:

- Potential migration to groundwater (primarily via precipitation infiltration) of impacts within soil.
- Potential migration of vapor into the living space of the building.

The majority of identified residual soil impacts are located beneath the existing building and adjacent sidewalk. The building and sidewalk effectively act as engineered barriers limiting precipitation infiltration from migrating through identified soil impacts. A small amount remains in a grassed area of the Site but is of much lower concentration. Most exposed soils on-site were removed through excavation.

Vapor intrusion into the living space is kept below the WI Residential Vapor Action Level by the active vapor mitigation system. The system should be maintained and kept operational because the concentration of PCE in the sub-slab nearly exceeds the WI Sub-Slab Vapor Risk Screening Level.

Therefore, regulatory case closure is appropriate for the site currently with listing of the residual soil impacts on the GIS Registry and continuing operation and maintenance of the building, sidewalk and vapor mitigation system.

8. RECOMMENDATIONS

The site investigation work has defined subsurface impacts. Based on the completed site investigation work and remedial actions, the risks at the site are mitigated. The Site should move to case closure.

9. LIMITATIONS OF INVESTIGATION

This report was prepared under constraints of cost, time, and scope, and reflects a limited assessment and evaluation rather than a full, total, complete or extensive assessment and evaluation.

The assessment was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by Professional Consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from

legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control.

The interpretations and conclusions contained in this report are based upon the result of independent laboratory tests and analysis intended to detect the presence and/or concentrations of certain chemical constituents in samples taken from the subject property. We have no control over such testing and analysis and therefore, disclaims any responsibility for any errors and omissions arising therefrom.

A subsurface exploration was performed and presented in this report. However, subsurface exploration cannot reveal totally what is below the surface. Depending upon the sampling method and frequency, every soil condition may not be observed, and some materials or layers, which are present in the subsurface, may not be noted.

This report is issued with the understanding that it is the responsibility of the owners to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agency.

FIGURES

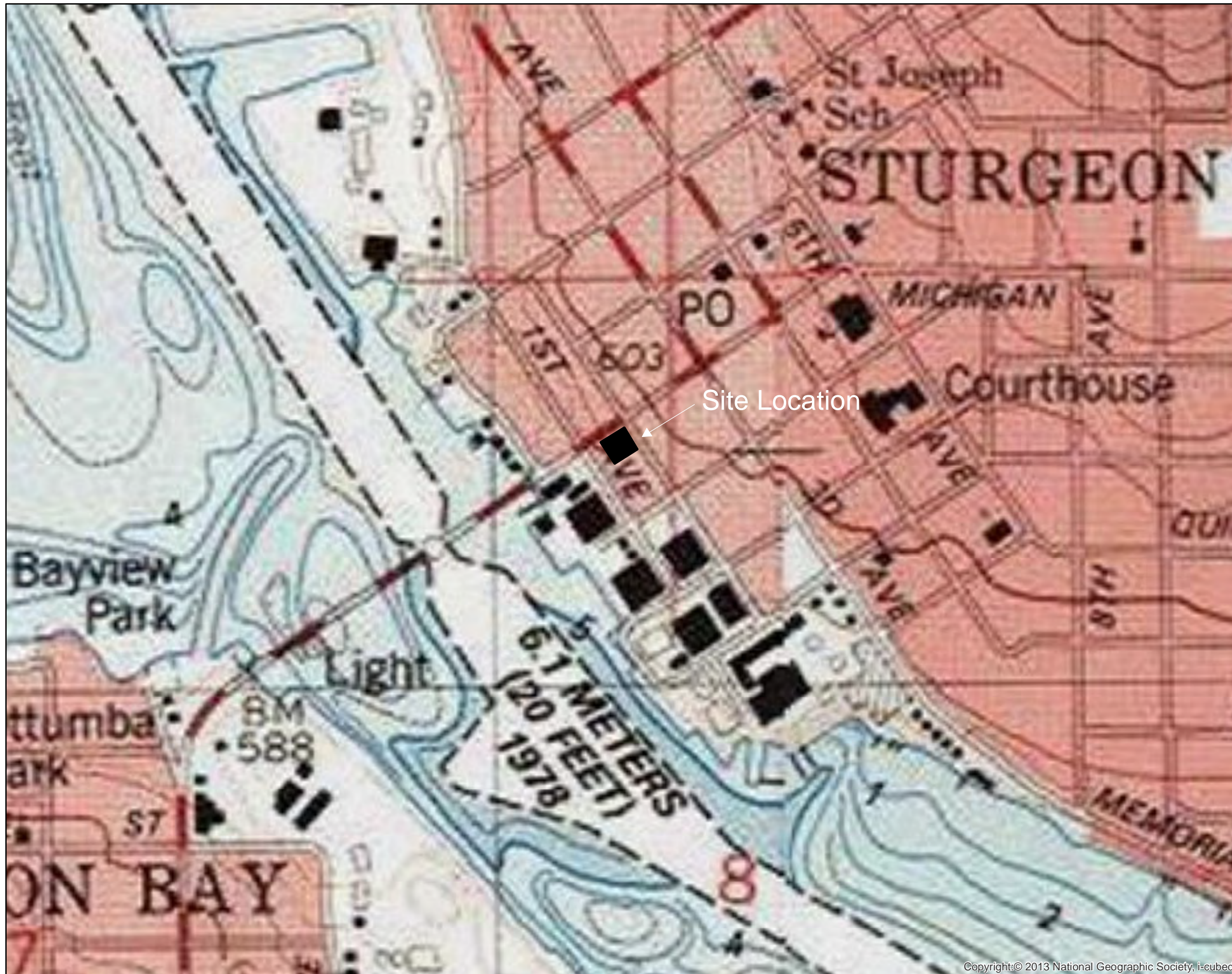
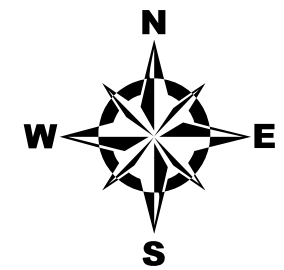
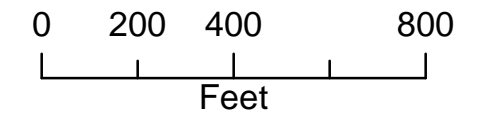


Figure 1 - Site Location Map
 Sturgeon Bay Launderers
 and Cleaners (Former)
 City of Sturgeon Bay
 Door County, Wisconsin

Project: DOR19-012-22
 Parcel No: 2811085040601C



Legend

 Site Boundary

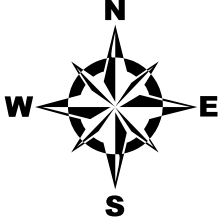
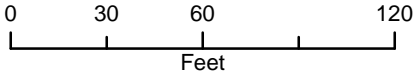


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Figure 2 - Site Plan Map
 Sturgeon Bay Launderers
 and Cleaners (Former)



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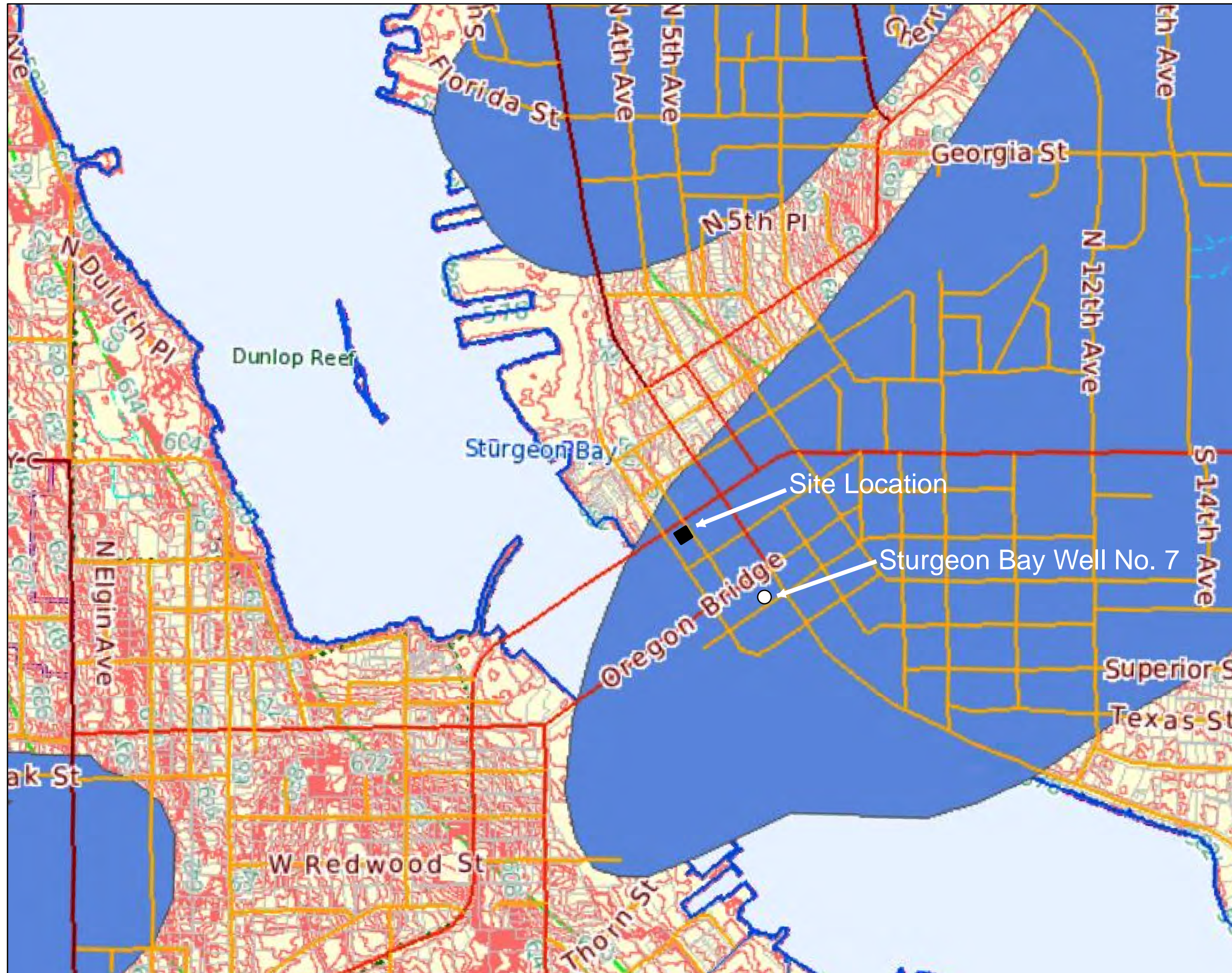
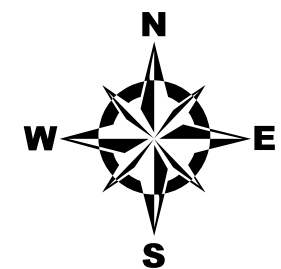
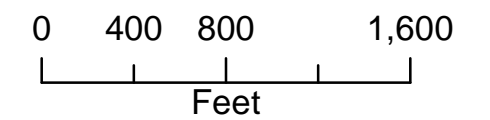


Figure 3 - Well No.7 Zone of Contribution
 Sturgeon Bay Launderers and Cleaners (Former)
 City of Sturgeon Bay
 Door County, Wisconsin

Project: DOR19-012-22
 Parcel No: 2811085040601C



Legend

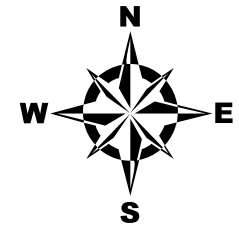
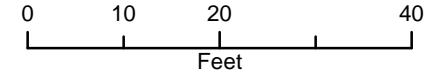
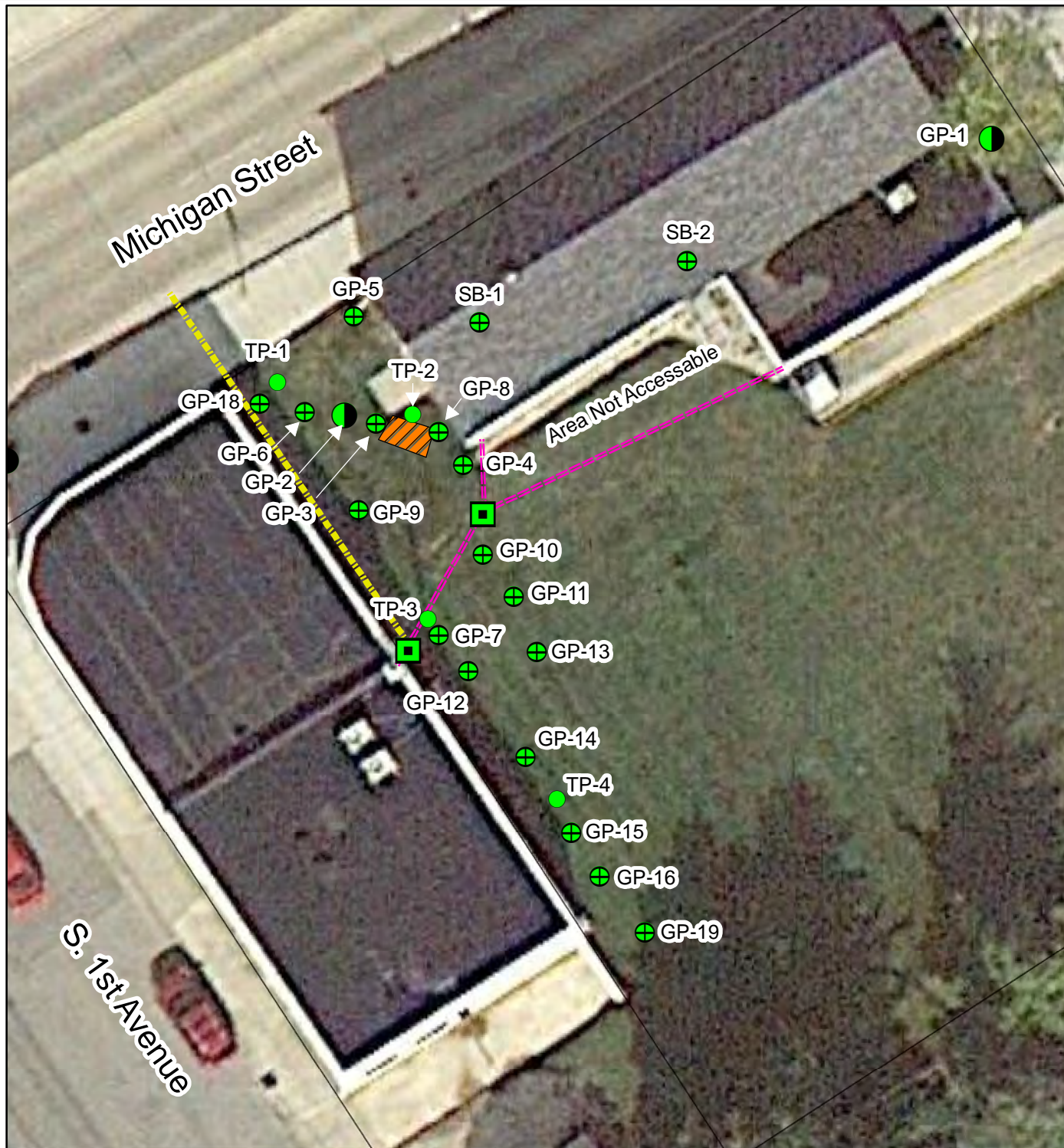
 Site Boundary



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Figure 4 - Soil Boring Map
Sturgeon Bay Launderers
and Cleaners (Former)



Legend

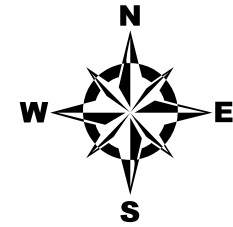
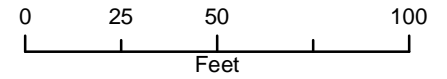
- Test Pit
- ⊕ Geoprobe
- Power Pole
- ◐ Temporary Groundwater Well
- Former Location of Gasoline UST
- Overhead Wire
- Underground Telephone Line



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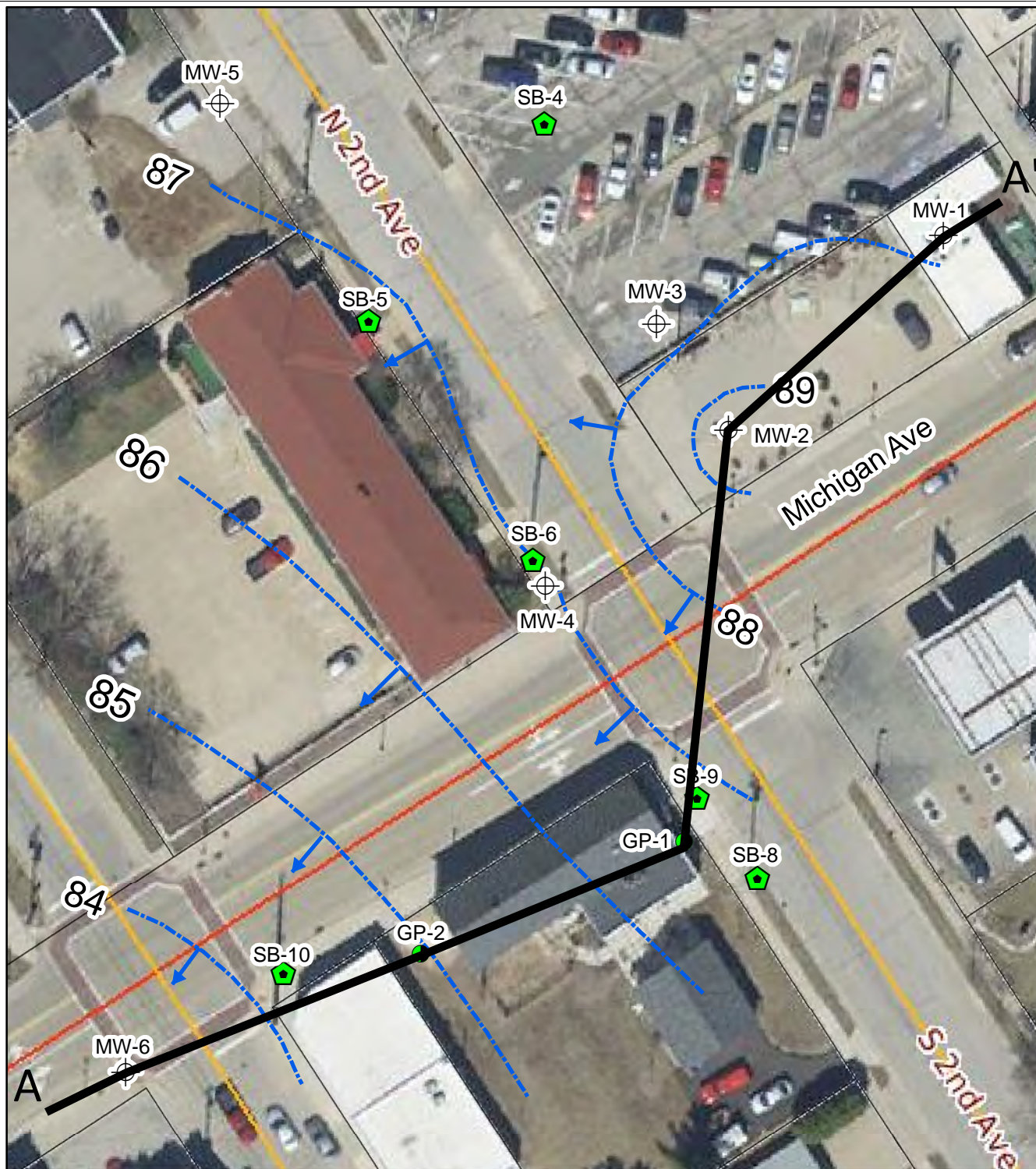
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Figure 5 - Cross-Section Location
Sturgeon Bay Launderers
and Cleaners (Former)



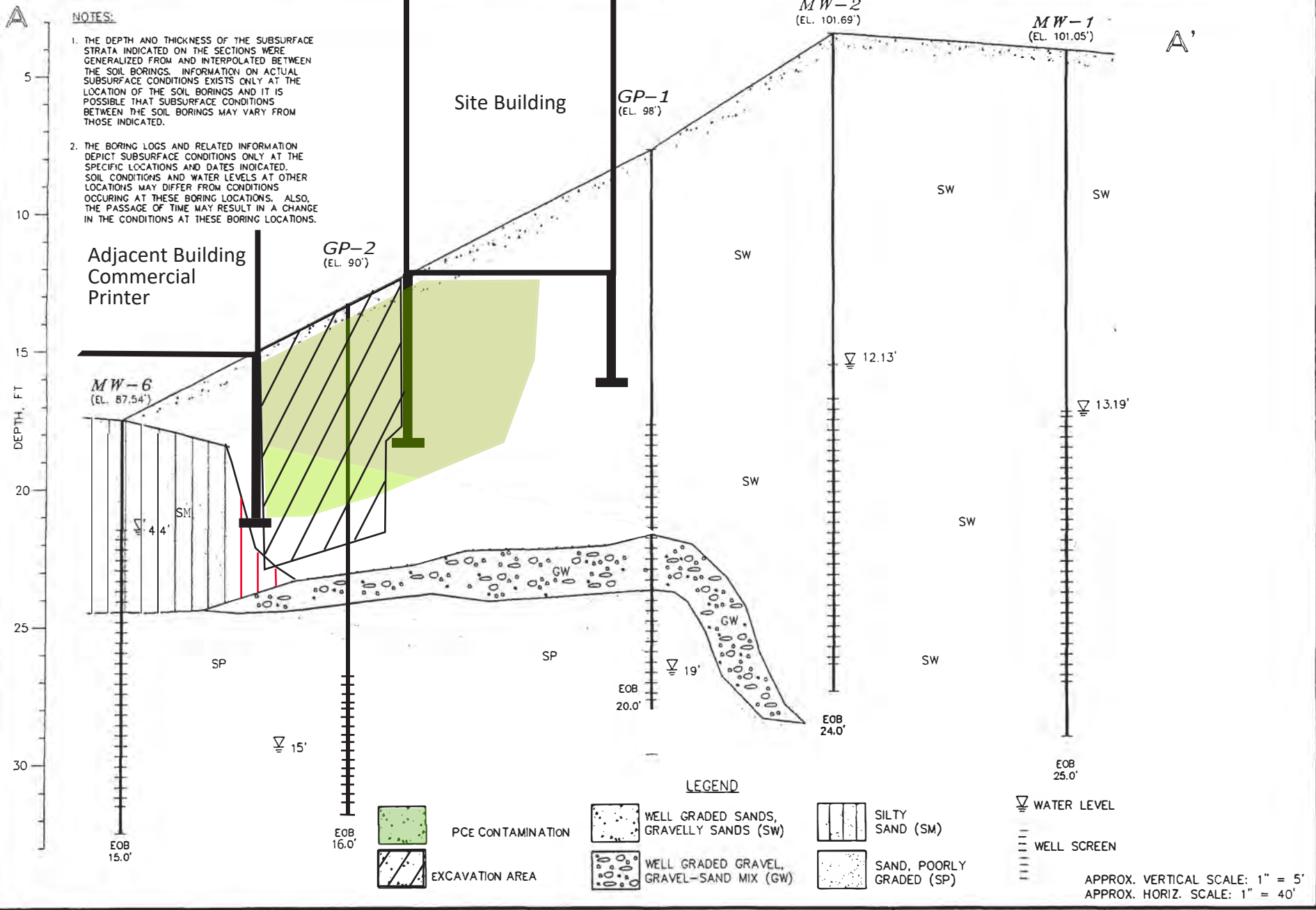
Legend

- Groundwater Contour Line
- Monitoring Well
- Temporary Groundwater Well
- Soil Boring



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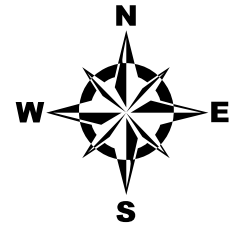
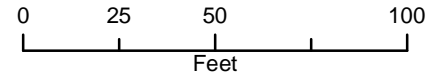
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GENERALIZED CROSS SECTION A - A'
 STURGEON BAY LAUNDERERS AND CLEANERS
 7 2ND AVENUE SOUTH
 STURGEON BAY, WISCONSIN

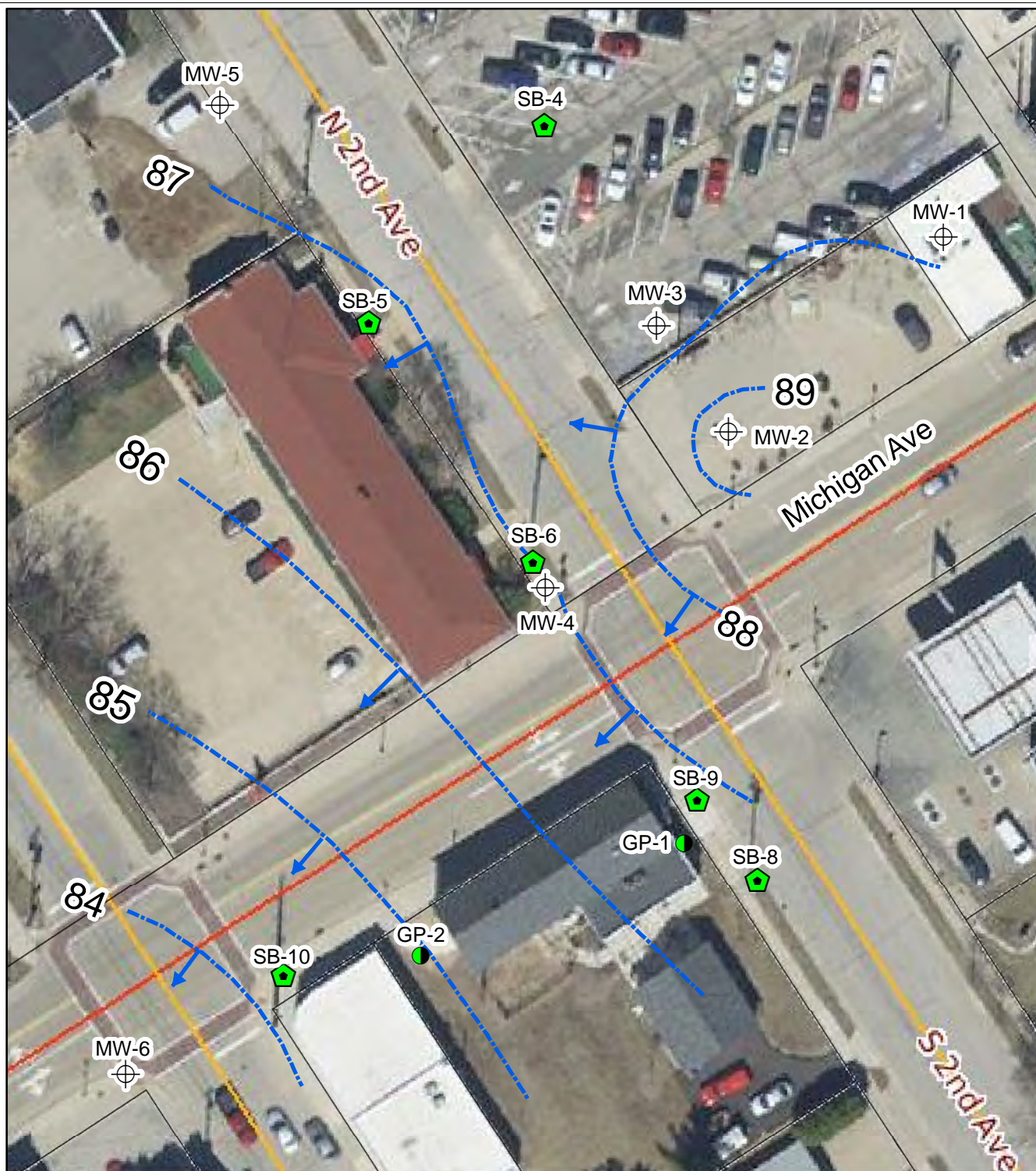
FIGURE 6

Fig 7 - Groundwater Contour Map Sturgeon Bay Launderers and Cleaners (Former)



Legend

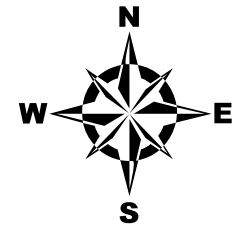
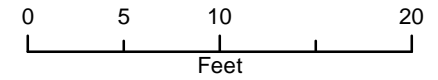
-  Groundwater Contour Line
-  Monitoring Well
-  Temporary Groundwater Well
-  Soil Boring










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Figure 8
 Sturgeon Bay Launderers
 and Cleaners
 -Pre Remedial Map-



Legend

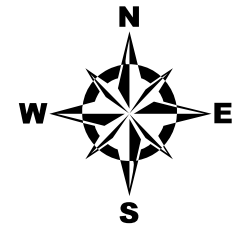
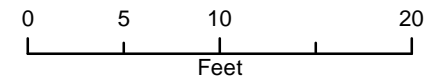
-  Test Pit
-  Geoprobe
-  Power Pole
-  Temporary Groundwater Well
-  Overhead Wire
-  Underground Telephone Line
-  Soil Contamination Exceeding GW RCL's








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Figure 8A
Sturgeon Bay Launderers
and Cleaners
-Post Remedial Map-



Legend

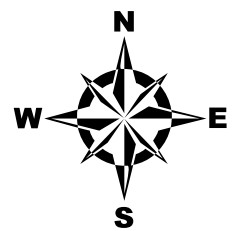
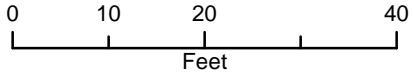
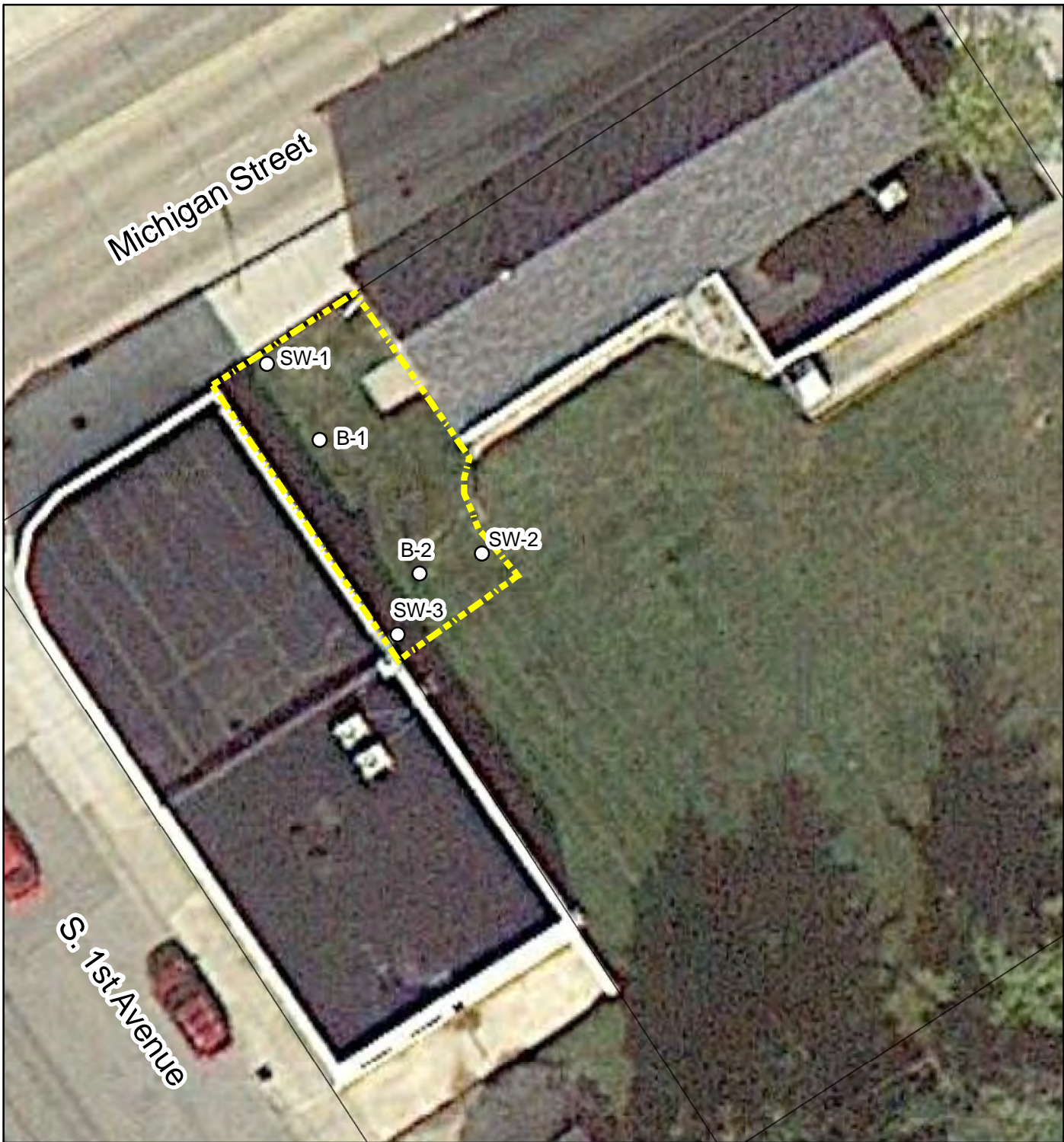
-  Power Pole
-  Excavation Closure Samples
-  Overhead Wire
-  Excavation Limits
-  Soil Contamination Exceeding GW RCLs



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Figure 9 - Excavation Map
Sturgeon Bay Launderers
and Cleaners



Legend

--- Excavation Limits



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TABLES

SIR Soil Summary Table 1 of 2:

BRRTS #: 02-15-576022
SITE NAME: Sturgeon Bay Launderers and Cleaners (Former)
SITE ADDRESS: Sturgeon Bay, WI

BORING #	GP-1	GP-3	GP-4	GP-5	GP-6	GP-7	GP-8	GP-9	...		
DEPTH to Water Table (ft BGS)	19	16	16	16	16	16	16	16			
Date Collected	8/4/15	8/4/15	8/20/15	8/20/15	8/20/15	8/20/15	8/26/15	8/26/15			
DEPTH (ft BGS)	18 - 20	1.5 - 2.5	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	Soil RCLs (mg/kg)		
SOIL TYPE / Description	sand	sand	sand	sand	sand	sand	sand	sand	Calculated 12/2017		
	Soil Concentrations in mg/kg (or ppm)								Non-Industrial Direct Contact	Soil to GW	Detection Limit (mg/kg)
Benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.6	0.0051	0.025
Ethylbenzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	8.02	1.57	0.025
Toluene	< 0.025	0.056	< 0.025	< 0.025	0.038	< 0.025	0.083	0.06	818	1.107	0.025
Xylene	< 0.075	0.124	< 0.075	< 0.075	0.03	< 0.075	0.221	0.143	260	3.96	0.075
Methylene Chloride	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.052	0.035	61.8	0.0026	0.025
TCE	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.3	0.0036	0.025
PCE	< 0.025	0.297	< 0.025	0.055	0.0496	1.88	2.26	0.086	33	0.0045	0.025
Vinyl Chloride	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.067	0.0001	0.025
Trichloroethane, 1,1,1-	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	640	0.0032	0.025
Naphthalene	< 0.040	0.077	< 0.040	< 0.040	< 0.040	< 0.040	0.189	0.101	5.52	0.6582	0.04

BORING #	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	GP-16	GP-17	...		
DEPTH to Water Table (ft BGS)	19	16	16	16	16	16	16	16			
Date Collected	8/26/15	8/26/15	8/26/15	8/26/15	8/26/15	8/26/15	9/4/15	9/4/15			
DEPTH (ft BGS)	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 3	0 - 3	Soil RCLs (mg/kg)		
SOIL TYPE / Description	sand	sand	sand	sand	sand	sand	sand	sand	Calculated 12/2017		
	Soil Concentrations in mg/kg (or ppm)								Non-Industrial Direct Contact	Soil to GW	Detection Limit (mg/kg)
Benzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.6	0.0051	0.025
Ethylbenzene	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	8.02	1.57	0.025
Toluene	< 0.025	0.046	< 0.025	0.045	< 0.025	< 0.025	< 0.025	< 0.025	818	1.107	0.025
Xylene	< 0.075	0.037	< 0.075	0.109	< 0.075	< 0.075	< 0.075	< 0.075	260	3.96	0.075
Methylene Chloride	0.047	0.038	0.037	0.049	0.061	0.041	< 0.025	< 0.025	61.8	0.0026	0.025
TCE	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.3	0.0036	0.025
PCE	< 0.025	0.177	0.142	0.067	< 0.025	< 0.025	< 0.025	< 0.025	33	0.0045	0.025
Vinyl Chloride	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.067	0.0001	0.025
Trichloroethane, 1,1,1-	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	640	0.0032	0.025
Naphthalene	< 0.040	0.06	< 0.040	0.066	< 0.040	< 0.040	< 0.040	< 0.040	5.52	0.6582	0.04

BORING #	GP-18	GP-19	TP-1	TP-1	TP-2	TP-2	TP-3	TP-3	...		
DEPTH to Water Table (ft BGS)	16	16	16	16	16	16	16	16			
Date Collected	9/4/15	9/4/15	9/10/15	9/10/15	9/10/15	9/10/15	9/10/15	9/10/15			
DEPTH (ft BGS)	0 - 3	0 - 3	4 - 6	6 - 8	4 - 6	6 - 8	4 - 6	6 - 8	Soil RCLs (mg/kg)		
SOIL TYPE / Description	sand	sand	sand	sand	sand	sand	sand	sand	Calculated 12/2017		
	Soil Concentrations in mg/kg (or ppm)								Non-Industrial Direct Contact	Soil to GW	Detection Limit (mg/kg)
Benzene	0.217	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.6	0.0051	0.025
Ethylbenzene	0.234	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	8.02	1.57	0.025
Toluene	1.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	818	1.107	0.025
Xylene	2.297	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	260	3.96	0.075
Methylene Chloride	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	61.8	0.0026	0.025
TCE	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.3	0.0036	0.025
PCE	0.126	< 0.025	< 0.025	< 0.025	0.047	< 0.025	0.544	< 0.025	33	0.0045	0.025
Vinyl Chloride	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.067	0.0001	0.025
Trichloroethane, 1,1,1-	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	640	0.0032	0.025
Naphthalene	1.05	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	< 0.040	5.52	0.6582	0.04

Groundwater Sample Laboratory Analytical Results
Site Name: Sturgeon Bay Launderers and Cleaners (Former)
Site Address: Sturgeon Bay, WI
BRRTS #: 02-15-576022

Analyte	GP-1	GP-2	NR 140 ES	NR 140 PAL
Sample Date	8/4/2015	8/4/2015		
<i>Detected and Selected Volatile Organic Compounds (VOCs), ppb</i>				
Benzene	<0.50	<0.50	5	<i>0.5</i>
n-Butylbenzene	<0.20	<0.20	NS	<i>NS</i>
Ethylbenzene	<0.50	<0.50	700	<i>140</i>
Cumene	<0.14	<0.14	NS	<i>NS</i>
p-Isopropyltoluene	<0.50	<0.50	NS	<i>NS</i>
Methylene Chloride	<0.23	<0.23	5	<i>1</i>
MTBE	<0.17	<i>0.28J</i>	60	<i>12</i>
Naphthalene	<2.5	<2.5	100	<i>10</i>
Tetrachloroethene	<0.50	<0.50	5	<i>1</i>
Toluene	<0.50	<0.50	800	<i>160</i>
1,1,1-Trichloroethane	<0.50	<0.50	200	<i>40</i>
Total TMBs	<0.50	<0.50	480	<i>96</i>
Total Xylenes	<1.50	<1.50	400	<i>2000</i>

PAL - Preventive Action Limit
ES - Enforcement Standard
NS - No NR 140 Standard Established
ppb - parts per billion
ppm- parts per million
NA- Not analyzed
NS- No standard
MTBE- Methyl-tert-butyl-ether

Vapor Intrusion Sampling
Sturgeon Bay Launderers and Cleaners (Former)
WI BRRTS No. 02-15-576022
December 7, 2016

RESIDENTIAL

ug/m3 Parameters	Ambient Air	Sub-Slab	Vapor Removal	Indoor Air VAL	SUB-Slab Vapor VRSL
Tetrachloroethylene (PCE)	0.70J	1370	13	42	1400
Trichloroethylene (TCE)	ND	1.2	ND	2.1	70
1,1- Dichloroethene	ND	ND	ND	210	7000
cis-1,2-Dichloroethene	ND	ND	ND	NS	NS
trans-1,2-Dichloroethene	ND	ND	ND	NS	NS
Vinyl Chloride	ND	ND	ND	1.7	57
Methylene Chloride	ND	5.8	ND	630	21000

Acetone	65.9	138	35	NS	NS
Benzene	0.57	8.1	0.41J	3.6	120
2-Butanone (MEK)	22	9	8.8	NS	NS
Carbon disulfide	ND	1.1	ND	NS	NS
Carbon tetrachloride	0.52J	ND	0.46J	4.7	160
Chloroform	ND	0.51J	ND	1.2	40
Chloromethane	1.3	ND	1.1	94	3100
Cyclohexane	0.74J	36	1.5	NS	NS
Dichlorodifluoromethane	1.6	23.8	1.7J	100	3300
1,4-Dichlorobenzene	ND	20.1	23.7	NS	NS
Ethanol	34.2	7.4	17.7	NS	NS
Ethyl acetate	ND	1.8	ND	NS	NS
Ethylbenzene	ND	9.8	3.5	11	370
4-Ethyltoluene	ND	4.5	4.7	NS	NS
n-Heptane	1.9	30.2	1.8J	NS	NS
Hexachloro-1,3-butadiene	ND	1.9J	ND	NS	NS
n-Hexane	3.5	32.6	1.9	NS	NS
2-Hexanone	7	ND	2.8J	NS	NS
Naphthalene	1.9J	19	17.5	0.83	28
2-Propanol	8.6	7.1	4.9	NS	NS
Propylene	ND	ND	5.3	NS	NS
Styrene	ND	2	2.4	NS	NS
Tetrahydrofuran	0.49J	ND	0.70J	NS	NS
Toluene	1.4	37	9.8	5200	170000
Trichlorofluoromethane	1.3J	1.5J	1.3J	NS	NS
1,1,2-Trichlorotrifluoroethane	0.55J	5.3	0.58J	NS	NS
1,2,4-Trimethylbenzene	ND	16.6	14.9	63	2100
1,3,5-Trimethylbenzene	ND	4.6	3.6	63	2100
Vinyl acetate	6.1	ND	1.5	NS	NS
m&p-Xylene	ND	30.4	18.1	100	3300
o-Xylene	ND	13.2	6.3	100	3300

ND - Not detected above laboratory method detection limit (MDL)

NS - No standard

J - Detection above laboratory MDL but below limit of quantitation

APPENDIX A
STANDARD METHODOLOGIES

Geoprobe Soil Sampling Methodologies

Standard Geoprobe sampling techniques (ASTM Standard D-1586-87) were utilized. The soil sampler was driven a distance of 48 inches to obtain a 48-inch core sample. Soil samples were examined and classified in general accordance with the United Soil Classification System (USCS) on the basis of grain size, color, texture, and plasticity and information was recorded on Soil Boring Logs (WDNR Form 4400-122). Head space analysis was also performed on a portion of each sample by placing a portion of the sample into a sealed container, allowing the container to equilibrate to approximately 70 °F, and then screening the sample with a Photoionization Detector (PID) or Organic Vapor Monitor (OVM).

In general, the sample interval exhibiting the highest PID or OVM value from each soil boring was submitted for laboratory analysis to identify the maximum concentration of soil impacts. In sample intervals exhibiting lower or non-detectable values, samples were submitted to delineate the boundaries of impacted soils. Samples collected from the bottom of the borehole and/or the groundwater interface zone may be submitted for laboratory analysis to identify the vertical extent of soil impacts.

Standard protocol for decontamination was used on all drilling equipment. This included steam cleaning or washing (with all Alconox soap solution and rinsed with clean tap water) down-hole equipment between borings.

Soil borings were abandoned with bentonite chips. Borehole Abandonment Forms (WDNR Form 3300-5B) are included with the appendices. If temporary monitoring wells were installed, construction details are presented in the report and/or Soil Boring Logs.

All auger spoil was placed in 55-gallon Department of Transportation (DOT) steel drums, labeled, sealed, and temporarily stored on-site pending disposal arrangements.

Soil Sampling Methodologies

Standard split-spoon sampling techniques (ASTM Standard D-1586-87) were utilized. The two-inch outside diameter split-spoon sampler was driven a distance of 24 inches below the lead auger by means of a 140 pound hammer free falling 30 inches. The standard penetration resistance (nominal value) was obtained by counting the number of hammer blows over the final 12 inches of sampler advancement. This value provides a quantitative, in-place relative density of granular soils. The value is quantitative only, since many factors can significantly affect the standard penetration value. Direct correlation of the results obtained by the field personnel using different drill rigs, drilling procedures, and hammer-rod-spoon assemblies should not be made.

Soil samples were examined and classified in general accordance with the United Soil Classification System (USCS) on the basis of grain size, color, texture, and plasticity and information was recorded on Soil Boring Logs (WDNR Form 4400-122). Head space analysis was also performed on a portion of each sample by placing a portion of the sample into a sealed container, allowing the container to equilibrate to approximately 70 °F, and then screening the sample with a Photoionization Detector (PID) or Organic Vapor Monitor (OVM).

In general, the sample interval exhibiting the highest PID or OVM value from each soil boring was submitted for laboratory analysis to identify the maximum concentration of soil impacts. In sample intervals exhibiting lower or non-detectable values, samples were submitted to delineate the boundaries of impacted soils. Samples collected from the bottom of the borehole and/or the groundwater interface zone may be submitted for laboratory analysis to identify the vertical extent of soil impacts.

Standard protocol for decontamination was used on all drilling equipment. This included steam cleaning all down-hole equipment between borings with special emphasis on split-spoon samplers. Between each boring, the split-spoon samplers were also sprayed with hexane and triple rinsed with deionized water. Between each sampling interval, the split-spoon samplers were washed in an Alconox soap solution and rinsed with cleantap water.

Soil borings not converted into monitoring wells were abandoned with bentonite chips. Borehole Abandonment Forms (WDNR Form 3300-5B) are included with the appendices.

All auger spoil was placed in 55-gallon Department of Transportation (DOT) steel drums, labeled, sealed, and temporarily stored on-site pending disposal arrangements.

Monitoring Well Installation Methodologies

Groundwater monitoring wells were constructed of two-inch inside diameter Schedule 40 PVC casing, coupled to 10- or 15-foot sections of 0.010 inch factory slotted PVC well screen. Casing and screen was field assembled from hermetically sealed packages to ensure well integrity. The wells were installed with the screened interval intersecting the water table to determine groundwater quality and provide groundwater flow direction information.

The wells were completed in accordance with Wisconsin Administrative Code, Chapter NR 141 (NR 141) "Groundwater Monitoring Well Requirements." The wells were constructed within the 4¼-inch I.D. hollow stem augers. The position of the filter pack, filter pack seal, annular space seal, and surface seal were confirmed by measuring with a weighted measuring tape. Monitoring Well Construction Diagrams (WDNR Form 4400-113A) were completed for each well.

Following the complete removal of the auger, a watertight locking flush-mount protective cover was cemented over the PVC well. In addition, an expandable watertight locking cap was placed inside the well casing and sealed. In areas where vehicular traffic is not present, above grade well protectors may be used and cemented in place.

Groundwater Sampling Methodologies

Each monitoring well was developed to remove fine sediment in the well and filter pack. Proper development minimized plugging of the well screen and ensured that groundwater entering the well was representative of on-site groundwater quality. The wells were developed in accordance with NR 141. Monitoring Well Development Forms (WDNR Form 4400-113B) and field sampling forms were completed for each well.

After well development, decontaminated Teflon bailers, new disposable bailers, or new tubing with a peristaltic pump were used to purge three well volumes from each monitoring well. Development and purge water was containerized in DOT approved 55-gallon drums and transported off site for proper disposal.

Following the purging of the wells, groundwater samples were collected using a Teflon bailer, new disposable bailer, or new tubing with a peristaltic pump. The groundwater samples were transferred from the bailer equipped with a bottom-emptying device into 40- milliliter glass vials for VOC analysis (or other laboratory-supplied containers for the requisite analytical parameters). The containers were placed in a cooler with ice, accompanied with a Chain-of-Custody document, and transported to an environmental laboratory for analysis.

All reusable equipment used during development, purging, and sampling of the wells was decontaminated using the following procedure: double Alconox soap wash, triple tapwater rinse, and triple deionized water rinse. Additionally, new bailer rope was used for each monitoring well.

Trip and field blanks were included in the groundwater sampling program. The blanks are used as an indicator to determine if any contaminants have infiltrated the sample during transportation or during field procedures. Additionally, duplicate groundwater samples were collected to measure laboratory precision. The laboratory was not informed of the location/ source of the duplicate samples.

Water used for trip blanks was obtained from the laboratory and water used for field blanks was obtained from a deionized water filter system. Trip blanks were pre-filled by the laboratory and were kept with the sample containers in coolers during transportation. Field blank samples were poured through a decontaminated bailer into 40- milliliter vials at the last well of the day.

Static Water Methodologies

Static water levels were measured to determine the direction and gradient of groundwater flow, and to monitor seasonal variations of the water table. The data was collected using an electronic water level indicator (WLI) or interface probe (IP). The WLI measures depth to water, while the IP measures depth to water and determines if free produce is present on the phreatic surface (water table). Proper decontamination procedures, previously described, were adhered to.

The monitoring well top of casing elevations were professionally surveyed to vertical accuracy of ± 0.01 feet, and a horizontal accuracy of at least 1.0 feet. Elevations were referenced to a USGS Datum Mean Sea Level (MSL). Depths to groundwater measurements were referenced to the surveyed well casing elevations to determine groundwater flow directions, gradients, and seasonal fluctuations.

APPENDIX B

SOIL BORING LOGS

BOREHOLE ABANDONMENT FORMS

MONITORING WELL CONSTRUCTION FORMS

MONITORING WELL DEVELOPMENT

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

Page ____ of ____

Facility/Project Name 7 South 2nd Ave			License/Permit/Monitoring Number		Boring Number GP- /
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil & Sample			Date Drilling Started 08 04 2015 m m / d d / y y y y	Date Drilling Completed 08 04 2015 m m / d d / y y y y	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane _____ N, _____ E			Lat _____ ' "	<input type="checkbox"/> N <input type="checkbox"/> E	
_____ 1/4 of _____ 1/4 of Section _____, T _____ N, R _____			Long _____ ' "	Feet <input type="checkbox"/> S _____ Feet <input type="checkbox"/> W	
Facility ID 7 South 2nd Avenue		County Door	County Code 1 5	Civil Town/City/ or Village City of Sturgeon Bay	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
S-1			0 1	6" Topsoil br Sand + gravel	TO Sg	oo									odor NO
S-2	12		2 3	" "	Sg	oo									
S-3	12		4 5	1+ br Sand-m	S	oo									
S-4	12		6 7	" "	S	oo									
S-5	24		8 9	Sand + gravel mix	Sg	oo									
S-6	24		10 11		Sg	oo									
S-7	24		12 13		Sg	oo									
S-8	20		14 15		Sg	oo									
S-9	12		16 17		Sg	oo									
S-10	12		18 19		Sg	oo									

EOB @ 20'

219' VOCs
Temporary boring set

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

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

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

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: Phase II ESA

1. Well Location Information **2. Facility / Owner Information**

County	WI Unique Well # of Removed Well	Hicap #	Facility Name
Door			7 South 2nd Avenue
Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)		Facility ID (FID or PWS)
_____ ° _____ ' N			License/Permit/Monitoring #
_____ ° _____ ' W			GP-
1/4 1/4	Section	Township	Original Well Owner
or Gov't Lot #		Range	
		<input type="checkbox"/> E	
		<input type="checkbox"/> W	Present Well Owner
Well Street Address	Mailing Address of Present Owner		
7 South 2nd Avenue			
Well City, Village or Town	Well ZIP Code	City of Present Owner	
City of Sturgeon Bay	54235	State	ZIP Code
Subdivision Name	Lot #		

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service	WI Unique Well # of Replacement Well	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Temporary		Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Original Construction Date (mm/dd/yyyy)		Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
08/04/2015		Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
If a Well Construction Report is available, please attach.		Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Did sealing material rise to surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Required Method of Placing Sealing Material	
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
20'	2in	<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	Sealing Materials	
2		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
Was well annular space grouted?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
If yes, to what depth (feet)?	Depth to Water (feet)	For Monitoring Wells and Monitoring Well Boreholes Only:	
	19'	<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> 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
3/8 inch chipped bentonite	Surface	20	0.8	100% Bentonite

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	Date Received	Noted By
Chad M Fradette	892926	08/04/2015		
Street or Route	Telephone Number	Comments		
211 N Broadway Suite 114	(920) 569-5765			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Green Bay	WI	54303	<i>Chad M Fradette</i>	8-12-15

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

Page _____ of _____

Facility/Project Name 7 South 2nd Ave		License/Permit/Monitoring Number		Boring Number GP- Z	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil & Sample		Date Drilling Started 08/04/2015	Date Drilling Completed 08/04/2015	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane N, E			Lat 0' "		
1/4 of 1/4 of Section, T N, R			Long 0' "		
Facility ID 7 South 2nd Avenue		County Door	County Code 1 5	Civil Town/City/ or Village City of Sturgeon Bay	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
S-1	12		0 1	6" Topsoil br Sand & gravel	TO Sg	oo									N6 ood
S-2	12		2 3		Sg	oo									
S-3	2		4 5		Sg	oo									
S-4	4		6 7		Sg	oo									
S-5	4		8 9		Sg	oo									
S-6	4		10 11		Sg	oo									
S-7	-		12 13	Rocks											
S-8	-		14 15	Rocks EOR @ 16'											GW VOL

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

Signature <i>Darrin Prentice</i>	Firm Mach IV Engineering and Surveying
-------------------------------------	---

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

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Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: Phase II ESA

1. Well Location Information **2. Facility / Owner Information**

County	WI Unique Well # of Removed Well	Hicap #	Facility Name
Door			7 South 2nd Avenue
Latitude / Longitude (Degrees and Minutes)	Method Code (see instructions)		Facility ID (FID or PWS)
_____ ° _____ ' N			License/Permit/Monitoring #
_____ ° _____ ' W			GP- 2
1/4 1/4	Section	Township	Original Well Owner
or Gov't Lot #		Range	
		<input type="checkbox"/> E	
		<input type="checkbox"/> W	Present Well Owner
Well Street Address	Well ZIP Code		Mailing Address of Present Owner
7 South 2nd Avenue	54235		
Well City, Village or Town	City of Present Owner		State
City of Sturgeon Bay			ZIP Code
Subdivision Name	Lot #		

3. Well / Drillhole / Borehole Information **4. Pump, Liner, Screen, Casing & Sealing Material**

Reason For Removal From Service	WI Unique Well # of Replacement Well	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Temporary		Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
3. Well / Drillhole / Borehole Information		Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)	Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	08/04/2015	Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.	Did sealing material rise to surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

Formation Type:	Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____
16'	2in	
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	Sealing Materials
2		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "
If yes, to what depth (feet)?	Depth to Water (feet)	<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips
	15'	For Monitoring Wells and Monitoring Well Boreholes Only:
		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> 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
3/8 inch chipped bentonite	Surface	16	0.6	100% Bentonite

6. Comments

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	Date Received	Noted By
Chad M Fradette	892926	08/04/2015		
Street or Route	Telephone Number		Comments	
211 N Broadway Suite 114	(920) 569-5765			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Green Bay	WI	54303		8-12-15

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

Page ____ of ____

Facility/Project Name 7 South 2nd Ave		License/Permit/Monitoring Number		Boring Number GP- 3	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Darrin Last Name: Prentice Firm: Geiss Soil & Sample		Date Drilling Started 0 8 / 0 4 / 2 0 1 5 m m / d d / y y y y	Date Drilling Completed 0 8 / 0 4 / 2 0 1 5 m m / d d / y y y y	Drilling Method Geoprobe	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 2 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane N, E		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of 1/4 of Section . T N, R		Lat 0 ' "		Long 0 ' "	
Facility ID 7 South 2nd Avenue	County Door	County Code 1 5	Civil Town/City/ or Village City of Sturgeon Bay		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
S-1			0 1	Dry Topsoil/gravel Cement slab - broken	Tog	0.80								No odor
S-2			2 3	Rocks & topsoil Brick chunks and debris Fill Soils	TO F0	80							VOC	↓
S-3				EOB @ 2.5'										
S-4														
S-5														
S-6														
S-7														
S-8														

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

Signature  Firm Mach IV Engineering and Surveying

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

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Verification Only of Fill and Seal

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

1. Well Location Information			2. Facility / Owner Information		
County	WI Unique Well # of Removed Well	Hicap #	Facility Name		
Door			7 South 2nd Avenue		
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)	Facility ID (FID or PWS)		
_____ ° _____ ' N			License/Permit/Monitoring #		
_____ ° _____ ' W			GP- 3		
1/4 / 1/4	1/4	Section	Township	Range	Original Well Owner
			N	<input type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address			Mailing Address of Present Owner		
7 South 2nd Avenue					
Well City, Village or Town		Well ZIP Code	City of Present Owner		
City of Sturgeon Bay		54235	State	ZIP Code	
Subdivision Name		Lot #			
Reason For Removal From Service		WI Unique Well # of Replacement Well			

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material	
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	08/04/2015	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.	Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Dug	Did sealing material rise to surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Formation Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)	If bentonite chips were used, were they hydrated with water from a known safe source?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2.5	2in	Required Method of Placing Sealing Material	
Lower Drillhole Diameter (in.)	Casing Depth (ft.)	<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
2		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Was well annular space grouted?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Sealing Materials	
If yes, to what depth (feet)?	Depth to Water (feet)	<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
		<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
		For Monitoring Wells and Monitoring Well Boreholes Only:	
		<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> 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
Surface	2.5	0.2	100% Bentonite
6. Comments			

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing (mm/dd/yyyy)	Date Received	Noted By
Chad M Fradette	892926	08/04/2015		
Street or Route	Telephone Number	Comments		
211 N Broadway Suite 114	(920) 569-5765			
City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Green Bay	WI	54303	<i>Chad M Fradette</i>	8-12-15

Location 7 S. 2nd Ave Sturgeon Bay 8-4-15Project / Client Baylake Bank

on-site 0830

debris in way

0900 - Begin on site

RL	sample	depth	description	PID	odor	lab
GP-1	S-1	0-2	6" topsoil br sand & gravel	N		
12	S-2	2-4	" "	0.0	N	
12	S-3	4-6	14 br sand-m	0.0	N	
12	S-4	6-8	" "	0.0	N	
24	S-5	8-10	sand & gravel mix	0.0	N	
24	S-6	10-12	" "	0.0	N	
24	S-7	12-14	" "	0.0	N	
20	S-8	14-16	" "	0.0	N	
12	S-9	16-18	" "	0.0	N	
12	S-10	18-20	at 19' by EOD at 20'	0.0	N	VOCs 0930

temp isoring placed to collect gas

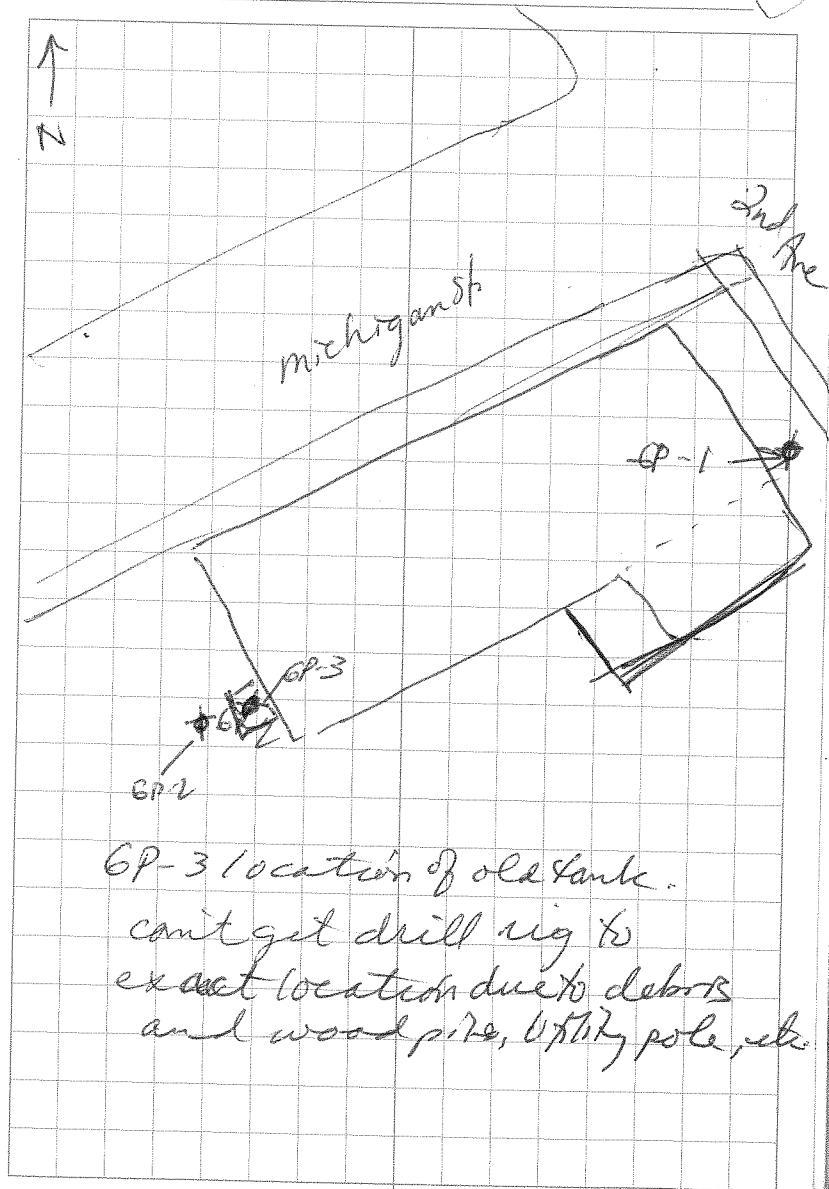
GP-1 sampled @ 0945

920-493-2912

Allen Walker

expedite samples

woodwalker@devis.com

Location 7 S. 2nd Ave Date 8-4-15 47Project / Client Sturgeon Bay WI

GP-3 location of old tank.

can't get drill rig to
exact location due to debris
and wood pile, utility pole, etc.

Location 7 S. 2nd AveDate 8-4-15Project / Client Sturgeon Bay WI

Location _____

Project / Client _____

rec	sample	depth	description	PID	odor	lab
GP-2						
12	S-1	0-2	6" topsoil	0.0	N	
12	S-2	2-4	br sand & gravel	0.0	N	
2	S-3	4-6	br sand & gravel	0.0	N	
4	S-4	6-8	" "	0.0	N	
4	S-5	8-10	" "	0.0	N	
4	S-6	10-12	" "	0.0	N	
-	S-7	12-14	rocks	-	-	
-	S-8	14-16	rocks	-	-	

temp well set @ 16' bop.

no soil sample

✓ @ 15' bop.

GW sample @ 10:35

GP-3 hand auger - can't get machine
there due to obstructions.S-1 0-1 dry! topsoil / gravel

1-1.5 cement slab broken.

S-2 1.5-2.5 rocks & topsoil

bride chambers and debris

fill soils

0.0 N VOCs

GP-3, S-2

APPENDIX C
LABORATORY ANALYTICAL REPORTS

August 10, 2015

Chad Fradette
Mach IV Engineering & Surveying
211 N. Broadway
Suite 114
Green Bay, WI 54303

RE: Project: 0969-01-15 7 S. 2ND AVE
Pace Project No.: 40119123

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 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,



Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

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

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SAMPLE SUMMARY

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40119123001	GP-1, S-10	Solid	08/04/15 09:30	08/04/15 12:25
40119123002	GP-1	Water	08/04/15 09:45	08/04/15 12:25
40119123003	GP-2	Water	08/04/15 10:35	08/04/15 12:25
40119123004	GP-3, S-2	Solid	08/04/15 10:30	08/04/15 12:25
40119123005	GP-1, S-20	Solid	08/04/15 00:00	08/04/15 12:25

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SAMPLE ANALYTE COUNT

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40119123001	GP-1, S-10	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40119123002	GP-1	EPA 8260	LAP	64	PASI-G
40119123003	GP-2	EPA 8260	LAP	64	PASI-G
40119123004	GP-3, S-2	EPA 8260	HNW	64	PASI-G
40119123005	GP-1, S-20	EPA 8260	HNW	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G

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PROJECT NARRATIVE

Project: 0969-01-15 7 S. 2ND AVE
Pace Project No.: 40119123

Method: EPA 8260
Description: 8260 MSV Med Level Normal List
Client: Mach IV Engineering
Date: August 10, 2015

General Information:

3 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/29680

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40119123001

R1: RPD value was outside control limits.

- MSD (Lab ID: 1202471)
 - 1,1,1-Trichloroethane
 - 1,2-Dichloroethane
 - 1,2-Dichloropropane
 - Bromodichloromethane
 - Carbon tetrachloride
 - Chlorobenzene
 - Chloromethane
 - Dibromochloromethane
 - Dichlorodifluoromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 0969-01-15 7 S. 2ND AVE
Pace Project No.: 40119123

Method: EPA 8260
Description: 8260 MSV Med Level Normal List
Client: Mach IV Engineering
Date: August 10, 2015

QC Batch: MSV/29680

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40119123001

R1: RPD value was outside control limits.

- Ethylbenzene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Styrene
- Toluene
- Vinyl chloride
- cis-1,3-Dichloropropene
- o-Xylene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

Additional Comments:

Analyte Comments:

QC Batch: MSV/29680

1q: Sample aliquot was taken from 4 oz poly dry weight container with head space and MeOH preserved in the laboratory.

- GP-1, S-10 (Lab ID: 40119123001)
 - Dibromofluoromethane (S)
- MS (Lab ID: 1202470)
 - Dibromofluoromethane (S)
- MSD (Lab ID: 1202471)
 - Dibromofluoromethane (S)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 0969-01-15 7 S. 2ND AVE
Pace Project No.: 40119123

Method: EPA 8260
Description: 8260 MSV
Client: Mach IV Engineering
Date: August 10, 2015

General Information:

2 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.

QC Batch: MSV/29676

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 1202427)
- Bromoform

Matrix Spikes:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-1, S-10 **Lab ID: 40119123001** Collected: 08/04/15 09:30 Received: 08/04/15 12:25 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-27-4	R1,W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/05/15 07:00	08/05/15 19:16	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	56-23-5	R1,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-90-7	R1,W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/05/15 07:00	08/05/15 19:16	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/05/15 07:00	08/05/15 19:16	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	74-87-3	R1,W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/05/15 07:00	08/05/15 19:16	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	124-48-1	R1,W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-71-8	R1,W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	107-06-2	R1,W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	156-60-5	R1,W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	78-87-5	R1,W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	10061-01-5	R1,W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	10061-02-6	R1,W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	100-41-4	R1,W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	98-82-8	R1,W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	1634-04-4	R1,W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/05/15 07:00	08/05/15 19:16	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	100-42-5	R1,W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-1, S-10 **Lab ID: 40119123001** Collected: 08/04/15 09:30 Received: 08/04/15 12:25 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-88-3	R1,W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/05/15 07:00	08/05/15 19:16	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	71-55-6	R1,W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	75-01-4	R1,W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/05/15 07:00	08/05/15 19:16	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 19:16	95-47-6	R1,W
Surrogates									
Dibromofluoromethane (S)	91	%	49-157		1	08/05/15 07:00	08/05/15 19:16	1868-53-7	1q
Toluene-d8 (S)	96	%	61-148		1	08/05/15 07:00	08/05/15 19:16	2037-26-5	
4-Bromofluorobenzene (S)	81	%	53-134		1	08/05/15 07:00	08/05/15 19:16	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture **13.9** % 0.10 0.10 1 08/04/15 16:22

Sample: GP-1 **Lab ID: 40119123002** Collected: 08/04/15 09:45 Received: 08/04/15 12:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/05/15 16:19	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/05/15 16:19	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/05/15 16:19	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/05/15 16:19	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/05/15 16:19	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/05/15 16:19	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	74-87-3	

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-1 **Lab ID: 40119123002** Collected: 08/04/15 09:45 Received: 08/04/15 12:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/05/15 16:19	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/05/15 16:19	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/05/15 16:19	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/05/15 16:19	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/05/15 16:19	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/05/15 16:19	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/05/15 16:19	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/05/15 16:19	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/05/15 16:19	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/05/15 16:19	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/05/15 16:19	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/05/15 16:19	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/05/15 16:19	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/05/15 16:19	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/05/15 16:19	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/05/15 16:19	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		08/05/15 16:19	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/05/15 16:19	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/05/15 16:19	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/05/15 16:19	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/05/15 16:19	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/05/15 16:19	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/05/15 16:19	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/05/15 16:19	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/05/15 16:19	179601-23-1	

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-1 **Lab ID: 40119123002** Collected: 08/04/15 09:45 Received: 08/04/15 12:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/05/15 16:19	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		08/05/15 16:19	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/05/15 16:19	2037-26-5	

Sample: GP-2 **Lab ID: 40119123003** Collected: 08/04/15 10:35 Received: 08/04/15 12:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		08/05/15 16:41	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		08/05/15 16:41	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	75-25-2	L2
Bromomethane	<2.4	ug/L	5.0	2.4	1		08/05/15 16:41	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		08/05/15 16:41	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		08/05/15 16:41	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		08/05/15 16:41	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		08/05/15 16:41	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		08/05/15 16:41	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		08/05/15 16:41	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		08/05/15 16:41	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		08/05/15 16:41	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		08/05/15 16:41	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		08/05/15 16:41	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/05/15 16:41	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		08/05/15 16:41	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		08/05/15 16:41	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		08/05/15 16:41	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		08/05/15 16:41	563-58-6	

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-2 **Lab ID: 40119123003** Collected: 08/04/15 10:35 Received: 08/04/15 12:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		08/05/15 16:41	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		08/05/15 16:41	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		08/05/15 16:41	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		08/05/15 16:41	75-09-2	
Methyl-tert-butyl ether	0.28J	ug/L	1.0	0.17	1		08/05/15 16:41	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/05/15 16:41	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		08/05/15 16:41	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		08/05/15 16:41	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		08/05/15 16:41	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		08/05/15 16:41	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		08/05/15 16:41	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/05/15 16:41	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		08/05/15 16:41	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/05/15 16:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/05/15 16:41	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		08/05/15 16:41	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/05/15 16:41	2037-26-5	

Sample: GP-3, S-2 **Lab ID: 40119123004** Collected: 08/04/15 10:30 Received: 08/04/15 12:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-25-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-3, S-2 Lab ID: 40119123004 Collected: 08/04/15 10:30 Received: 08/04/15 12:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Bromomethane	<69.9	ug/kg	250	69.9	1	08/05/15 07:00	08/05/15 12:51	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/05/15 07:00	08/05/15 12:51	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/05/15 07:00	08/05/15 12:51	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/05/15 07:00	08/05/15 12:51	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	1634-04-4	W
Naphthalene	77.1J	ug/kg	250	40.0	1	08/05/15 07:00	08/05/15 12:51	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	79-34-5	W
Tetrachloroethene	297	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	127-18-4	
Toluene	55.6J	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	87-61-6	W

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-3, S-2 **Lab ID: 40119123004** Collected: 08/04/15 10:30 Received: 08/04/15 12:25 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/05/15 07:00	08/05/15 12:51	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	96-18-4	W
1,2,4-Trimethylbenzene	37.6J	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	75-01-4	W
m&p-Xylene	74.9J	ug/kg	120	50.0	1	08/05/15 07:00	08/05/15 12:51	179601-23-1	
o-Xylene	49.5J	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 12:51	95-47-6	
Surrogates									
Dibromofluoromethane (S)	111	%	49-157		1	08/05/15 07:00	08/05/15 12:51	1868-53-7	
Toluene-d8 (S)	112	%	61-148		1	08/05/15 07:00	08/05/15 12:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	53-134		1	08/05/15 07:00	08/05/15 12:51	460-00-4	

Sample: GP-1, S-20 **Lab ID: 40119123005** Collected: 08/04/15 00:00 Received: 08/04/15 12:25 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/05/15 07:00	08/05/15 13:14	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/05/15 07:00	08/05/15 13:14	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/05/15 07:00	08/05/15 13:14	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/05/15 07:00	08/05/15 13:14	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	541-73-1	W

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE
Pace Project No.: 40119123

Sample: GP-1, S-20 **Lab ID: 40119123005** Collected: 08/04/15 00:00 Received: 08/04/15 12:25 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/05/15 07:00	08/05/15 13:14	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/05/15 07:00	08/05/15 13:14	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/05/15 07:00	08/05/15 13:14	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/05/15 07:00	08/05/15 13:14	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	49-157		1	08/05/15 07:00	08/05/15 13:14	1868-53-7	
Toluene-d8 (S)	102	%	61-148		1	08/05/15 07:00	08/05/15 13:14	2037-26-5	
4-Bromofluorobenzene (S)	88	%	53-134		1	08/05/15 07:00	08/05/15 13:14	460-00-4	

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ANALYTICAL RESULTS

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Sample: GP-1, S-20 **Lab ID: 40119123005** Collected: 08/04/15 00:00 Received: 08/04/15 12:25 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	2.9	%	0.10	0.10	1		08/04/15 16:22		

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QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

QC Batch:	MSV/29680	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
Associated Lab Samples:	40119123001, 40119123004, 40119123005		

METHOD BLANK: 1202467 Matrix: Solid

Associated Lab Samples: 40119123001, 40119123004, 40119123005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/05/15 09:25	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/05/15 09:25	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/05/15 09:25	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/05/15 09:25	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/05/15 09:25	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/05/15 09:25	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/05/15 09:25	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/05/15 09:25	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/05/15 09:25	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/05/15 09:25	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/05/15 09:25	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/05/15 09:25	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/05/15 09:25	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/05/15 09:25	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/05/15 09:25	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/05/15 09:25	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/05/15 09:25	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/05/15 09:25	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/05/15 09:25	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/05/15 09:25	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/05/15 09:25	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/05/15 09:25	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/05/15 09:25	
Benzene	ug/kg	<9.2	20.0	08/05/15 09:25	
Bromobenzene	ug/kg	<20.6	50.0	08/05/15 09:25	
Bromochloromethane	ug/kg	<21.4	50.0	08/05/15 09:25	
Bromodichloromethane	ug/kg	<9.8	50.0	08/05/15 09:25	
Bromoform	ug/kg	<19.8	50.0	08/05/15 09:25	
Bromomethane	ug/kg	<69.9	250	08/05/15 09:25	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/05/15 09:25	
Chlorobenzene	ug/kg	<14.8	50.0	08/05/15 09:25	
Chloroethane	ug/kg	<67.0	250	08/05/15 09:25	
Chloroform	ug/kg	<46.4	250	08/05/15 09:25	
Chloromethane	ug/kg	<20.4	50.0	08/05/15 09:25	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/05/15 09:25	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/05/15 09:25	
Dibromochloromethane	ug/kg	<17.9	50.0	08/05/15 09:25	
Dibromomethane	ug/kg	<19.3	50.0	08/05/15 09:25	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/05/15 09:25	
Diisopropyl ether	ug/kg	<17.7	50.0	08/05/15 09:25	
Ethylbenzene	ug/kg	<12.4	50.0	08/05/15 09:25	

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

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QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

METHOD BLANK: 1202467

Matrix: Solid

Associated Lab Samples: 40119123001, 40119123004, 40119123005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	40.9J	50.0	08/05/15 09:25	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/05/15 09:25	
m&p-Xylene	ug/kg	<34.4	100	08/05/15 09:25	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/05/15 09:25	
Methylene Chloride	ug/kg	<16.2	50.0	08/05/15 09:25	
n-Butylbenzene	ug/kg	21.5J	50.0	08/05/15 09:25	
n-Propylbenzene	ug/kg	<11.6	50.0	08/05/15 09:25	
Naphthalene	ug/kg	<40.0	250	08/05/15 09:25	
o-Xylene	ug/kg	<14.0	50.0	08/05/15 09:25	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/05/15 09:25	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/05/15 09:25	
Styrene	ug/kg	<9.0	50.0	08/05/15 09:25	
tert-Butylbenzene	ug/kg	13.5J	50.0	08/05/15 09:25	
Tetrachloroethene	ug/kg	<12.9	50.0	08/05/15 09:25	
Toluene	ug/kg	<11.2	50.0	08/05/15 09:25	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/05/15 09:25	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/05/15 09:25	
Trichloroethene	ug/kg	<23.6	50.0	08/05/15 09:25	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/05/15 09:25	
Vinyl chloride	ug/kg	<21.1	50.0	08/05/15 09:25	
4-Bromofluorobenzene (S)	%	98	53-134	08/05/15 09:25	
Dibromofluoromethane (S)	%	110	49-157	08/05/15 09:25	
Toluene-d8 (S)	%	113	61-148	08/05/15 09:25	

LABORATORY CONTROL SAMPLE & LCSD: 1202468

1202469

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	2490	2350	99	94	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2390	2380	95	95	70-130	0	20	
1,1,2-Trichloroethane	ug/kg	2500	2600	2660	104	106	70-130	2	20	
1,1-Dichloroethane	ug/kg	2500	2520	2430	101	97	70-130	4	20	
1,1-Dichloroethene	ug/kg	2500	2400	2380	96	95	70-132	1	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2410	2630	96	105	70-130	9	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1970	2070	79	83	45-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2840	2860	113	114	70-130	1	20	
1,2-Dichlorobenzene	ug/kg	2500	2580	2650	103	106	70-130	3	20	
1,2-Dichloroethane	ug/kg	2500	2710	2580	109	103	70-134	5	20	
1,2-Dichloropropane	ug/kg	2500	2770	2740	111	110	70-130	1	20	
1,3-Dichlorobenzene	ug/kg	2500	2460	2470	99	99	70-130	0	20	
1,4-Dichlorobenzene	ug/kg	2500	2590	2630	103	105	70-130	2	20	
Benzene	ug/kg	2500	2540	2460	102	98	70-130	3	20	
Bromodichloromethane	ug/kg	2500	2620	2630	105	105	70-130	0	20	
Bromoform	ug/kg	2500	2680	2910	107	116	48-130	8	20	
Bromomethane	ug/kg	2500	2190	2400	88	96	70-169	9	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

LABORATORY CONTROL SAMPLE & LCSD:		1202468		1202469							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Carbon tetrachloride	ug/kg	2500	2440	2290	98	91	67-130	7	20		
Chlorobenzene	ug/kg	2500	2680	2690	107	107	70-130	0	20		
Chloroethane	ug/kg	2500	2530	2310	101	92	70-191	9	20		
Chloroform	ug/kg	2500	2480	2430	99	97	70-130	2	20		
Chloromethane	ug/kg	2500	2520	2480	101	99	52-132	2	20		
cis-1,2-Dichloroethene	ug/kg	2500	2370	2390	95	96	70-130	1	20		
cis-1,3-Dichloropropene	ug/kg	2500	2660	2590	106	103	70-130	3	20		
Dibromochloromethane	ug/kg	2500	2660	2770	106	111	65-130	4	20		
Dichlorodifluoromethane	ug/kg	2500	2120	1910	85	76	12-150	10	20		
Ethylbenzene	ug/kg	2500	2630	2580	105	103	70-130	2	20		
Isopropylbenzene (Cumene)	ug/kg	2500	2610	2550	104	102	70-130	2	20		
m&p-Xylene	ug/kg	5000	5380	5200	108	104	70-130	3	20		
Methyl-tert-butyl ether	ug/kg	2500	2530	2440	101	98	70-130	3	20		
Methylene Chloride	ug/kg	2500	2480	2360	99	95	70-131	5	20		
o-Xylene	ug/kg	2500	2550	2510	102	101	70-130	2	20		
Styrene	ug/kg	2500	2590	2600	103	104	70-130	0	20		
Tetrachloroethene	ug/kg	2500	2930	3040	117	122	70-130	4	20		
Toluene	ug/kg	2500	2630	2670	105	107	70-130	1	20		
trans-1,2-Dichloroethene	ug/kg	2500	2410	2370	96	95	69-130	2	20		
trans-1,3-Dichloropropene	ug/kg	2500	2620	2640	105	105	65-130	0	20		
Trichloroethene	ug/kg	2500	2510	2510	101	100	70-130	0	20		
Trichlorofluoromethane	ug/kg	2500	2550	2240	102	90	50-150	13	20		
Vinyl chloride	ug/kg	2500	2460	2290	98	92	67-134	7	20		
4-Bromofluorobenzene (S)	%				99	96	53-134				
Dibromofluoromethane (S)	%				112	103	49-157				
Toluene-d8 (S)	%				109	109	61-148				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1202470		1202471							
Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40119123001 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1-Trichloroethane	ug/kg	<25.0	2900	2900	2560	2070	88	71	63-130	21	20 R1
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	2900	2900	2340	2020	81	70	57-136	15	20
1,1,2-Trichloroethane	ug/kg	<25.0	2900	2900	2720	2230	94	77	70-130	20	20
1,1-Dichloroethane	ug/kg	<25.0	2900	2900	2560	2110	88	73	62-131	19	23
1,1-Dichloroethene	ug/kg	<25.0	2900	2900	2290	1890	79	65	42-137	19	20
1,2,4-Trichlorobenzene	ug/kg	<47.6	2900	2900	2670	2440	92	84	59-137	9	21
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	2900	2900	2030	1670	70	57	33-150	20	25
1,2-Dibromoethane (EDB)	ug/kg	<25.0	2900	2900	2830	2410	97	83	70-130	16	20
1,2-Dichlorobenzene	ug/kg	<25.0	2900	2900	2750	2320	95	80	70-130	17	20
1,2-Dichloroethane	ug/kg	<25.0	2900	2900	2730	2210	94	76	68-134	21	20 R1
1,2-Dichloropropane	ug/kg	<25.0	2900	2900	2860	2290	98	79	70-130	22	20 R1
1,3-Dichlorobenzene	ug/kg	<25.0	2900	2900	2600	2160	89	75	70-130	18	20
1,4-Dichlorobenzene	ug/kg	<25.0	2900	2900	2760	2360	95	81	69-130	15	20

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QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1202470		1202471		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40119123001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Benzene	ug/kg	<25.0	2900	2900	2540	2150	87	74	56-131	17	20		
Bromodichloromethane	ug/kg	<25.0	2900	2900	2700	2190	93	75	64-130	21	20	R1	
Bromoform	ug/kg	<25.0	2900	2900	2750	2330	95	80	48-130	17	20		
Bromomethane	ug/kg	<69.9	2900	2900	2470	1980	85	68	18-169	22	23		
Carbon tetrachloride	ug/kg	<25.0	2900	2900	2490	1980	86	68	59-130	23	20	R1	
Chlorobenzene	ug/kg	<25.0	2900	2900	2790	2260	96	78	70-130	21	20	R1	
Chloroethane	ug/kg	<67.0	2900	2900	2340	2000	80	69	10-191	16	20		
Chloroform	ug/kg	<46.4	2900	2900	2520	2120	87	73	65-130	17	20		
Chloromethane	ug/kg	<25.0	2900	2900	2470	1960	85	67	36-132	23	20	R1	
cis-1,2-Dichloroethene	ug/kg	<25.0	2900	2900	2400	2050	83	71	59-136	16	24		
cis-1,3-Dichloropropene	ug/kg	<25.0	2900	2900	2670	2170	92	75	60-130	21	20	R1	
Dibromochloromethane	ug/kg	<25.0	2900	2900	2820	2270	97	78	59-130	22	20	R1	
Dichlorodifluoromethane	ug/kg	<25.0	2900	2900	1750	1320	60	45	10-150	28	27	R1	
Ethylbenzene	ug/kg	<25.0	2900	2900	2720	2180	94	75	64-130	22	20	R1	
Isopropylbenzene (Cumene)	ug/kg	<25.0	2900	2900	2770	2160	95	74	69-138	25	20	R1	
m&p-Xylene	ug/kg	<50.0	5810	5810	5510	4550	95	78	61-130	19	20		
Methyl-tert-butyl ether	ug/kg	<25.0	2900	2900	2480	2010	85	69	52-134	21	20	R1	
Methylene Chloride	ug/kg	<25.0	2900	2900	2470	2030	85	70	61-131	20	20		
o-Xylene	ug/kg	<25.0	2900	2900	2660	2120	92	73	63-130	22	20	R1	
Styrene	ug/kg	<25.0	2900	2900	2730	2170	94	75	70-130	23	20	R1	
Tetrachloroethene	ug/kg	<25.0	2900	2900	3170	2620	109	90	65-130	19	20		
Toluene	ug/kg	<25.0	2900	2900	2810	2270	97	78	65-130	21	20	R1	
trans-1,2-Dichloroethene	ug/kg	<25.0	2900	2900	2410	1930	83	66	55-130	22	20	R1	
trans-1,3-Dichloropropene	ug/kg	<25.0	2900	2900	2680	2160	92	74	54-130	22	20	R1	
Trichloroethene	ug/kg	<25.0	2900	2900	2630	2230	91	77	70-130	17	20		
Trichlorofluoromethane	ug/kg	<25.0	2900	2900	2430	1950	84	67	42-150	22	24		
Vinyl chloride	ug/kg	<25.0	2900	2900	2360	1850	81	64	35-134	24	20	R1	
4-Bromofluorobenzene (S)	%						86	85	53-134				
Dibromofluoromethane (S)	%						96	99	49-157				1q
Toluene-d8 (S)	%						100	99	61-148				

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QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

QC Batch: MSV/29676 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40119123002, 40119123003

METHOD BLANK: 1202426 Matrix: Water

Associated Lab Samples: 40119123002, 40119123003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	08/05/15 07:34	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	08/05/15 07:34	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	08/05/15 07:34	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	08/05/15 07:34	
1,1-Dichloroethane	ug/L	<0.24	1.0	08/05/15 07:34	
1,1-Dichloroethene	ug/L	<0.41	1.0	08/05/15 07:34	
1,1-Dichloropropene	ug/L	<0.44	1.0	08/05/15 07:34	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	08/05/15 07:34	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	08/05/15 07:34	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	08/05/15 07:34	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	08/05/15 07:34	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	08/05/15 07:34	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	08/05/15 07:34	
1,2-Dichloroethane	ug/L	<0.17	1.0	08/05/15 07:34	
1,2-Dichloropropane	ug/L	<0.23	1.0	08/05/15 07:34	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	08/05/15 07:34	
1,3-Dichloropropane	ug/L	<0.50	1.0	08/05/15 07:34	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	08/05/15 07:34	
2,2-Dichloropropane	ug/L	<0.48	1.0	08/05/15 07:34	
2-Chlorotoluene	ug/L	<0.50	1.0	08/05/15 07:34	
4-Chlorotoluene	ug/L	<0.21	1.0	08/05/15 07:34	
Benzene	ug/L	<0.50	1.0	08/05/15 07:34	
Bromobenzene	ug/L	<0.23	1.0	08/05/15 07:34	
Bromochloromethane	ug/L	<0.34	1.0	08/05/15 07:34	
Bromodichloromethane	ug/L	<0.50	1.0	08/05/15 07:34	
Bromoform	ug/L	<0.50	1.0	08/05/15 07:34	
Bromomethane	ug/L	<2.4	5.0	08/05/15 07:34	
Carbon tetrachloride	ug/L	<0.50	1.0	08/05/15 07:34	
Chlorobenzene	ug/L	<0.50	1.0	08/05/15 07:34	
Chloroethane	ug/L	<0.37	1.0	08/05/15 07:34	
Chloroform	ug/L	<2.5	5.0	08/05/15 07:34	
Chloromethane	ug/L	<0.50	1.0	08/05/15 07:34	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	08/05/15 07:34	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	08/05/15 07:34	
Dibromochloromethane	ug/L	<0.50	1.0	08/05/15 07:34	
Dibromomethane	ug/L	<0.43	1.0	08/05/15 07:34	
Dichlorodifluoromethane	ug/L	<0.22	1.0	08/05/15 07:34	
Diisopropyl ether	ug/L	<0.50	1.0	08/05/15 07:34	
Ethylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	

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QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

METHOD BLANK: 1202426

Matrix: Water

Associated Lab Samples: 40119123002, 40119123003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	08/05/15 07:34	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	08/05/15 07:34	
m&p-Xylene	ug/L	<1.0	2.0	08/05/15 07:34	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	08/05/15 07:34	
Methylene Chloride	ug/L	<0.23	1.0	08/05/15 07:34	
n-Butylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	
n-Propylbenzene	ug/L	<0.50	1.0	08/05/15 07:34	
Naphthalene	ug/L	<2.5	5.0	08/05/15 07:34	
o-Xylene	ug/L	<0.50	1.0	08/05/15 07:34	
p-Isopropyltoluene	ug/L	<0.50	1.0	08/05/15 07:34	
sec-Butylbenzene	ug/L	<2.2	5.0	08/05/15 07:34	
Styrene	ug/L	<0.50	1.0	08/05/15 07:34	
tert-Butylbenzene	ug/L	<0.18	1.0	08/05/15 07:34	
Tetrachloroethene	ug/L	<0.50	1.0	08/05/15 07:34	
Toluene	ug/L	<0.50	1.0	08/05/15 07:34	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	08/05/15 07:34	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	08/05/15 07:34	
Trichloroethene	ug/L	<0.33	1.0	08/05/15 07:34	
Trichlorofluoromethane	ug/L	<0.18	1.0	08/05/15 07:34	
Vinyl chloride	ug/L	<0.18	1.0	08/05/15 07:34	
4-Bromofluorobenzene (S)	%	98	70-130	08/05/15 07:34	
Dibromofluoromethane (S)	%	95	70-130	08/05/15 07:34	
Toluene-d8 (S)	%	101	70-130	08/05/15 07:34	

LABORATORY CONTROL SAMPLE & LCSD: 1202427

1202428

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.1	16.5	86	83	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	20	20.5	20.6	103	103	70-130	1	20	
1,1,2-Trichloroethane	ug/L	20	21.4	20.5	107	103	70-130	4	20	
1,1-Dichloroethane	ug/L	20	21.4	21.0	107	105	70-130	2	20	
1,1-Dichloroethene	ug/L	20	20.5	19.8	102	99	70-130	3	20	
1,2,4-Trichlorobenzene	ug/L	20	19.6	19.6	98	98	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	20	12.3	13.9	62	69	50-150	12	20	
1,2-Dibromoethane (EDB)	ug/L	20	20.4	20.1	102	100	70-130	1	20	
1,2-Dichlorobenzene	ug/L	20	20.3	20.8	102	104	70-130	2	20	
1,2-Dichloroethane	ug/L	20	21.9	21.6	110	108	70-131	2	20	
1,2-Dichloropropane	ug/L	20	20.7	20.5	103	103	70-130	1	20	
1,3-Dichlorobenzene	ug/L	20	20.1	20.6	100	103	70-130	3	20	
1,4-Dichlorobenzene	ug/L	20	20.4	20.5	102	102	70-130	1	20	
Benzene	ug/L	20	19.9	19.7	99	99	70-130	1	20	
Bromodichloromethane	ug/L	20	16.5	17.1	83	86	70-130	3	20	
Bromoform	ug/L	20	13.3	13.9	67	69	68-130	4	20	LO
Bromomethane	ug/L	20	14.3	14.4	72	72	38-137	1	20	

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QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Parameter	Units	LABORATORY CONTROL SAMPLE & LCSD: 1202427		1202428			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Carbon tetrachloride	ug/L	20	15.6	15.9	78	79	70-130	2	20	
Chlorobenzene	ug/L	20	20.5	20.5	103	102	70-130	0	20	
Chloroethane	ug/L	20	20.3	20.5	101	103	70-136	1	20	
Chloroform	ug/L	20	20.2	19.9	101	100	70-130	1	20	
Chloromethane	ug/L	20	17.5	16.9	88	84	48-144	4	20	
cis-1,2-Dichloroethene	ug/L	20	19.9	20.0	99	100	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	20	15.8	16.3	79	82	70-130	3	20	
Dibromochloromethane	ug/L	20	16.1	16.5	81	82	70-130	2	20	
Dichlorodifluoromethane	ug/L	20	13.7	13.4	68	67	33-157	2	20	
Ethylbenzene	ug/L	20	20.8	20.5	104	103	70-132	1	20	
Isopropylbenzene (Cumene)	ug/L	20	20.2	20.1	101	100	70-130	1	20	
m&p-Xylene	ug/L	40	41.4	41.0	103	103	70-131	1	20	
Methyl-tert-butyl ether	ug/L	20	20.3	20.3	102	102	48-141	0	20	
Methylene Chloride	ug/L	20	22.0	22.1	110	110	70-130	0	20	
o-Xylene	ug/L	20	20.3	19.6	101	98	70-131	3	20	
Styrene	ug/L	20	20.8	20.5	104	102	70-130	2	20	
Tetrachloroethene	ug/L	20	20.7	21.5	104	107	70-130	4	20	
Toluene	ug/L	20	21.2	20.3	106	101	70-130	4	20	
trans-1,2-Dichloroethene	ug/L	20	20.6	20.3	103	102	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	20	14.1	14.3	71	72	70-130	1	20	
Trichloroethene	ug/L	20	20.2	20.0	101	100	70-130	1	20	
Trichlorofluoromethane	ug/L	20	21.0	20.5	105	102	50-150	3	20	
Vinyl chloride	ug/L	20	18.3	17.6	92	88	65-142	4	20	
4-Bromofluorobenzene (S)	%				101	100	70-130			
Dibromofluoromethane (S)	%				99	98	70-130			
Toluene-d8 (S)	%				101	97	70-130			

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

QC Batch: PMST/11582

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40119123001, 40119123005

SAMPLE DUPLICATE: 1202394

Parameter	Units	60199062001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.3	5.2	1	10	

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

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QUALIFIERS

Project: 0969-01-15 7 S. 2ND AVE
Pace Project No.: 40119123

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

1q Sample aliquot was taken from 4 oz poly dry weight container with head space and MeOH preserved in the laboratory.
L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
R1 RPD value was outside control limits.
W Non-detect results are reported on a wet weight basis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 7 S. 2ND AVE

Pace Project No.: 40119123

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40119123001	GP-1, S-10	EPA 5035/5030B	MSV/29680	EPA 8260	MSV/29682
40119123004	GP-3, S-2	EPA 5035/5030B	MSV/29680	EPA 8260	MSV/29682
40119123005	GP-1, S-20	EPA 5035/5030B	MSV/29680	EPA 8260	MSV/29682
40119123002	GP-1	EPA 8260	MSV/29676		
40119123003	GP-2	EPA 8260	MSV/29676		
40119123001	GP-1, S-10	ASTM D2974-87	PMST/11582		
40119123005	GP-1, S-20	ASTM D2974-87	PMST/11582		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

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



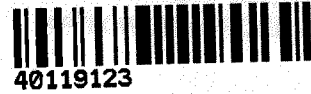
Project #:

WO#: 40119123

Client Name: Mach IV Engineering

Courier: Fed Ex UPS Client Pace Other: _____

Tracking #: _____



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

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

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

Cooler Temperature: Uncorr: ROI / Corr: _____ Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 8/4/15
Initials: TL

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

Comments:

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments

Comments/ Resolution: _____

*Lab added ORS to COC

8/4/15
TL

Project Manager Review: _____

Date: 8-4-15

August 24, 2015

Chad Fradette
Mach IV Engineering & Surveying
211 N. Broadway
Suite 114
Green Bay, WI 54303

RE: Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40119909

Dear Chad Fradette:

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,



Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

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

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SAMPLE SUMMARY

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40119909001	GP-4, 5-1	Solid	08/20/15 09:30	08/20/15 13:13
40119909002	GP-5, 5-1	Solid	08/20/15 09:30	08/20/15 13:13
40119909003	GP-6, 5-1	Solid	08/20/15 09:30	08/20/15 13:13
40119909004	GP-7, 5-1	Solid	08/20/15 09:30	08/20/15 13:13

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SAMPLE ANALYTE COUNT

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40119909001	GP-4, 5-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40119909002	GP-5, 5-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40119909003	GP-6, 5-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G
40119909004	GP-7, 5-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	MAM	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Method: EPA 8260

Description: 8260 MSV Med Level Normal List

Client: Mach IV Engineering

Date: August 24, 2015

General Information:

4 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/29880

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Sample: GP-4, 5-1 Lab ID: 40119909001 Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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	08/21/15 07:00	08/21/15 13:22	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/21/15 07:00	08/21/15 13:22	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/21/15 07:00	08/21/15 13:22	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/21/15 07:00	08/21/15 13:22	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/21/15 07:00	08/21/15 13:22	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/21/15 07:00	08/21/15 13:22	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Sample: GP-4, 5-1 **Lab ID: 40119909001** Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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	08/21/15 07:00	08/21/15 13:22	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/21/15 07:00	08/21/15 13:22	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/21/15 07:00	08/21/15 13:22	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:22	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	140	%	49-157		1	08/21/15 07:00	08/21/15 13:22	1868-53-7	
Toluene-d8 (S)	142	%	61-148		1	08/21/15 07:00	08/21/15 13:22	2037-26-5	
4-Bromofluorobenzene (S)	127	%	53-134		1	08/21/15 07:00	08/21/15 13:22	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture **1.8** % 0.10 0.10 1 08/20/15 15:49

Sample: GP-5, 5-1 **Lab ID: 40119909002** Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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	08/21/15 07:00	08/21/15 13:45	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/21/15 07:00	08/21/15 13:45	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/21/15 07:00	08/21/15 13:45	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/21/15 07:00	08/21/15 13:45	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Sample: GP-5, 5-1 **Lab ID: 40119909002** Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/21/15 07:00	08/21/15 13:45	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/21/15 07:00	08/21/15 13:45	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	79-34-5	W
Tetrachloroethene	54.7J	ug/kg	78.7	32.8	1	08/21/15 07:00	08/21/15 13:45	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/21/15 07:00	08/21/15 13:45	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	108-67-8	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Sample: GP-5, 5-1 **Lab ID: 40119909002** Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/21/15 07:00	08/21/15 13:45	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 13:45	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	49-157		1	08/21/15 07:00	08/21/15 13:45	1868-53-7	
Toluene-d8 (S)	89	%	61-148		1	08/21/15 07:00	08/21/15 13:45	2037-26-5	
4-Bromofluorobenzene (S)	78	%	53-134		1	08/21/15 07:00	08/21/15 13:45	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	23.7	%	0.10	0.10	1		08/20/15 15:50		

Sample: GP-6, 5-1 **Lab ID: 40119909003** Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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	08/21/15 07:00	08/21/15 14:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/21/15 07:00	08/21/15 14:08	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/21/15 07:00	08/21/15 14:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/21/15 07:00	08/21/15 14:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/21/15 07:00	08/21/15 14:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	107-06-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40119909

Sample: GP-6, 5-1 **Lab ID:** 40119909003 Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/21/15 07:00	08/21/15 14:08	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	79-34-5	W
Tetrachloroethene	49.6J	ug/kg	70.7	29.5	1	08/21/15 07:00	08/21/15 14:08	127-18-4	
Toluene	37.7J	ug/kg	70.7	29.5	1	08/21/15 07:00	08/21/15 14:08	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/21/15 07:00	08/21/15 14:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:08	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/21/15 07:00	08/21/15 14:08	179601-23-1	W
o-Xylene	30.3J	ug/kg	70.7	29.5	1	08/21/15 07:00	08/21/15 14:08	95-47-6	
Surrogates									
Dibromofluoromethane (S)	96	%	49-157		1	08/21/15 07:00	08/21/15 14:08	1868-53-7	
Toluene-d8 (S)	94	%	61-148		1	08/21/15 07:00	08/21/15 14:08	2037-26-5	
4-Bromofluorobenzene (S)	83	%	53-134		1	08/21/15 07:00	08/21/15 14:08	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.1	%	0.10	0.10	1		08/20/15 15:50		
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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Sample: GP-7, 5-1 Lab ID: 40119909004 Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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	08/21/15 07:00	08/21/15 14:31	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/21/15 07:00	08/21/15 14:31	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/21/15 07:00	08/21/15 14:31	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/21/15 07:00	08/21/15 14:31	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/21/15 07:00	08/21/15 14:31	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/21/15 07:00	08/21/15 14:31	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Sample: GP-7, 5-1 **Lab ID: 40119909004** Collected: 08/20/15 09:30 Received: 08/20/15 13:13 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	08/21/15 07:00	08/21/15 14:31	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	79-34-5	W
Tetrachloroethene	1880	ug/kg	66.0	27.5	1	08/21/15 07:00	08/21/15 14:31	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/21/15 07:00	08/21/15 14:31	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/21/15 07:00	08/21/15 14:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/21/15 07:00	08/21/15 14:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	49-157		1	08/21/15 07:00	08/21/15 14:31	1868-53-7	
Toluene-d8 (S)	105	%	61-148		1	08/21/15 07:00	08/21/15 14:31	2037-26-5	
4-Bromofluorobenzene (S)	90	%	53-134		1	08/21/15 07:00	08/21/15 14:31	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	9.2	%	0.10	0.10	1		08/20/15 15:50		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

QC Batch: MSV/29880 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40119909001, 40119909002, 40119909003, 40119909004

METHOD BLANK: 1209471 Matrix: Solid
 Associated Lab Samples: 40119909001, 40119909002, 40119909003, 40119909004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/21/15 09:53	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/21/15 09:53	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/21/15 09:53	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/21/15 09:53	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/21/15 09:53	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/21/15 09:53	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/21/15 09:53	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/21/15 09:53	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/21/15 09:53	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/21/15 09:53	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/21/15 09:53	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/21/15 09:53	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/21/15 09:53	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/21/15 09:53	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/21/15 09:53	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/21/15 09:53	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/21/15 09:53	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/21/15 09:53	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/21/15 09:53	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/21/15 09:53	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/21/15 09:53	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/21/15 09:53	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/21/15 09:53	
Benzene	ug/kg	<9.2	20.0	08/21/15 09:53	
Bromobenzene	ug/kg	<20.6	50.0	08/21/15 09:53	
Bromochloromethane	ug/kg	<21.4	50.0	08/21/15 09:53	
Bromodichloromethane	ug/kg	<9.8	50.0	08/21/15 09:53	
Bromoform	ug/kg	<19.8	50.0	08/21/15 09:53	
Bromomethane	ug/kg	<69.9	250	08/21/15 09:53	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/21/15 09:53	
Chlorobenzene	ug/kg	<14.8	50.0	08/21/15 09:53	
Chloroethane	ug/kg	<67.0	250	08/21/15 09:53	
Chloroform	ug/kg	<46.4	250	08/21/15 09:53	
Chloromethane	ug/kg	<20.4	50.0	08/21/15 09:53	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/21/15 09:53	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/21/15 09:53	
Dibromochloromethane	ug/kg	<17.9	50.0	08/21/15 09:53	
Dibromomethane	ug/kg	<19.3	50.0	08/21/15 09:53	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/21/15 09:53	
Diisopropyl ether	ug/kg	<17.7	50.0	08/21/15 09:53	
Ethylbenzene	ug/kg	<12.4	50.0	08/21/15 09:53	

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

METHOD BLANK: 1209471

Matrix: Solid

Associated Lab Samples: 40119909001, 40119909002, 40119909003, 40119909004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/21/15 09:53	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/21/15 09:53	
m&p-Xylene	ug/kg	<34.4	100	08/21/15 09:53	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/21/15 09:53	
Methylene Chloride	ug/kg	<16.2	50.0	08/21/15 09:53	
n-Butylbenzene	ug/kg	<10.5	50.0	08/21/15 09:53	
n-Propylbenzene	ug/kg	<11.6	50.0	08/21/15 09:53	
Naphthalene	ug/kg	<40.0	250	08/21/15 09:53	
o-Xylene	ug/kg	<14.0	50.0	08/21/15 09:53	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/21/15 09:53	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/21/15 09:53	
Styrene	ug/kg	<9.0	50.0	08/21/15 09:53	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/21/15 09:53	
Tetrachloroethene	ug/kg	<12.9	50.0	08/21/15 09:53	
Toluene	ug/kg	<11.2	50.0	08/21/15 09:53	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/21/15 09:53	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/21/15 09:53	
Trichloroethene	ug/kg	<23.6	50.0	08/21/15 09:53	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/21/15 09:53	
Vinyl chloride	ug/kg	<21.1	50.0	08/21/15 09:53	
4-Bromofluorobenzene (S)	%	91	53-134	08/21/15 09:53	
Dibromofluoromethane (S)	%	105	49-157	08/21/15 09:53	
Toluene-d8 (S)	%	103	61-148	08/21/15 09:53	

LABORATORY CONTROL SAMPLE & LCSD: 1209472

1209473

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	2280	2330	91	93	70-130	2	20	
1,1,1,2-Tetrachloroethane	ug/kg	2500	2410	2500	96	100	70-130	4	20	
1,1,2-Trichloroethane	ug/kg	2500	2600	2660	104	106	70-130	2	20	
1,1-Dichloroethane	ug/kg	2500	2810	2790	112	112	70-130	0	20	
1,1-Dichloroethene	ug/kg	2500	2660	2730	106	109	70-132	2	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2330	2490	93	100	70-130	7	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1740	1820	70	73	45-150	5	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2620	2690	105	108	70-130	3	20	
1,2-Dichlorobenzene	ug/kg	2500	2580	2550	103	102	70-130	1	20	
1,2-Dichloroethane	ug/kg	2500	2830	2790	113	112	70-134	1	20	
1,2-Dichloropropane	ug/kg	2500	2780	2720	111	109	70-130	2	20	
1,3-Dichlorobenzene	ug/kg	2500	2510	2460	101	98	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	2500	2490	2460	100	99	70-130	1	20	
Benzene	ug/kg	2500	2760	2760	110	110	70-130	0	20	
Bromodichloromethane	ug/kg	2500	2340	2430	94	97	70-130	4	20	
Bromoform	ug/kg	2500	1890	2060	75	82	48-130	9	20	
Bromomethane	ug/kg	2500	2560	2690	102	108	70-169	5	20	

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Parameter	Units	LABORATORY CONTROL SAMPLE & LCSD: 1209472		1209473			% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Carbon tetrachloride	ug/kg	2500	2230	2320	89	93	67-130	4	20	
Chlorobenzene	ug/kg	2500	2710	2740	109	110	70-130	1	20	
Chloroethane	ug/kg	2500	2690	2650	107	106	70-191	1	20	
Chloroform	ug/kg	2500	2590	2620	104	105	70-130	1	20	
Chloromethane	ug/kg	2500	2360	2310	94	92	52-132	2	20	
cis-1,2-Dichloroethene	ug/kg	2500	2550	2560	102	102	70-130	1	20	
cis-1,3-Dichloropropene	ug/kg	2500	2240	2280	90	91	70-130	2	20	
Dibromochloromethane	ug/kg	2500	2120	2290	85	92	65-130	8	20	
Dichlorodifluoromethane	ug/kg	2500	1790	1810	71	72	12-150	1	20	
Ethylbenzene	ug/kg	2500	2590	2590	104	104	70-130	0	20	
Isopropylbenzene (Cumene)	ug/kg	2500	2640	2590	106	104	70-130	2	20	
m&p-Xylene	ug/kg	5000	5360	5430	107	109	70-130	1	20	
Methyl-tert-butyl ether	ug/kg	2500	2460	2720	98	109	70-130	10	20	
Methylene Chloride	ug/kg	2500	2910	2800	116	112	70-131	4	20	
o-Xylene	ug/kg	2500	2680	2690	107	108	70-130	0	20	
Styrene	ug/kg	2500	2570	2690	103	108	70-130	5	20	
Tetrachloroethene	ug/kg	2500	2490	2520	100	101	70-130	1	20	
Toluene	ug/kg	2500	2700	2710	108	109	70-130	0	20	
trans-1,2-Dichloroethene	ug/kg	2500	2640	2830	106	113	69-130	7	20	
trans-1,3-Dichloropropene	ug/kg	2500	2090	2210	84	88	65-130	6	20	
Trichloroethene	ug/kg	2500	2620	2550	105	102	70-130	3	20	
Trichlorofluoromethane	ug/kg	2500	2220	2100	89	84	50-150	5	20	
Vinyl chloride	ug/kg	2500	2340	2330	94	93	67-134	1	20	
4-Bromofluorobenzene (S)	%				94	96	53-134			
Dibromofluoromethane (S)	%				112	113	49-157			
Toluene-d8 (S)	%				107	107	61-148			

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QUALIFIERS

Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40119909

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/29882
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40119909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40119909001	GP-4, 5-1	EPA 5035/5030B	MSV/29880	EPA 8260	MSV/29882
40119909002	GP-5, 5-1	EPA 5035/5030B	MSV/29880	EPA 8260	MSV/29882
40119909003	GP-6, 5-1	EPA 5035/5030B	MSV/29880	EPA 8260	MSV/29882
40119909004	GP-7, 5-1	EPA 5035/5030B	MSV/29880	EPA 8260	MSV/29882
40119909001	GP-4, 5-1	ASTM D2974-87	PMST/11664		
40119909002	GP-5, 5-1	ASTM D2974-87	PMST/11664		
40119909003	GP-6, 5-1	ASTM D2974-87	PMST/11664		
40119909004	GP-7, 5-1	ASTM D2974-87	PMST/11664		

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Sample Condition Upon Receipt

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

Client Name: mach iv engineering

Project #: WO#: 40119909
Barcode with number 40119909

Courier: Fed Ex UPS Client Pace Other:

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: ROI Corr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 8/20/15
Initials: RL

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

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like Chain of Custody Present, Samples Arrived within Hold Time, Short Hold Time Analysis, etc.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: 8-20-15

August 28, 2015

Chad Fradette
Mach IV Engineering & Surveying
211 N. Broadway
Suite 114
Green Bay, WI 54303

RE: Project: 0969-01-15 LOCKWOOD
Pace Project No.: 40120173

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 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,



Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures



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CERTIFICATIONS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

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

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SAMPLE SUMMARY

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40120173001	GP-8, S-1	Solid	08/26/15 19:45	08/27/15 08:00
40120173002	GP-9, S-1	Solid	08/26/15 19:35	08/27/15 08:00
40120173003	GP-10, S-1	Solid	08/26/15 19:25	08/27/15 08:00
40120173004	GP-11, S-1	Solid	08/26/15 19:15	08/27/15 08:00
40120173005	GP-12, S-1	Solid	08/26/15 19:05	08/27/15 08:00
40120173006	GP-13, S-1	Solid	08/26/15 18:55	08/27/15 08:00
40120173007	GP-14, S-1	Solid	08/26/15 18:45	08/27/15 08:00
40120173008	GP-15, S-1	Solid	08/26/15 18:35	08/27/15 08:00
40120173009	GP-16, S-1	Solid	08/26/15 18:25	08/27/15 08:00

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SAMPLE ANALYTE COUNT

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40120173001	GP-8, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173002	GP-9, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173003	GP-10, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173004	GP-11, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173005	GP-12, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173006	GP-13, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173007	GP-14, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173008	GP-15, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120173009	GP-16, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G

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PROJECT NARRATIVE

Project: 0969-01-15 LOCKWOOD
Pace Project No.: 40120173

Method: EPA 8260
Description: 8260 MSV Med Level Normal List
Client: Mach IV Engineering
Date: August 28, 2015

General Information:

9 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.

QC Batch: MSV/29945

B: Analyte was detected in the associated method blank.

- BLANK for HBN 202606 [MSV/2994 (Lab ID: 1212188)
- Methylene Chloride

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/29945

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-8, S-1 Lab ID: 40120173001 Collected: 08/26/15 19:45 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/27/15 23:10	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/27/15 23:10	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/27/15 23:10	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/27/15 23:10	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	99-87-6	W
Methylene Chloride	52.3J	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	1634-04-4	W
Naphthalene	189J	ug/kg	259	41.5	1	08/27/15 13:45	08/27/15 23:10	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD
Pace Project No.: 40120173

Sample: GP-8, S-1 **Lab ID: 40120173001** Collected: 08/26/15 19:45 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	79-34-5	W
Tetrachloroethene	2260	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	127-18-4	
Toluene	82.5	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/27/15 23:10	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	96-18-4	W
1,2,4-Trimethylbenzene	75.9	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:10	75-01-4	W
m&p-Xylene	127	ug/kg	124	51.9	1	08/27/15 13:45	08/27/15 23:10	179601-23-1	
o-Xylene	94.1	ug/kg	62.2	25.9	1	08/27/15 13:45	08/27/15 23:10	95-47-6	
Surrogates									
Dibromofluoromethane (S)	115	%	49-157		1	08/27/15 13:45	08/27/15 23:10	1868-53-7	
Toluene-d8 (S)	123	%	61-148		1	08/27/15 13:45	08/27/15 23:10	2037-26-5	
4-Bromofluorobenzene (S)	109	%	53-134		1	08/27/15 13:45	08/27/15 23:10	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	3.6	%	0.10	0.10	1		08/28/15 09:14		
------------------	-----	---	------	------	---	--	----------------	--	--

Sample: GP-9, S-1 **Lab ID: 40120173002** Collected: 08/26/15 19:35 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/27/15 23:33	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/27/15 23:33	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/27/15 23:33	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-9, S-1 **Lab ID: 40120173002** Collected: 08/26/15 19:35 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/27/15 23:33	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	99-87-6	W
Methylene Chloride	35.1J	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	1634-04-4	W
Naphthalene	101J	ug/kg	277	44.4	1	08/27/15 13:45	08/27/15 23:33	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	79-34-5	W
Tetrachloroethene	85.5	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	127-18-4	
Toluene	60.1J	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/27/15 23:33	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	96-18-4	W
1,2,4-Trimethylbenzene	36.3J	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	108-67-8	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-9, S-1 **Lab ID: 40120173002** Collected: 08/26/15 19:35 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:33	75-01-4	W
m&p-Xylene	89.0J	ug/kg	133	55.5	1	08/27/15 13:45	08/27/15 23:33	179601-23-1	
o-Xylene	53.8J	ug/kg	66.6	27.7	1	08/27/15 13:45	08/27/15 23:33	95-47-6	
Surrogates									
Dibromofluoromethane (S)	104	%	49-157		1	08/27/15 13:45	08/27/15 23:33	1868-53-7	
Toluene-d8 (S)	117	%	61-148		1	08/27/15 13:45	08/27/15 23:33	2037-26-5	
4-Bromofluorobenzene (S)	101	%	53-134		1	08/27/15 13:45	08/27/15 23:33	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	9.9	%	0.10	0.10	1		08/28/15 09:14		

Sample: GP-10, S-1 **Lab ID: 40120173003** Collected: 08/26/15 19:25 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/27/15 23:57	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/27/15 23:57	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/27/15 23:57	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/27/15 23:57	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	107-06-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-10, S-1 **Lab ID:** 40120173003 Collected: 08/26/15 19:25 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	99-87-6	W
Methylene Chloride	47.2J	ug/kg	62.7	26.1	1	08/27/15 13:45	08/27/15 23:57	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/27/15 23:57	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/27/15 23:57	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/27/15 23:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/27/15 23:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	49-157		1	08/27/15 13:45	08/27/15 23:57	1868-53-7	
Toluene-d8 (S)	117	%	61-148		1	08/27/15 13:45	08/27/15 23:57	2037-26-5	
4-Bromofluorobenzene (S)	104	%	53-134		1	08/27/15 13:45	08/27/15 23:57	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	4.2	%	0.10	0.10	1		08/28/15 09:14		
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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-11, S-1 **Lab ID:** 40120173004 Collected: 08/26/15 19:15 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 00:20	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 00:20	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 00:20	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 00:20	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	99-87-6	W
Methylene Chloride	38.3J	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	1634-04-4	W
Naphthalene	60.0J	ug/kg	269	43.0	1	08/27/15 13:45	08/28/15 00:20	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	100-42-5	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-11, S-1 **Lab ID: 40120173004** Collected: 08/26/15 19:15 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	79-34-5	W
Tetrachloroethene	177	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	127-18-4	
Toluene	45.8J	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 00:20	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	96-18-4	W
1,2,4-Trimethylbenzene	27.0J	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:20	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 00:20	179601-23-1	W
o-Xylene	37.3J	ug/kg	64.5	26.9	1	08/27/15 13:45	08/28/15 00:20	95-47-6	
Surrogates									
Dibromofluoromethane (S)	112	%	49-157		1	08/27/15 13:45	08/28/15 00:20	1868-53-7	
Toluene-d8 (S)	116	%	61-148		1	08/27/15 13:45	08/28/15 00:20	2037-26-5	
4-Bromofluorobenzene (S)	100	%	53-134		1	08/27/15 13:45	08/28/15 00:20	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	6.9	%	0.10	0.10	1		08/28/15 09:14		
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Sample: GP-12, S-1 **Lab ID: 40120173005** Collected: 08/26/15 19:05 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 00:43	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 00:43	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 00:43	67-66-3	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-12, S-1 Lab ID: 40120173005 Collected: 08/26/15 19:05 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 00:43	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	99-87-6	W
Methylene Chloride	36.9J	ug/kg	62.6	26.1	1	08/27/15 13:45	08/28/15 00:43	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/28/15 00:43	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	79-34-5	W
Tetrachloroethene	142	ug/kg	62.6	26.1	1	08/27/15 13:45	08/28/15 00:43	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 00:43	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	108-67-8	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-12, S-1 **Lab ID: 40120173005** Collected: 08/26/15 19:05 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 00:43	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 00:43	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	49-157		1	08/27/15 13:45	08/28/15 00:43	1868-53-7	
Toluene-d8 (S)	116	%	61-148		1	08/27/15 13:45	08/28/15 00:43	2037-26-5	
4-Bromofluorobenzene (S)	102	%	53-134		1	08/27/15 13:45	08/28/15 00:43	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	4.2	%	0.10	0.10	1		08/28/15 09:14		

Sample: GP-13, S-1 **Lab ID: 40120173006** Collected: 08/26/15 18:55 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 01:06	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 01:06	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 01:06	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 01:06	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	107-06-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-13, S-1 Lab ID: 40120173006 Collected: 08/26/15 18:55 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	99-87-6	W
Methylene Chloride	49.3J	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	1634-04-4	W
Naphthalene	66.0J	ug/kg	265	42.4	1	08/27/15 13:45	08/28/15 01:06	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	79-34-5	W
Tetrachloroethene	67.1	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	127-18-4	
Toluene	45.3J	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 01:06	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	96-18-4	W
1,2,4-Trimethylbenzene	36.6J	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	95-63-6	
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:06	75-01-4	W
m&p-Xylene	61.4J	ug/kg	127	52.9	1	08/27/15 13:45	08/28/15 01:06	179601-23-1	
o-Xylene	47.4J	ug/kg	63.5	26.5	1	08/27/15 13:45	08/28/15 01:06	95-47-6	
Surrogates									
Dibromofluoromethane (S)	113	%	49-157		1	08/27/15 13:45	08/28/15 01:06	1868-53-7	
Toluene-d8 (S)	120	%	61-148		1	08/27/15 13:45	08/28/15 01:06	2037-26-5	
4-Bromofluorobenzene (S)	106	%	53-134		1	08/27/15 13:45	08/28/15 01:06	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	5.5	%	0.10	0.10	1		08/28/15 09:14		
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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-14, S-1 **Lab ID: 40120173007** Collected: 08/26/15 18:45 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 01:29	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 01:29	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 01:29	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 01:29	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	99-87-6	W
Methylene Chloride	60.7J	ug/kg	65.3	27.2	1	08/27/15 13:45	08/28/15 01:29	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/28/15 01:29	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	100-42-5	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-14, S-1 **Lab ID: 40120173007** Collected: 08/26/15 18:45 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 01:29	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 01:29	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:29	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	49-157		1	08/27/15 13:45	08/28/15 01:29	1868-53-7	
Toluene-d8 (S)	111	%	61-148		1	08/27/15 13:45	08/28/15 01:29	2037-26-5	
4-Bromofluorobenzene (S)	98	%	53-134		1	08/27/15 13:45	08/28/15 01:29	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	8.1	%	0.10	0.10	1		08/28/15 09:14		
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Sample: GP-15, S-1 **Lab ID: 40120173008** Collected: 08/26/15 18:35 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 01:52	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 01:52	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 01:52	67-66-3	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-15, S-1 **Lab ID: 40120173008** Collected: 08/26/15 18:35 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 01:52	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	99-87-6	W
Methylene Chloride	40.8J	ug/kg	63.4	26.4	1	08/27/15 13:45	08/28/15 01:52	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/28/15 01:52	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 01:52	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	108-67-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-15, S-1 **Lab ID: 40120173008** Collected: 08/26/15 18:35 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 01:52	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 01:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	49-157		1	08/27/15 13:45	08/28/15 01:52	1868-53-7	
Toluene-d8 (S)	112	%	61-148		1	08/27/15 13:45	08/28/15 01:52	2037-26-5	
4-Bromofluorobenzene (S)	101	%	53-134		1	08/27/15 13:45	08/28/15 01:52	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	5.3	%	0.10	0.10	1		08/28/15 09:14		

Sample: GP-16, S-1 **Lab ID: 40120173009** Collected: 08/26/15 18:25 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	08/27/15 13:45	08/28/15 02:16	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	08/27/15 13:45	08/28/15 02:16	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	08/27/15 13:45	08/28/15 02:16	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	08/27/15 13:45	08/28/15 02:16	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	107-06-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Sample: GP-16, S-1 Lab ID: 40120173009 Collected: 08/26/15 18:25 Received: 08/27/15 08:00 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	99-87-6	W
Methylene Chloride	45.9J	ug/kg	65.0	27.1	1	08/27/15 13:45	08/28/15 02:16	75-09-2	B
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	08/27/15 13:45	08/28/15 02:16	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	08/27/15 13:45	08/28/15 02:16	120-82-1	W
1,1,1-Trichloroethane	231	ug/kg	65.0	27.1	1	08/27/15 13:45	08/28/15 02:16	71-55-6	
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	08/27/15 13:45	08/28/15 02:16	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	08/27/15 13:45	08/28/15 02:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	49-157		1	08/27/15 13:45	08/28/15 02:16	1868-53-7	
Toluene-d8 (S)	120	%	61-148		1	08/27/15 13:45	08/28/15 02:16	2037-26-5	
4-Bromofluorobenzene (S)	103	%	53-134		1	08/27/15 13:45	08/28/15 02:16	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	7.6	%	0.10	0.10	1		08/28/15 09:15		
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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

QC Batch: MSV/29945 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40120173001, 40120173002, 40120173003, 40120173004, 40120173005, 40120173006, 40120173007, 40120173008, 40120173009

METHOD BLANK: 1212188 Matrix: Solid
 Associated Lab Samples: 40120173001, 40120173002, 40120173003, 40120173004, 40120173005, 40120173006, 40120173007, 40120173008, 40120173009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/27/15 19:42	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/27/15 19:42	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/27/15 19:42	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/27/15 19:42	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/27/15 19:42	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/27/15 19:42	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/27/15 19:42	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/27/15 19:42	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/27/15 19:42	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/27/15 19:42	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/27/15 19:42	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/27/15 19:42	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/27/15 19:42	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/27/15 19:42	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/27/15 19:42	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/27/15 19:42	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/27/15 19:42	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/27/15 19:42	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/27/15 19:42	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/27/15 19:42	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/27/15 19:42	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/27/15 19:42	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/27/15 19:42	
Benzene	ug/kg	<9.2	20.0	08/27/15 19:42	
Bromobenzene	ug/kg	<20.6	50.0	08/27/15 19:42	
Bromochloromethane	ug/kg	<21.4	50.0	08/27/15 19:42	
Bromodichloromethane	ug/kg	<9.8	50.0	08/27/15 19:42	
Bromoform	ug/kg	<19.8	50.0	08/27/15 19:42	
Bromomethane	ug/kg	<69.9	250	08/27/15 19:42	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/27/15 19:42	
Chlorobenzene	ug/kg	<14.8	50.0	08/27/15 19:42	
Chloroethane	ug/kg	<67.0	250	08/27/15 19:42	
Chloroform	ug/kg	<46.4	250	08/27/15 19:42	
Chloromethane	ug/kg	<20.4	50.0	08/27/15 19:42	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/27/15 19:42	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/27/15 19:42	
Dibromochloromethane	ug/kg	<17.9	50.0	08/27/15 19:42	
Dibromomethane	ug/kg	<19.3	50.0	08/27/15 19:42	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/27/15 19:42	
Diisopropyl ether	ug/kg	<17.7	50.0	08/27/15 19:42	

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

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

METHOD BLANK: 1212188

Matrix: Solid

Associated Lab Samples: 40120173001, 40120173002, 40120173003, 40120173004, 40120173005, 40120173006, 40120173007, 40120173008, 40120173009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	08/27/15 19:42	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/27/15 19:42	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/27/15 19:42	
m&p-Xylene	ug/kg	<34.4	100	08/27/15 19:42	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/27/15 19:42	
Methylene Chloride	ug/kg	40.5J	50.0	08/27/15 19:42	
n-Butylbenzene	ug/kg	<10.5	50.0	08/27/15 19:42	
n-Propylbenzene	ug/kg	<11.6	50.0	08/27/15 19:42	
Naphthalene	ug/kg	<40.0	250	08/27/15 19:42	
o-Xylene	ug/kg	<14.0	50.0	08/27/15 19:42	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/27/15 19:42	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/27/15 19:42	
Styrene	ug/kg	<9.0	50.0	08/27/15 19:42	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/27/15 19:42	
Tetrachloroethene	ug/kg	<12.9	50.0	08/27/15 19:42	
Toluene	ug/kg	<11.2	50.0	08/27/15 19:42	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/27/15 19:42	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/27/15 19:42	
Trichloroethene	ug/kg	<23.6	50.0	08/27/15 19:42	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/27/15 19:42	
Vinyl chloride	ug/kg	<21.1	50.0	08/27/15 19:42	
4-Bromofluorobenzene (S)	%	92	53-134	08/27/15 19:42	
Dibromofluoromethane (S)	%	103	49-157	08/27/15 19:42	
Toluene-d8 (S)	%	106	61-148	08/27/15 19:42	

LABORATORY CONTROL SAMPLE & LCSD: 1212189

1212190

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	2050	2180	82	87	70-130	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2590	2700	104	108	70-130	4	20	
1,1,2-Trichloroethane	ug/kg	2500	2620	2670	105	107	70-130	2	20	
1,1-Dichloroethane	ug/kg	2500	2630	2760	105	110	70-130	5	20	
1,1-Dichloroethene	ug/kg	2500	2270	2440	91	97	70-132	7	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2480	2630	99	105	70-130	6	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1800	1920	72	77	45-150	6	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2590	2640	104	106	70-130	2	20	
1,2-Dichlorobenzene	ug/kg	2500	2600	2790	104	111	70-130	7	20	
1,2-Dichloroethane	ug/kg	2500	2660	2740	107	110	70-134	3	20	
1,2-Dichloropropane	ug/kg	2500	2690	2690	108	107	70-130	0	20	
1,3-Dichlorobenzene	ug/kg	2500	2580	2630	103	105	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	2500	2520	2590	101	104	70-130	3	20	
Benzene	ug/kg	2500	2590	2700	104	108	70-130	4	20	
Bromodichloromethane	ug/kg	2500	2220	2310	89	92	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

LABORATORY CONTROL SAMPLE & LCSD:		1212189		1212190							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Bromoform	ug/kg	2500	1900	2070	76	83	48-130	8	20		
Bromomethane	ug/kg	2500	2150	2130	86	85	70-169	1	20		
Carbon tetrachloride	ug/kg	2500	1960	2110	79	84	67-130	7	20		
Chlorobenzene	ug/kg	2500	2640	2740	106	109	70-130	4	20		
Chloroethane	ug/kg	2500	2380	2340	95	94	70-191	2	20		
Chloroform	ug/kg	2500	2410	2490	96	100	70-130	3	20		
Chloromethane	ug/kg	2500	1790	1790	72	72	52-132	0	20		
cis-1,2-Dichloroethene	ug/kg	2500	2400	2580	96	103	70-130	7	20		
cis-1,3-Dichloropropene	ug/kg	2500	2110	2230	84	89	70-130	5	20		
Dibromochloromethane	ug/kg	2500	2080	2190	83	87	65-130	5	20		
Dichlorodifluoromethane	ug/kg	2500	902	950	36	38	12-150	5	20		
Ethylbenzene	ug/kg	2500	2500	2570	100	103	70-130	3	20		
Isopropylbenzene (Cumene)	ug/kg	2500	2560	2590	103	104	70-130	1	20		
m&p-Xylene	ug/kg	5000	5310	5350	106	107	70-130	1	20		
Methyl-tert-butyl ether	ug/kg	2500	2550	2680	102	107	70-130	5	20		
Methylene Chloride	ug/kg	2500	2690	2740	108	109	70-131	2	20		
o-Xylene	ug/kg	2500	2650	2660	106	107	70-130	1	20		
Styrene	ug/kg	2500	2640	2660	106	107	70-130	1	20		
Tetrachloroethene	ug/kg	2500	2420	2530	97	101	70-130	4	20		
Toluene	ug/kg	2500	2650	2700	106	108	70-130	2	20		
trans-1,2-Dichloroethene	ug/kg	2500	2670	2740	107	110	69-130	2	20		
trans-1,3-Dichloropropene	ug/kg	2500	2010	2120	80	85	65-130	5	20		
Trichloroethene	ug/kg	2500	2490	2520	99	101	70-130	1	20		
Trichlorofluoromethane	ug/kg	2500	1780	1800	71	72	50-150	1	20		
Vinyl chloride	ug/kg	2500	1910	1930	76	77	67-134	1	20		
4-Bromofluorobenzene (S)	%				92	93	53-134				
Dibromofluoromethane (S)	%				101	104	49-157				
Toluene-d8 (S)	%				102	105	61-148				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

QC Batch:	PMST/11695	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40120173001, 40120173002, 40120173003, 40120173004, 40120173005, 40120173006, 40120173007, 40120173008, 40120173009		

SAMPLE DUPLICATE: 1212520

Parameter	Units	40120229001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.9	20.3	2	10	

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QUALIFIERS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

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/29950

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

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120173

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40120173001	GP-8, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173002	GP-9, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173003	GP-10, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173004	GP-11, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173005	GP-12, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173006	GP-13, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173007	GP-14, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173008	GP-15, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173009	GP-16, S-1	EPA 5035/5030B	MSV/29945	EPA 8260	MSV/29950
40120173001	GP-8, S-1	ASTM D2974-87	PMST/11695		
40120173002	GP-9, S-1	ASTM D2974-87	PMST/11695		
40120173003	GP-10, S-1	ASTM D2974-87	PMST/11695		
40120173004	GP-11, S-1	ASTM D2974-87	PMST/11695		
40120173005	GP-12, S-1	ASTM D2974-87	PMST/11695		
40120173006	GP-13, S-1	ASTM D2974-87	PMST/11695		
40120173007	GP-14, S-1	ASTM D2974-87	PMST/11695		
40120173008	GP-15, S-1	ASTM D2974-87	PMST/11695		
40120173009	GP-16, S-1	ASTM D2974-87	PMST/11695		

REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt

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



Client Name: Mach IV

Project # **WO# : 40120173**



Courier: Fed Ex UPS Client Pace Other: _____

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other _____

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

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

Temp Blank Present: yes no no

Person examining contents:
Date: 8-27-15
Initials: [Signature]

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

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>8/28/15 TAT</u> <u>8-27-15 JW</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>No collect time on all samples.</u> <u>8-27-15 JW</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4) ≤ 2; NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions (VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER: _____)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: _____

Project Manager Review: [Signature] Date: 8-27-15

September 14, 2015

Chad Fradette
Mach IV Engineering & Surveying
211 N. Broadway
Suite 114
Green Bay, WI 54303

RE: Project: 0969-01-15 LOCKWOOD
Pace Project No.: 40120874

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on September 10, 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,



Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

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

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SAMPLE SUMMARY

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40120874001	TP-1, S-3	Solid	09/10/15 08:40	09/10/15 12:17
40120874002	TP-1, S-4	Solid	09/10/15 08:50	09/10/15 12:17
40120874003	TP-2, S-3	Solid	09/10/15 09:00	09/10/15 12:17
40120874004	TP-2, S-4	Solid	09/10/15 09:10	09/10/15 12:17
40120874005	TP-3, S-3	Solid	09/10/15 09:20	09/10/15 12:17
40120874006	TP-3, S-4	Solid	09/10/15 09:30	09/10/15 12:17
40120874007	TP-4, S-3	Solid	09/10/15 09:40	09/10/15 12:17
40120874008	TP-4, S-1	Solid	09/10/15 09:50	09/10/15 12:17
40120874009	SB-1, S-1	Solid	09/10/15 10:00	09/10/15 12:17
40120874010	SB-2, S-1	Solid	09/10/15 10:10	09/10/15 12:17

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SAMPLE ANALYTE COUNT

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40120874001	TP-1, S-3	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874002	TP-1, S-4	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874003	TP-2, S-3	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874004	TP-2, S-4	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874005	TP-3, S-3	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874006	TP-3, S-4	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874007	TP-4, S-3	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874008	TP-4, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874009	SB-1, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G
40120874010	SB-2, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	EMM	1	PASI-G

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PROJECT NARRATIVE

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Method: EPA 8260

Description: 8260 MSV Med Level Normal List

Client: Mach IV Engineering

Date: September 14, 2015

General Information:

10 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.

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-1, S-3 **Lab ID: 40120874001** Collected: 09/10/15 08:40 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 11:35	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 11:35	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 11:35	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 11:35	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 11:35	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 11:35	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	100-42-5	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-1, S-3 **Lab ID: 40120874001** Collected: 09/10/15 08:40 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 11:35	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 11:35	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 11:35	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:35	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	49-157		1	09/11/15 07:15	09/11/15 11:35	1868-53-7	
Toluene-d8 (S)	117	%	61-148		1	09/11/15 07:15	09/11/15 11:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%	53-134		1	09/11/15 07:15	09/11/15 11:35	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	5.3	%	0.10	0.10	1		09/12/15 12:46		
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Sample: TP-1, S-4 **Lab ID: 40120874002** Collected: 09/10/15 08:50 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 11:58	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 11:58	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 11:58	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 11:58	67-66-3	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD
Pace Project No.: 40120874

Sample: TP-1, S-4 **Lab ID: 40120874002** Collected: 09/10/15 08:50 Received: 09/10/15 12:17 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							
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 11:58	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 11:58	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 11:58	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	108-67-8	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-1, S-4 **Lab ID: 40120874002** Collected: 09/10/15 08:50 Received: 09/10/15 12:17 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									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 11:58	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 11:58	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	49-157		1	09/11/15 07:15	09/11/15 11:58	1868-53-7	
Toluene-d8 (S)	126	%	61-148		1	09/11/15 07:15	09/11/15 11:58	2037-26-5	
4-Bromofluorobenzene (S)	104	%	53-134		1	09/11/15 07:15	09/11/15 11:58	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	36.7	%	0.10	0.10	1		09/12/15 12:46		

Sample: TP-2, S-3 **Lab ID: 40120874003** Collected: 09/10/15 09:00 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 12:21	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 12:21	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 12:21	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 12:21	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 12:21	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	107-06-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-2, S-3 **Lab ID: 40120874003** Collected: 09/10/15 09:00 Received: 09/10/15 12:17 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-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 12:21	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	79-34-5	W
Tetrachloroethene	46.6J	ug/kg	63.8	26.6	1	09/11/15 07:15	09/11/15 12:21	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 12:21	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 12:21	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:21	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	108	%	49-157		1	09/11/15 07:15	09/11/15 12:21	1868-53-7	
Toluene-d8 (S)	118	%	61-148		1	09/11/15 07:15	09/11/15 12:21	2037-26-5	
4-Bromofluorobenzene (S)	101	%	53-134		1	09/11/15 07:15	09/11/15 12:21	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	6.0	%	0.10	0.10	1		09/12/15 12:46		
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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-2, S-4 **Lab ID: 40120874004** Collected: 09/10/15 09:10 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 12:44	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 12:44	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 12:44	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 12:44	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 12:44	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 12:44	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	100-42-5	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-2, S-4 **Lab ID: 40120874004** Collected: 09/10/15 09:10 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 12:44	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 12:44	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 12:44	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 12:44	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	49-157		1	09/11/15 07:15	09/11/15 12:44	1868-53-7	
Toluene-d8 (S)	114	%	61-148		1	09/11/15 07:15	09/11/15 12:44	2037-26-5	
4-Bromofluorobenzene (S)	98	%	53-134		1	09/11/15 07:15	09/11/15 12:44	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	10.1	%	0.10	0.10	1		09/12/15 12:47		
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Sample: TP-3, S-3 **Lab ID: 40120874005** Collected: 09/10/15 09:20 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 13:07	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 13:07	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 13:07	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 13:07	67-66-3	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-3, S-3 **Lab ID: 40120874005** Collected: 09/10/15 09:20 Received: 09/10/15 12:17 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							
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 13:07	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 13:07	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	79-34-5	W
Tetrachloroethene	544	ug/kg	71.6	29.9	1	09/11/15 07:15	09/11/15 13:07	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 13:07	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	108-67-8	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-3, S-3 **Lab ID: 40120874005** Collected: 09/10/15 09:20 Received: 09/10/15 12:17 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									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 13:07	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:07	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	49-157		1	09/11/15 07:15	09/11/15 13:07	1868-53-7	
Toluene-d8 (S)	109	%	61-148		1	09/11/15 07:15	09/11/15 13:07	2037-26-5	
4-Bromofluorobenzene (S)	94	%	53-134		1	09/11/15 07:15	09/11/15 13:07	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	16.3	%	0.10	0.10	1		09/12/15 12:47		

Sample: TP-3, S-4 **Lab ID: 40120874006** Collected: 09/10/15 09:30 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 13:30	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 13:30	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 13:30	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 13:30	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 13:30	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	107-06-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-3, S-4 **Lab ID: 40120874006** Collected: 09/10/15 09:30 Received: 09/10/15 12:17 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-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 13:30	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 13:30	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 13:30	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:30	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	49-157		1	09/11/15 07:15	09/11/15 13:30	1868-53-7	
Toluene-d8 (S)	116	%	61-148		1	09/11/15 07:15	09/11/15 13:30	2037-26-5	
4-Bromofluorobenzene (S)	99	%	53-134		1	09/11/15 07:15	09/11/15 13:30	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	11.0	%	0.10	0.10	1		09/12/15 12:47		
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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-4, S-3 **Lab ID: 40120874007** Collected: 09/10/15 09:40 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 13:54	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 13:54	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 13:54	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 13:54	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 13:54	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 13:54	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	100-42-5	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-4, S-3 **Lab ID: 40120874007** Collected: 09/10/15 09:40 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 13:54	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 13:54	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 13:54	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 13:54	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	49-157		1	09/11/15 07:15	09/11/15 13:54	1868-53-7	
Toluene-d8 (S)	122	%	61-148		1	09/11/15 07:15	09/11/15 13:54	2037-26-5	
4-Bromofluorobenzene (S)	105	%	53-134		1	09/11/15 07:15	09/11/15 13:54	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.8	%	0.10	0.10	1		09/12/15 12:47		
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Sample: TP-4, S-1 **Lab ID: 40120874008** Collected: 09/10/15 09:50 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 14:17	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 14:17	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 14:17	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 14:17	67-66-3	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-4, S-1 **Lab ID: 40120874008** Collected: 09/10/15 09:50 Received: 09/10/15 12:17 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									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 14:17	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 14:17	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 14:17	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	108-67-8	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: TP-4, S-1 **Lab ID: 40120874008** Collected: 09/10/15 09:50 Received: 09/10/15 12:17 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									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 14:17	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	49-157		1	09/11/15 07:15	09/11/15 14:17	1868-53-7	
Toluene-d8 (S)	114	%	61-148		1	09/11/15 07:15	09/11/15 14:17	2037-26-5	
4-Bromofluorobenzene (S)	99	%	53-134		1	09/11/15 07:15	09/11/15 14:17	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	17.0	%	0.10	0.10	1		09/12/15 12:47		

Sample: SB-1, S-1 **Lab ID: 40120874009** Collected: 09/10/15 10:00 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 14:40	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 14:40	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 14:40	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 14:40	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 14:40	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	107-06-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD
Pace Project No.: 40120874

Sample: SB-1, S-1 **Lab ID: 40120874009** Collected: 09/10/15 10:00 Received: 09/10/15 12:17 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-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 14:40	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	79-34-5	W
Tetrachloroethene	178	ug/kg	62.9	26.2	1	09/11/15 07:15	09/11/15 14:40	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 14:40	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 14:40	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 14:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	49-157		1	09/11/15 07:15	09/11/15 14:40	1868-53-7	
Toluene-d8 (S)	121	%	61-148		1	09/11/15 07:15	09/11/15 14:40	2037-26-5	
4-Bromofluorobenzene (S)	105	%	53-134		1	09/11/15 07:15	09/11/15 14:40	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.5	%	0.10	0.10	1		09/12/15 12:47		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: **SB-2, S-1** Lab ID: **40120874010** Collected: 09/10/15 10:10 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 15:03	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/11/15 07:15	09/11/15 15:03	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/11/15 07:15	09/11/15 15:03	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/11/15 07:15	09/11/15 15:03	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/11/15 07:15	09/11/15 15:03	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/11/15 07:15	09/11/15 15:03	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Sample: SB-2, S-1 **Lab ID: 40120874010** Collected: 09/10/15 10:10 Received: 09/10/15 12:17 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	09/11/15 07:15	09/11/15 15:03	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	79-34-5	W
Tetrachloroethene	3030	ug/kg	62.1	25.9	1	09/11/15 07:15	09/11/15 15:03	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/11/15 07:15	09/11/15 15:03	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/11/15 07:15	09/11/15 15:03	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/11/15 07:15	09/11/15 15:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	49-157		1	09/11/15 07:15	09/11/15 15:03	1868-53-7	
Toluene-d8 (S)	112	%	61-148		1	09/11/15 07:15	09/11/15 15:03	2037-26-5	
4-Bromofluorobenzene (S)	96	%	53-134		1	09/11/15 07:15	09/11/15 15:03	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	3.4	%	0.10	0.10	1		09/12/15 12:47		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD
Pace Project No.: 40120874

QC Batch: MSV/30111 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40120874001, 40120874002, 40120874003, 40120874004, 40120874005, 40120874006, 40120874007, 40120874008, 40120874009, 40120874010

METHOD BLANK: 1219003 Matrix: Solid
Associated Lab Samples: 40120874001, 40120874002, 40120874003, 40120874004, 40120874005, 40120874006, 40120874007, 40120874008, 40120874009, 40120874010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	09/11/15 08:53	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	09/11/15 08:53	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	09/11/15 08:53	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	09/11/15 08:53	
1,1-Dichloroethane	ug/kg	<17.6	50.0	09/11/15 08:53	
1,1-Dichloroethene	ug/kg	<17.6	50.0	09/11/15 08:53	
1,1-Dichloropropene	ug/kg	<14.0	50.0	09/11/15 08:53	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	09/11/15 08:53	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	09/11/15 08:53	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	09/11/15 08:53	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	09/11/15 08:53	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	09/11/15 08:53	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	09/11/15 08:53	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	09/11/15 08:53	
1,2-Dichloroethane	ug/kg	<15.0	50.0	09/11/15 08:53	
1,2-Dichloropropane	ug/kg	<16.8	50.0	09/11/15 08:53	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	09/11/15 08:53	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	09/11/15 08:53	
1,3-Dichloropropane	ug/kg	<12.0	50.0	09/11/15 08:53	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	09/11/15 08:53	
2,2-Dichloropropane	ug/kg	<12.6	50.0	09/11/15 08:53	
2-Chlorotoluene	ug/kg	<15.8	50.0	09/11/15 08:53	
4-Chlorotoluene	ug/kg	<13.0	50.0	09/11/15 08:53	
Benzene	ug/kg	<9.2	20.0	09/11/15 08:53	
Bromobenzene	ug/kg	<20.6	50.0	09/11/15 08:53	
Bromochloromethane	ug/kg	<21.4	50.0	09/11/15 08:53	
Bromodichloromethane	ug/kg	<9.8	50.0	09/11/15 08:53	
Bromoform	ug/kg	<19.8	50.0	09/11/15 08:53	
Bromomethane	ug/kg	<69.9	250	09/11/15 08:53	
Carbon tetrachloride	ug/kg	<12.1	50.0	09/11/15 08:53	
Chlorobenzene	ug/kg	<14.8	50.0	09/11/15 08:53	
Chloroethane	ug/kg	<67.0	250	09/11/15 08:53	
Chloroform	ug/kg	<46.4	250	09/11/15 08:53	
Chloromethane	ug/kg	<20.4	50.0	09/11/15 08:53	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	09/11/15 08:53	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	09/11/15 08:53	
Dibromochloromethane	ug/kg	<17.9	50.0	09/11/15 08:53	
Dibromomethane	ug/kg	<19.3	50.0	09/11/15 08:53	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	09/11/15 08:53	
Diisopropyl ether	ug/kg	<17.7	50.0	09/11/15 08:53	

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

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

METHOD BLANK: 1219003

Matrix: Solid

Associated Lab Samples: 40120874001, 40120874002, 40120874003, 40120874004, 40120874005, 40120874006, 40120874007, 40120874008, 40120874009, 40120874010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	09/11/15 08:53	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	09/11/15 08:53	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	09/11/15 08:53	
m&p-Xylene	ug/kg	<34.4	100	09/11/15 08:53	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	09/11/15 08:53	
Methylene Chloride	ug/kg	<16.2	50.0	09/11/15 08:53	
n-Butylbenzene	ug/kg	<10.5	50.0	09/11/15 08:53	
n-Propylbenzene	ug/kg	<11.6	50.0	09/11/15 08:53	
Naphthalene	ug/kg	<40.0	250	09/11/15 08:53	
o-Xylene	ug/kg	<14.0	50.0	09/11/15 08:53	
p-Isopropyltoluene	ug/kg	<12.0	50.0	09/11/15 08:53	
sec-Butylbenzene	ug/kg	<11.9	50.0	09/11/15 08:53	
Styrene	ug/kg	<9.0	50.0	09/11/15 08:53	
tert-Butylbenzene	ug/kg	<9.5	50.0	09/11/15 08:53	
Tetrachloroethene	ug/kg	<12.9	50.0	09/11/15 08:53	
Toluene	ug/kg	<11.2	50.0	09/11/15 08:53	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	09/11/15 08:53	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	09/11/15 08:53	
Trichloroethene	ug/kg	<23.6	50.0	09/11/15 08:53	
Trichlorofluoromethane	ug/kg	<24.7	50.0	09/11/15 08:53	
Vinyl chloride	ug/kg	<21.1	50.0	09/11/15 08:53	
4-Bromofluorobenzene (S)	%	93	53-134	09/11/15 08:53	
Dibromofluoromethane (S)	%	98	49-157	09/11/15 08:53	
Toluene-d8 (S)	%	106	61-148	09/11/15 08:53	

LABORATORY CONTROL SAMPLE: 1219004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2030	81	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2470	99	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2650	106	70-130	
1,1-Dichloroethane	ug/kg	2500	2670	107	70-130	
1,1-Dichloroethene	ug/kg	2500	2410	96	70-132	
1,2,4-Trichlorobenzene	ug/kg	2500	2450	98	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1660	66	45-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2530	101	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2600	104	70-130	
1,2-Dichloroethane	ug/kg	2500	2570	103	70-134	
1,2-Dichloropropane	ug/kg	2500	2800	112	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2640	106	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2520	101	70-130	
Benzene	ug/kg	2500	2550	102	70-130	
Bromodichloromethane	ug/kg	2500	2260	91	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

LABORATORY CONTROL SAMPLE: 1219004

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	1900	76	48-130	
Bromomethane	ug/kg	2500	2470	99	70-169	
Carbon tetrachloride	ug/kg	2500	1940	78	67-130	
Chlorobenzene	ug/kg	2500	2590	104	70-130	
Chloroethane	ug/kg	2500	2700	108	70-191	
Chloroform	ug/kg	2500	2380	95	70-130	
Chloromethane	ug/kg	2500	2100	84	52-132	
cis-1,2-Dichloroethene	ug/kg	2500	2410	96	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2220	89	70-130	
Dibromochloromethane	ug/kg	2500	2120	85	65-130	
Dichlorodifluoromethane	ug/kg	2500	1100	44	12-150	
Ethylbenzene	ug/kg	2500	2500	100	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2500	100	70-130	
m&p-Xylene	ug/kg	5000	5230	105	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2500	100	70-130	
Methylene Chloride	ug/kg	2500	2690	108	70-131	
o-Xylene	ug/kg	2500	2650	106	70-130	
Styrene	ug/kg	2500	2600	104	70-130	
Tetrachloroethene	ug/kg	2500	2360	94	70-130	
Toluene	ug/kg	2500	2680	107	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2660	106	69-130	
trans-1,3-Dichloropropene	ug/kg	2500	1960	79	65-130	
Trichloroethene	ug/kg	2500	2520	101	70-130	
Trichlorofluoromethane	ug/kg	2500	1950	78	50-150	
Vinyl chloride	ug/kg	2500	2080	83	67-134	
4-Bromofluorobenzene (S)	%			90	53-134	
Dibromofluoromethane (S)	%			101	49-157	
Toluene-d8 (S)	%			103	61-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1219005 1219006

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40120874001 Result	Spike Conc.	Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	<25.0	2710	2710	2170	2150	80	79	63-130	1	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	2710	2710	2680	2640	99	97	57-136	2	20		
1,1,2-Trichloroethane	ug/kg	<25.0	2710	2710	2790	2780	103	102	70-130	0	20		
1,1-Dichloroethane	ug/kg	<25.0	2710	2710	2900	2830	107	104	62-131	3	23		
1,1-Dichloroethene	ug/kg	<25.0	2710	2710	2600	2500	96	92	42-137	4	20		
1,2,4-Trichlorobenzene	ug/kg	<47.6	2710	2710	2760	2590	101	95	59-137	6	21		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	2710	2710	1970	1840	72	68	33-150	7	25		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	2710	2710	2670	2640	98	97	70-130	1	20		
1,2-Dichlorobenzene	ug/kg	<25.0	2710	2710	2780	2670	102	98	70-130	4	20		
1,2-Dichloroethane	ug/kg	<25.0	2710	2710	2780	2640	102	97	68-134	5	20		
1,2-Dichloropropane	ug/kg	<25.0	2710	2710	2930	2940	108	108	70-130	0	20		

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

Parameter	Units	1219005		1219006		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		40120874001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/kg	<25.0	2710	2710	2750	2660	101	98	70-130	3	20	
1,4-Dichlorobenzene	ug/kg	<25.0	2710	2710	2600	2660	96	98	69-130	2	20	
Benzene	ug/kg	<25.0	2710	2710	2790	2780	103	102	56-131	0	20	
Bromodichloromethane	ug/kg	<25.0	2710	2710	2410	2540	89	93	64-130	5	20	
Bromoform	ug/kg	<25.0	2710	2710	2190	2220	81	82	48-130	2	20	
Bromomethane	ug/kg	<69.9	2710	2710	3020	3020	111	111	18-169	0	23	
Carbon tetrachloride	ug/kg	<25.0	2710	2710	2130	2050	78	75	59-130	4	20	
Chlorobenzene	ug/kg	<25.0	2710	2710	2820	2780	104	103	70-130	1	20	
Chloroethane	ug/kg	<67.0	2710	2710	3120	3100	115	114	10-191	1	20	
Chloroform	ug/kg	<46.4	2710	2710	2550	2580	94	95	65-130	1	20	
Chloromethane	ug/kg	<25.0	2710	2710	3200	3110	118	114	36-132	3	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	2710	2710	2610	2550	96	94	59-136	2	24	
cis-1,3-Dichloropropene	ug/kg	<25.0	2710	2710	2330	2450	86	90	60-130	5	20	
Dibromochloromethane	ug/kg	<25.0	2710	2710	2340	2360	86	87	59-130	1	20	
Dichlorodifluoromethane	ug/kg	<25.0	2710	2710	2590	2380	95	88	10-150	8	27	
Ethylbenzene	ug/kg	<25.0	2710	2710	2640	2530	97	93	64-130	4	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	2710	2710	2600	2520	96	93	69-138	3	20	
m&p-Xylene	ug/kg	<50.0	5420	5420	5520	5450	102	100	61-130	1	20	
Methyl-tert-butyl ether	ug/kg	<25.0	2710	2710	2790	2680	103	99	52-134	4	20	
Methylene Chloride	ug/kg	<25.0	2710	2710	2950	2910	109	107	61-131	1	20	
o-Xylene	ug/kg	<25.0	2710	2710	2720	2690	100	99	63-130	1	20	
Styrene	ug/kg	<25.0	2710	2710	2730	2810	101	103	70-130	3	20	
Tetrachloroethene	ug/kg	<25.0	2710	2710	2580	2420	95	89	65-130	6	20	
Toluene	ug/kg	<25.0	2710	2710	2830	2730	104	101	65-130	4	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	2710	2710	2830	2800	104	103	55-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	2710	2710	2240	2210	83	81	54-130	2	20	
Trichloroethene	ug/kg	<25.0	2710	2710	2540	2600	94	96	70-130	2	20	
Trichlorofluoromethane	ug/kg	<25.0	2710	2710	2270	2070	84	76	42-150	9	24	
Vinyl chloride	ug/kg	<25.0	2710	2710	2760	2600	102	96	35-134	6	20	
4-Bromofluorobenzene (S)	%						100	102	53-134			
Dibromofluoromethane (S)	%						113	114	49-157			
Toluene-d8 (S)	%						114	113	61-148			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

QC Batch:	PMST/11759	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40120874001, 40120874002, 40120874003, 40120874004, 40120874005, 40120874006, 40120874007, 40120874008, 40120874009, 40120874010		

SAMPLE DUPLICATE: 1220072

Parameter	Units	40121012001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.7	7.7	0	10	

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QUALIFIERS

Project: 0969-01-15 LOCKWOOD

Pace Project No.: 40120874

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

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 LOCKWOOD
Pace Project No.: 40120874

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40120874001	TP-1, S-3	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874002	TP-1, S-4	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874003	TP-2, S-3	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874004	TP-2, S-4	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874005	TP-3, S-3	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874006	TP-3, S-4	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874007	TP-4, S-3	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874008	TP-4, S-1	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874009	SB-1, S-1	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874010	SB-2, S-1	EPA 5035/5030B	MSV/30111	EPA 8260	MSV/30116
40120874001	TP-1, S-3	ASTM D2974-87	PMST/11759		
40120874002	TP-1, S-4	ASTM D2974-87	PMST/11759		
40120874003	TP-2, S-3	ASTM D2974-87	PMST/11759		
40120874004	TP-2, S-4	ASTM D2974-87	PMST/11759		
40120874005	TP-3, S-3	ASTM D2974-87	PMST/11759		
40120874006	TP-3, S-4	ASTM D2974-87	PMST/11759		
40120874007	TP-4, S-3	ASTM D2974-87	PMST/11759		
40120874008	TP-4, S-1	ASTM D2974-87	PMST/11759		
40120874009	SB-1, S-1	ASTM D2974-87	PMST/11759		
40120874010	SB-2, S-1	ASTM D2974-87	PMST/11759		

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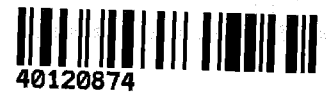
Sample Condition Upon Receipt

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

Project #: **WO# : 40120874**

Client Name: Moch IV Eng.

Courier: Fed Ex UPS Client Pace Other: _____



Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: _____ /Corr: ROI Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining contents:
Date: 9/10/15
Initials: JS

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

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>9/15</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>K8 9/10/15</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>001 no time on any samples; 001 no date x 1 vial; 002 no time; 003-010 no time/date on any samples</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct <u>K8 9/10/15</u>
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: 008 Printed ID says "TP-4, S-4" EM 9/10/15

Project Manager Review: _____

Date: 9-10-15

September 09, 2015

Chad Fradette
Mach IV Engineering & Surveying
211 N. Broadway
Suite 114
Green Bay, WI 54303

RE: Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40120662

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on September 04, 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,



Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

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

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SAMPLE SUMMARY

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40120662001	GP-16, S-1	Solid	09/04/15 11:25	09/04/15 12:30
40120662002	GP-17, S-1	Solid	09/04/15 11:25	09/04/15 12:30
40120662003	GP-18, S-1	Solid	09/04/15 11:25	09/04/15 12:30
40120662004	GP-19, S-1	Solid	09/04/15 11:25	09/04/15 12:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40120662001	GP-16, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120662002	GP-17, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120662003	GP-18, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G
40120662004	GP-19, S-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	CMP	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40120662

Method: EPA 8260
Description: 8260 MSV Med Level Normal List
Client: Mach IV Engineering
Date: September 09, 2015

General Information:

4 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/30065

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40120560028

R1: RPD value was outside control limits.

- MSD (Lab ID: 1217704)
- Toluene

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Sample: GP-16, S-1 **Lab ID: 40120662001** Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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	09/08/15 07:30	09/08/15 21:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/08/15 07:30	09/08/15 21:57	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/08/15 07:30	09/08/15 21:57	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/08/15 07:30	09/08/15 21:57	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/08/15 07:30	09/08/15 21:57	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/08/15 07:30	09/08/15 21:57	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Sample: GP-16, S-1 **Lab ID: 40120662001** Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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	09/08/15 07:30	09/08/15 21:57	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/08/15 07:30	09/08/15 21:57	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/08/15 07:30	09/08/15 21:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 21:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	49-157		1	09/08/15 07:30	09/08/15 21:57	1868-53-7	
Toluene-d8 (S)	100	%	61-148		1	09/08/15 07:30	09/08/15 21:57	2037-26-5	
4-Bromofluorobenzene (S)	93	%	53-134		1	09/08/15 07:30	09/08/15 21:57	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	12.5	%	0.10	0.10	1		09/08/15 10:14		
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Sample: GP-17, S-1 **Lab ID: 40120662002** Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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	09/08/15 07:30	09/08/15 22:20	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/08/15 07:30	09/08/15 22:20	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/08/15 07:30	09/08/15 22:20	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/08/15 07:30	09/08/15 22:20	67-66-3	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Sample: GP-17, S-1 Lab ID: 40120662002 Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/08/15 07:30	09/08/15 22:20	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/08/15 07:30	09/08/15 22:20	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/08/15 07:30	09/08/15 22:20	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	108-67-8	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Sample: GP-17, S-1 **Lab ID: 40120662002** Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/08/15 07:30	09/08/15 22:20	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:20	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	120	%	49-157		1	09/08/15 07:30	09/08/15 22:20	1868-53-7	
Toluene-d8 (S)	109	%	61-148		1	09/08/15 07:30	09/08/15 22:20	2037-26-5	
4-Bromofluorobenzene (S)	99	%	53-134		1	09/08/15 07:30	09/08/15 22:20	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	4.0	%	0.10	0.10	1		09/08/15 10:49		

Sample: GP-18, S-1 **Lab ID: 40120662003** Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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	217	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	71-43-2	
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/08/15 07:30	09/08/15 22:43	74-83-9	W
n-Butylbenzene	71.5	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	104-51-8	
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/08/15 07:30	09/08/15 22:43	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/08/15 07:30	09/08/15 22:43	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/08/15 07:30	09/08/15 22:43	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	107-06-2	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40120662

Sample: GP-18, S-1 **Lab ID: 40120662003** Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	108-20-3	W
Ethylbenzene	234	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	100-41-4	
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	87-68-3	W
Isopropylbenzene (Cumene)	63.2J	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	98-82-8	
p-Isopropyltoluene	36.7J	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	99-87-6	
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	1634-04-4	W
Naphthalene	1050	ug/kg	274	43.9	1	09/08/15 07:30	09/08/15 22:43	91-20-3	
n-Propylbenzene	97.0	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	103-65-1	
Styrene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	79-34-5	W
Tetrachloroethene	126	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	127-18-4	
Toluene	1500	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/08/15 07:30	09/08/15 22:43	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	96-18-4	W
1,2,4-Trimethylbenzene	551	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	95-63-6	
1,3,5-Trimethylbenzene	148	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	108-67-8	
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/08/15 22:43	75-01-4	W
m&p-Xylene	1510	ug/kg	131	54.8	1	09/08/15 07:30	09/08/15 22:43	179601-23-1	
o-Xylene	787	ug/kg	65.7	27.4	1	09/08/15 07:30	09/08/15 22:43	95-47-6	
Surrogates									
Dibromofluoromethane (S)	112	%	49-157		1	09/08/15 07:30	09/08/15 22:43	1868-53-7	
Toluene-d8 (S)	109	%	61-148		1	09/08/15 07:30	09/08/15 22:43	2037-26-5	
4-Bromofluorobenzene (S)	105	%	53-134		1	09/08/15 07:30	09/08/15 22:43	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	8.7	%	0.10	0.10	1		09/08/15 10:49		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Sample: GP-19, S-1 Lab ID: 40120662004 Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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	09/08/15 07:30	09/09/15 10:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	09/08/15 07:30	09/09/15 10:28	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	09/08/15 07:30	09/09/15 10:28	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	09/08/15 07:30	09/09/15 10:28	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	09/08/15 07:30	09/09/15 10:28	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	09/08/15 07:30	09/09/15 10:28	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	100-42-5	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Sample: GP-19, S-1 Lab ID: 40120662004 Collected: 09/04/15 11:25 Received: 09/04/15 12:30 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	09/08/15 07:30	09/09/15 10:28	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	09/08/15 07:30	09/09/15 10:28	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	09/08/15 07:30	09/09/15 10:28	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	09/08/15 07:30	09/09/15 10:28	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	124	%	49-157		1	09/08/15 07:30	09/09/15 10:28	1868-53-7	
Toluene-d8 (S)	100	%	61-148		1	09/08/15 07:30	09/09/15 10:28	2037-26-5	
4-Bromofluorobenzene (S)	100	%	53-134		1	09/08/15 07:30	09/09/15 10:28	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.7	%	0.10	0.10	1		09/08/15 10:49		

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

QC Batch: MSV/30065 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40120662001, 40120662002, 40120662003, 40120662004

METHOD BLANK: 1217701 Matrix: Solid
Associated Lab Samples: 40120662001, 40120662002, 40120662003, 40120662004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	09/08/15 10:21	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	09/08/15 10:21	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	09/08/15 10:21	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	09/08/15 10:21	
1,1-Dichloroethane	ug/kg	<17.6	50.0	09/08/15 10:21	
1,1-Dichloroethene	ug/kg	<17.6	50.0	09/08/15 10:21	
1,1-Dichloropropene	ug/kg	<14.0	50.0	09/08/15 10:21	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	09/08/15 10:21	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	09/08/15 10:21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	09/08/15 10:21	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	09/08/15 10:21	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	09/08/15 10:21	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	09/08/15 10:21	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	09/08/15 10:21	
1,2-Dichloroethane	ug/kg	<15.0	50.0	09/08/15 10:21	
1,2-Dichloropropane	ug/kg	<16.8	50.0	09/08/15 10:21	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	09/08/15 10:21	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	09/08/15 10:21	
1,3-Dichloropropane	ug/kg	<12.0	50.0	09/08/15 10:21	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	09/08/15 10:21	
2,2-Dichloropropane	ug/kg	<12.6	50.0	09/08/15 10:21	
2-Chlorotoluene	ug/kg	<15.8	50.0	09/08/15 10:21	
4-Chlorotoluene	ug/kg	<13.0	50.0	09/08/15 10:21	
Benzene	ug/kg	<9.2	20.0	09/08/15 10:21	
Bromobenzene	ug/kg	<20.6	50.0	09/08/15 10:21	
Bromochloromethane	ug/kg	<21.4	50.0	09/08/15 10:21	
Bromodichloromethane	ug/kg	<9.8	50.0	09/08/15 10:21	
Bromoform	ug/kg	<19.8	50.0	09/08/15 10:21	
Bromomethane	ug/kg	<69.9	250	09/08/15 10:21	
Carbon tetrachloride	ug/kg	<12.1	50.0	09/08/15 10:21	
Chlorobenzene	ug/kg	<14.8	50.0	09/08/15 10:21	
Chloroethane	ug/kg	<67.0	250	09/08/15 10:21	
Chloroform	ug/kg	<46.4	250	09/08/15 10:21	
Chloromethane	ug/kg	<20.4	50.0	09/08/15 10:21	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	09/08/15 10:21	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	09/08/15 10:21	
Dibromochloromethane	ug/kg	<17.9	50.0	09/08/15 10:21	
Dibromomethane	ug/kg	<19.3	50.0	09/08/15 10:21	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	09/08/15 10:21	
Diisopropyl ether	ug/kg	<17.7	50.0	09/08/15 10:21	
Ethylbenzene	ug/kg	<12.4	50.0	09/08/15 10:21	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

METHOD BLANK: 1217701

Matrix: Solid

Associated Lab Samples: 40120662001, 40120662002, 40120662003, 40120662004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	09/08/15 10:21	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	09/08/15 10:21	
m&p-Xylene	ug/kg	<34.4	100	09/08/15 10:21	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	09/08/15 10:21	
Methylene Chloride	ug/kg	<16.2	50.0	09/08/15 10:21	
n-Butylbenzene	ug/kg	<10.5	50.0	09/08/15 10:21	
n-Propylbenzene	ug/kg	<11.6	50.0	09/08/15 10:21	
Naphthalene	ug/kg	<40.0	250	09/08/15 10:21	
o-Xylene	ug/kg	<14.0	50.0	09/08/15 10:21	
p-Isopropyltoluene	ug/kg	<12.0	50.0	09/08/15 10:21	
sec-Butylbenzene	ug/kg	<11.9	50.0	09/08/15 10:21	
Styrene	ug/kg	<9.0	50.0	09/08/15 10:21	
tert-Butylbenzene	ug/kg	<9.5	50.0	09/08/15 10:21	
Tetrachloroethene	ug/kg	<12.9	50.0	09/08/15 10:21	
Toluene	ug/kg	<11.2	50.0	09/08/15 10:21	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	09/08/15 10:21	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	09/08/15 10:21	
Trichloroethene	ug/kg	<23.6	50.0	09/08/15 10:21	
Trichlorofluoromethane	ug/kg	<24.7	50.0	09/08/15 10:21	
Vinyl chloride	ug/kg	<21.1	50.0	09/08/15 10:21	
4-Bromofluorobenzene (S)	%	95	53-134	09/08/15 10:21	
Dibromofluoromethane (S)	%	113	49-157	09/08/15 10:21	
Toluene-d8 (S)	%	99	61-148	09/08/15 10:21	

LABORATORY CONTROL SAMPLE: 1217702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2740	110	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2190	87	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2570	103	70-130	
1,1-Dichloroethane	ug/kg	2500	2510	100	70-130	
1,1-Dichloroethene	ug/kg	2500	2430	97	70-132	
1,2,4-Trichlorobenzene	ug/kg	2500	2210	88	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2250	90	45-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2500	100	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2270	91	70-130	
1,2-Dichloroethane	ug/kg	2500	2590	104	70-134	
1,2-Dichloropropane	ug/kg	2500	2470	99	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2200	88	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2250	90	70-130	
Benzene	ug/kg	2500	2620	105	70-130	
Bromodichloromethane	ug/kg	2500	2820	113	70-130	
Bromoform	ug/kg	2500	2260	90	48-130	
Bromomethane	ug/kg	2500	2530	101	70-169	

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

LABORATORY CONTROL SAMPLE: 1217702

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2740	110	67-130	
Chlorobenzene	ug/kg	2500	2460	98	70-130	
Chloroethane	ug/kg	2500	2560	103	70-191	
Chloroform	ug/kg	2500	2590	104	70-130	
Chloromethane	ug/kg	2500	2110	84	52-132	
cis-1,2-Dichloroethene	ug/kg	2500	2530	101	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2650	106	70-130	
Dibromochloromethane	ug/kg	2500	2260	90	65-130	
Dichlorodifluoromethane	ug/kg	2500	1630	65	12-150	
Ethylbenzene	ug/kg	2500	2440	98	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2540	102	70-130	
m&p-Xylene	ug/kg	5000	5070	101	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2410	97	70-130	
Methylene Chloride	ug/kg	2500	2590	103	70-131	
o-Xylene	ug/kg	2500	2520	101	70-130	
Styrene	ug/kg	2500	2600	104	70-130	
Tetrachloroethene	ug/kg	2500	2330	93	70-130	
Toluene	ug/kg	2500	2370	95	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	2530	101	69-130	
trans-1,3-Dichloropropene	ug/kg	2500	2250	90	65-130	
Trichloroethene	ug/kg	2500	2710	108	70-130	
Trichlorofluoromethane	ug/kg	2500	2690	108	50-150	
Vinyl chloride	ug/kg	2500	2120	85	67-134	
4-Bromofluorobenzene (S)	%			103	53-134	
Dibromofluoromethane (S)	%			107	49-157	
Toluene-d8 (S)	%			99	61-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1217703 1217704

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40120560028	Spike Conc.	MSD Spike Conc.	MSD Result								
1,1,1-Trichloroethane	ug/kg	<25.0	2680	2680	2900	2940	109	110	63-130	1	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	2680	2680	2780	2630	104	98	57-136	6	20		
1,1,2-Trichloroethane	ug/kg	<25.0	2680	2680	2940	2770	110	104	70-130	6	20		
1,1-Dichloroethane	ug/kg	<25.0	2680	2680	2600	2670	97	100	62-131	3	23		
1,1-Dichloroethene	ug/kg	<25.0	2680	2680	2480	2500	93	93	42-137	1	20		
1,2,4-Trichlorobenzene	ug/kg	<47.6	2680	2680	2850	2920	105	108	59-137	2	21		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	2680	2680	2820	2950	106	110	33-150	4	25		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	2680	2680	2910	2890	109	108	70-130	1	20		
1,2-Dichlorobenzene	ug/kg	<25.0	2680	2680	2720	2790	102	104	70-130	3	20		
1,2-Dichloroethane	ug/kg	<25.0	2680	2680	2800	2770	104	103	68-134	1	20		
1,2-Dichloropropane	ug/kg	<25.0	2680	2680	2670	2720	100	102	70-130	2	20		
1,3-Dichlorobenzene	ug/kg	<25.0	2680	2680	2700	2770	101	104	70-130	3	20		
1,4-Dichlorobenzene	ug/kg	<25.0	2680	2680	2660	2830	99	106	69-130	6	20		

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Parameter	Units	40120560028		1217703		1217704		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/kg	43.6J	2680	2680	2890	2900	106	107	56-131	0	20		
Bromodichloromethane	ug/kg	<25.0	2680	2680	3100	3250	116	121	64-130	5	20		
Bromoform	ug/kg	<25.0	2680	2680	2710	2680	101	100	48-130	1	20		
Bromomethane	ug/kg	<69.9	2680	2680	2560	2670	96	100	18-169	4	23		
Carbon tetrachloride	ug/kg	<25.0	2680	2680	2940	3040	110	113	59-130	3	20		
Chlorobenzene	ug/kg	<25.0	2680	2680	2770	2790	104	104	70-130	1	20		
Chloroethane	ug/kg	<67.0	2680	2680	2550	2710	95	101	10-191	6	20		
Chloroform	ug/kg	<46.4	2680	2680	2780	2850	104	107	65-130	3	20		
Chloromethane	ug/kg	<25.0	2680	2680	2050	2180	76	82	36-132	7	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	2680	2680	2720	2820	102	105	59-136	3	24		
cis-1,3-Dichloropropene	ug/kg	<25.0	2680	2680	2940	3000	110	112	60-130	2	20		
Dibromochloromethane	ug/kg	<25.0	2680	2680	2710	2610	101	97	59-130	4	20		
Dichlorodifluoromethane	ug/kg	<25.0	2680	2680	1440	1450	54	54	10-150	1	27		
Ethylbenzene	ug/kg	56.5J	2680	2680	2840	2750	104	101	64-130	3	20		
Isopropylbenzene (Cumene)	ug/kg	45.5J	2680	2680	2940	2910	108	107	69-138	1	20		
m&p-Xylene	ug/kg	216	5350	5350	5910	5680	106	102	61-130	4	20		
Methyl-tert-butyl ether	ug/kg	<25.0	2680	2680	2790	2770	104	104	52-134	1	20		
Methylene Chloride	ug/kg	<25.0	2680	2680	2700	2850	101	106	61-131	5	20		
o-Xylene	ug/kg	228	2680	2680	3080	2930	107	101	63-130	5	20		
Styrene	ug/kg	<25.0	2680	2680	2830	2880	106	108	70-130	2	20		
Tetrachloroethene	ug/kg	<25.0	2680	2680	2770	2620	103	98	65-130	5	20		
Toluene	ug/kg	348	2680	2680	3440	2770	116	91	65-130	22	20	R1	
trans-1,2-Dichloroethene	ug/kg	<25.0	2680	2680	2560	2590	96	97	55-130	1	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	2680	2680	2540	2490	95	93	54-130	2	20		
Trichloroethene	ug/kg	<25.0	2680	2680	2860	2870	107	107	70-130	0	20		
Trichlorofluoromethane	ug/kg	<25.0	2680	2680	2620	2550	98	95	42-150	3	24		
Vinyl chloride	ug/kg	<25.0	2680	2680	2110	2150	79	80	35-134	2	20		
4-Bromofluorobenzene (S)	%						108	107	53-134				
Dibromofluoromethane (S)	%						118	121	49-157				
Toluene-d8 (S)	%						114	108	61-148				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

QC Batch: PMST/11738

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40120662001

SAMPLE DUPLICATE: 1217607

Parameter	Units	40120519009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	26.6	26.4	1	10	

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QUALIFIERS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

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

R1 RPD value was outside control limits.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40120662

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40120662001	GP-16, S-1	EPA 5035/5030B	MSV/30065	EPA 8260	MSV/30066
40120662002	GP-17, S-1	EPA 5035/5030B	MSV/30065	EPA 8260	MSV/30066
40120662003	GP-18, S-1	EPA 5035/5030B	MSV/30065	EPA 8260	MSV/30066
40120662004	GP-19, S-1	EPA 5035/5030B	MSV/30065	EPA 8260	MSV/30066
40120662001	GP-16, S-1	ASTM D2974-87	PMST/11738		
40120662002	GP-17, S-1	ASTM D2974-87	PMST/11739		
40120662003	GP-18, S-1	ASTM D2974-87	PMST/11739		
40120662004	GP-19, S-1	ASTM D2974-87	PMST/11739		

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Sample Condition Upon Receipt

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

Project #:

WO#: 40120662



Client Name: mach W

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: 201 Corr: Biological Tissue is Frozen: yes

Temp Blank Present: yes no

Person examining contents:
Date: 9-4-15
Initials: mm

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

Comments:

Table with 15 rows of inspection items and checkboxes. Items include Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, Sufficient Volume, Containers Intact, Sample Labels match COC, Headspace in VOA Vials, Trip Blank Present, etc.

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: Date/Time:

Comments/ Resolution: RUSH TAT 9-11-15 mm 9-4-15

Project Manager Review:

Date: 9-8-15

November 02, 2015

Chad Fradette
Mach IV Engineering & Surveying
211 N. Broadway
Suite 114
Green Bay, WI 54303

RE: Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40123699

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on October 28, 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,



Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures

cc: Teri Schneider, Mach IV Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

Virginia VELAP ID: 460263

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Virginia VELAP ID: 460263

Virginia VELAP Certification ID: 460263

Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40123699001	SW-1	Solid	10/27/15 09:20	10/28/15 16:30
40123699002	B-1	Solid	10/27/15 11:20	10/28/15 16:30
40123699003	SW-2	Solid	10/28/15 11:40	10/28/15 16:30
40123699004	B-2	Solid	10/28/15 11:55	10/28/15 16:30
40123699005	SW-3	Solid	10/28/15 12:25	10/28/15 16:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40123699

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40123699001	SW-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40123699002	B-1	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40123699003	SW-2	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40123699004	B-2	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
40123699005	SW-3	EPA 8260	SMT	64	PASI-G
		ASTM D2974-87	SKW	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Method: EPA 8260

Description: 8260 MSV Med Level Normal List

Client: Mach IV Engineering

Date: November 02, 2015

General Information:

5 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.

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Sample: SW-1 **Lab ID: 40123699001** Collected: 10/27/15 09:20 Received: 10/28/15 16:30 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	10/29/15 15:16	10/30/15 05:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/29/15 15:16	10/30/15 05:08	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/29/15 15:16	10/30/15 05:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/29/15 15:16	10/30/15 05:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/29/15 15:16	10/30/15 05:08	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/29/15 15:16	10/30/15 05:08	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	100-42-5	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Sample: SW-1 Lab ID: **40123699001** Collected: 10/27/15 09:20 Received: 10/28/15 16:30 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	10/29/15 15:16	10/30/15 05:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	79-34-5	W
Tetrachloroethene	46.3J	ug/kg	65.7	27.4	1	10/29/15 15:16	10/30/15 05:08	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/29/15 15:16	10/30/15 05:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/29/15 15:16	10/30/15 05:08	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	121	%	49-157		1	10/29/15 15:16	10/30/15 05:08	1868-53-7	
Toluene-d8 (S)	122	%	61-148		1	10/29/15 15:16	10/30/15 05:08	2037-26-5	
4-Bromofluorobenzene (S)	97	%	53-134		1	10/29/15 15:16	10/30/15 05:08	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	8.7	%	0.10	0.10	1		10/29/15 15:10		
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Sample: B-1 Lab ID: **40123699002** Collected: 10/27/15 11:20 Received: 10/28/15 16:30 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	10/29/15 15:16	10/30/15 05:31	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/29/15 15:16	10/30/15 05:31	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/29/15 15:16	10/30/15 05:31	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/29/15 15:16	10/30/15 05:31	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY
Pace Project No.: 40123699

Sample: B-1 **Lab ID: 40123699002** Collected: 10/27/15 11:20 Received: 10/28/15 16:30 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							
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/29/15 15:16	10/30/15 05:31	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/29/15 15:16	10/30/15 05:31	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/29/15 15:16	10/30/15 05:31	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	108-67-8	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Sample: B-1 **Lab ID: 40123699002** Collected: 10/27/15 11:20 Received: 10/28/15 16:30 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									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/29/15 15:16	10/30/15 05:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 05:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	49-157		1	10/29/15 15:16	10/30/15 05:31	1868-53-7	
Toluene-d8 (S)	125	%	61-148		1	10/29/15 15:16	10/30/15 05:31	2037-26-5	
4-Bromofluorobenzene (S)	98	%	53-134		1	10/29/15 15:16	10/30/15 05:31	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	7.6	%	0.10	0.10	1		10/29/15 15:10		

Sample: SW-2 **Lab ID: 40123699003** Collected: 10/28/15 11:40 Received: 10/28/15 16:30 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	10/29/15 15:16	10/30/15 21:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/29/15 15:16	10/30/15 21:55	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/29/15 15:16	10/30/15 21:55	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/29/15 15:16	10/30/15 21:55	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/29/15 15:16	10/30/15 21:55	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	107-06-2	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Sample: SW-2 Lab ID: 40123699003 Collected: 10/28/15 11:40 Received: 10/28/15 16:30 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-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/29/15 15:16	10/30/15 21:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/29/15 15:16	10/30/15 21:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/29/15 15:16	10/30/15 21:55	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 21:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	49-157		1	10/29/15 15:16	10/30/15 21:55	1868-53-7	
Toluene-d8 (S)	115	%	61-148		1	10/29/15 15:16	10/30/15 21:55	2037-26-5	
4-Bromofluorobenzene (S)	101	%	53-134		1	10/29/15 15:16	10/30/15 21:55	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	9.7	%	0.10	0.10	1	10/29/15 15:10
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Sample: B-2 **Lab ID: 40123699004** Collected: 10/28/15 11:55 Received: 10/28/15 16:30 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	10/29/15 15:16	10/30/15 22:18	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/29/15 15:16	10/30/15 22:18	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/29/15 15:16	10/30/15 22:18	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/29/15 15:16	10/30/15 22:18	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/29/15 15:16	10/30/15 22:18	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/29/15 15:16	10/30/15 22:18	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	100-42-5	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Sample: B-2 **Lab ID: 40123699004** Collected: 10/28/15 11:55 Received: 10/28/15 16:30 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	10/29/15 15:16	10/30/15 22:18	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/29/15 15:16	10/30/15 22:18	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/29/15 15:16	10/30/15 22:18	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	107	%	49-157		1	10/29/15 15:16	10/30/15 22:18	1868-53-7	
Toluene-d8 (S)	110	%	61-148		1	10/29/15 15:16	10/30/15 22:18	2037-26-5	
4-Bromofluorobenzene (S)	96	%	53-134		1	10/29/15 15:16	10/30/15 22:18	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	21.8	%	0.10	0.10	1		10/29/15 15:10		
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Sample: SW-3 **Lab ID: 40123699005** Collected: 10/28/15 12:25 Received: 10/28/15 16:30 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	10/29/15 15:16	10/30/15 22:41	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	10/29/15 15:16	10/30/15 22:41	74-83-9	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	10/29/15 15:16	10/30/15 22:41	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	10/29/15 15:16	10/30/15 22:41	67-66-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Sample: SW-3 Lab ID: 40123699005 Collected: 10/28/15 12:25 Received: 10/28/15 16:30 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							
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	106-43-4	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	10/29/15 15:16	10/30/15 22:41	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	1634-04-4	W
Naphthalene	<40.0	ug/kg	250	40.0	1	10/29/15 15:16	10/30/15 22:41	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	87-61-6	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	10/29/15 15:16	10/30/15 22:41	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	108-67-8	W

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ANALYTICAL RESULTS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Sample: SW-3 **Lab ID: 40123699005** Collected: 10/28/15 12:25 Received: 10/28/15 16:30 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								
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/29/15 15:16	10/30/15 22:41	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/29/15 15:16	10/30/15 22:41	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	120	%	49-157		1	10/29/15 15:16	10/30/15 22:41	1868-53-7	
Toluene-d8 (S)	118	%	61-148		1	10/29/15 15:16	10/30/15 22:41	2037-26-5	
4-Bromofluorobenzene (S)	102	%	53-134		1	10/29/15 15:16	10/30/15 22:41	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	5.5	%	0.10	0.10	1		10/30/15 08:02		

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

QC Batch: MSV/30974 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40123699001, 40123699002, 40123699003, 40123699004, 40123699005

METHOD BLANK: 1249118 Matrix: Solid
 Associated Lab Samples: 40123699001, 40123699002, 40123699003, 40123699004, 40123699005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	10/29/15 19:29	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	10/29/15 19:29	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	10/29/15 19:29	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	10/29/15 19:29	
1,1-Dichloroethane	ug/kg	<17.6	50.0	10/29/15 19:29	
1,1-Dichloroethene	ug/kg	<17.6	50.0	10/29/15 19:29	
1,1-Dichloropropene	ug/kg	<14.0	50.0	10/29/15 19:29	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	10/29/15 19:29	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	10/29/15 19:29	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	10/29/15 19:29	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	10/29/15 19:29	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	10/29/15 19:29	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	10/29/15 19:29	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	10/29/15 19:29	
1,2-Dichloroethane	ug/kg	<15.0	50.0	10/29/15 19:29	
1,2-Dichloropropane	ug/kg	<16.8	50.0	10/29/15 19:29	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	10/29/15 19:29	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	10/29/15 19:29	
1,3-Dichloropropane	ug/kg	<12.0	50.0	10/29/15 19:29	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	10/29/15 19:29	
2,2-Dichloropropane	ug/kg	<12.6	50.0	10/29/15 19:29	
2-Chlorotoluene	ug/kg	<15.8	50.0	10/29/15 19:29	
4-Chlorotoluene	ug/kg	<13.0	50.0	10/29/15 19:29	
Benzene	ug/kg	<9.2	20.0	10/29/15 19:29	
Bromobenzene	ug/kg	<20.6	50.0	10/29/15 19:29	
Bromochloromethane	ug/kg	<21.4	50.0	10/29/15 19:29	
Bromodichloromethane	ug/kg	<9.8	50.0	10/29/15 19:29	
Bromoform	ug/kg	<19.8	50.0	10/29/15 19:29	
Bromomethane	ug/kg	<69.9	250	10/29/15 19:29	
Carbon tetrachloride	ug/kg	<12.1	50.0	10/29/15 19:29	
Chlorobenzene	ug/kg	<14.8	50.0	10/29/15 19:29	
Chloroethane	ug/kg	<67.0	250	10/29/15 19:29	
Chloroform	ug/kg	<46.4	250	10/29/15 19:29	
Chloromethane	ug/kg	<20.4	50.0	10/29/15 19:29	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	10/29/15 19:29	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	10/29/15 19:29	
Dibromochloromethane	ug/kg	<17.9	50.0	10/29/15 19:29	
Dibromomethane	ug/kg	<19.3	50.0	10/29/15 19:29	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	10/29/15 19:29	
Diisopropyl ether	ug/kg	<17.7	50.0	10/29/15 19:29	
Ethylbenzene	ug/kg	<12.4	50.0	10/29/15 19:29	

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

METHOD BLANK: 1249118

Matrix: Solid

Associated Lab Samples: 40123699001, 40123699002, 40123699003, 40123699004, 40123699005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	31.1J	50.0	10/29/15 19:29	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	10/29/15 19:29	
m&p-Xylene	ug/kg	<34.4	100	10/29/15 19:29	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	10/29/15 19:29	
Methylene Chloride	ug/kg	<16.2	50.0	10/29/15 19:29	
n-Butylbenzene	ug/kg	<10.5	50.0	10/29/15 19:29	
n-Propylbenzene	ug/kg	<11.6	50.0	10/29/15 19:29	
Naphthalene	ug/kg	<40.0	250	10/29/15 19:29	
o-Xylene	ug/kg	<14.0	50.0	10/29/15 19:29	
p-Isopropyltoluene	ug/kg	<12.0	50.0	10/29/15 19:29	
sec-Butylbenzene	ug/kg	<11.9	50.0	10/29/15 19:29	
Styrene	ug/kg	<9.0	50.0	10/29/15 19:29	
tert-Butylbenzene	ug/kg	<9.5	50.0	10/29/15 19:29	
Tetrachloroethene	ug/kg	<12.9	50.0	10/29/15 19:29	
Toluene	ug/kg	<11.2	50.0	10/29/15 19:29	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	10/29/15 19:29	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	10/29/15 19:29	
Trichloroethene	ug/kg	<23.6	50.0	10/29/15 19:29	
Trichlorofluoromethane	ug/kg	<24.7	50.0	10/29/15 19:29	
Vinyl chloride	ug/kg	<21.1	50.0	10/29/15 19:29	
4-Bromofluorobenzene (S)	%	98	53-134	10/29/15 19:29	
Dibromofluoromethane (S)	%	106	49-157	10/29/15 19:29	
Toluene-d8 (S)	%	114	61-148	10/29/15 19:29	

LABORATORY CONTROL SAMPLE: 1249119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2250	90	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2730	109	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2840	113	70-130	
1,1-Dichloroethane	ug/kg	2500	2950	118	70-130	
1,1-Dichloroethene	ug/kg	2500	2610	104	70-132	
1,2,4-Trichlorobenzene	ug/kg	2500	2680	107	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2100	84	45-150	
1,2-Dibromoethane (EDB)	ug/kg	2500	2680	107	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2820	113	70-130	
1,2-Dichloroethane	ug/kg	2500	2680	107	70-134	
1,2-Dichloropropane	ug/kg	2500	2880	115	70-130	
1,3-Dichlorobenzene	ug/kg	2500	2740	110	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2720	109	70-130	
Benzene	ug/kg	2500	2790	112	70-130	
Bromodichloromethane	ug/kg	2500	2450	98	70-130	
Bromoform	ug/kg	2500	2340	94	48-130	
Bromomethane	ug/kg	2500	2640	106	70-169	

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

LABORATORY CONTROL SAMPLE: 1249119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2220	89	67-130	
Chlorobenzene	ug/kg	2500	2830	113	70-130	
Chloroethane	ug/kg	2500	2420	97	70-191	
Chloroform	ug/kg	2500	2620	105	70-130	
Chloromethane	ug/kg	2500	2780	111	52-132	
cis-1,2-Dichloroethene	ug/kg	2500	2550	102	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2390	96	70-130	
Dibromochloromethane	ug/kg	2500	2370	95	65-130	
Dichlorodifluoromethane	ug/kg	2500	2130	85	12-150	
Ethylbenzene	ug/kg	2500	2720	109	70-130	
Isopropylbenzene (Cumene)	ug/kg	2500	2710	109	70-130	
m&p-Xylene	ug/kg	5000	5690	114	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2550	102	70-130	
Methylene Chloride	ug/kg	2500	3090	124	70-131	
o-Xylene	ug/kg	2500	2770	111	70-130	
Styrene	ug/kg	2500	2800	112	70-130	
Tetrachloroethene	ug/kg	2500	2700	108	70-130	
Toluene	ug/kg	2500	2930	117	70-130	
trans-1,2-Dichloroethene	ug/kg	2500	3070	123	69-130	
trans-1,3-Dichloropropene	ug/kg	2500	2450	98	65-130	
Trichloroethene	ug/kg	2500	2600	104	70-130	
Trichlorofluoromethane	ug/kg	2500	2650	106	50-150	
Vinyl chloride	ug/kg	2500	2850	114	67-134	
4-Bromofluorobenzene (S)	%			99	53-134	
Dibromofluoromethane (S)	%			108	49-157	
Toluene-d8 (S)	%			116	61-148	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1249120 1249121

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40123684001	Spike Conc.	Spike Conc.	Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1540	1540	1290	1150	84	75	63-130	11	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1540	1540	1690	1640	110	106	57-136	3	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1540	1540	1780	1770	115	115	70-130	1	20		
1,1-Dichloroethane	ug/kg	<25.0	1540	1540	1710	1700	112	110	62-131	1	23		
1,1-Dichloroethene	ug/kg	<25.0	1540	1540	1510	1300	98	84	42-137	15	20		
1,2,4-Trichlorobenzene	ug/kg	<47.6	1540	1540	1830	1740	119	113	59-137	5	21		
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1540	1540	1270	1350	82	88	33-150	6	25		
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1540	1540	1630	1650	106	108	70-130	2	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1540	1540	1740	1730	113	113	70-130	0	20		
1,2-Dichloroethane	ug/kg	<25.0	1540	1540	1600	1480	104	96	68-134	8	20		
1,2-Dichloropropane	ug/kg	<25.0	1540	1540	1760	1760	114	114	70-130	0	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1540	1540	1710	1650	111	108	70-130	3	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1540	1540	1700	1670	111	108	69-130	2	20		

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QUALITY CONTROL DATA

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Parameter	Units	40123684001		1249120		1249121		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/kg	<25.0	1540	1540	1630	1600	106	104	56-131	2	20		
Bromodichloromethane	ug/kg	<25.0	1540	1540	1440	1510	94	98	64-130	4	20		
Bromoform	ug/kg	<25.0	1540	1540	1460	1490	95	97	48-130	2	20		
Bromomethane	ug/kg	<69.9	1540	1540	1430	1430	93	93	18-169	0	23		
Carbon tetrachloride	ug/kg	<25.0	1540	1540	1210	1090	79	71	59-130	11	20		
Chlorobenzene	ug/kg	<25.0	1540	1540	1720	1740	112	113	70-130	1	20		
Chloroethane	ug/kg	<67.0	1540	1540	1340	1340	87	87	10-191	1	20		
Chloroform	ug/kg	<46.4	1540	1540	1590	1560	103	102	65-130	1	20		
Chloromethane	ug/kg	<25.0	1540	1540	1570	1460	102	95	36-132	7	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1540	1540	1510	1540	99	100	59-136	2	24		
cis-1,3-Dichloropropene	ug/kg	<25.0	1540	1540	1390	1420	91	93	60-130	2	20		
Dibromochloromethane	ug/kg	<25.0	1540	1540	1480	1520	97	99	59-130	2	20		
Dichlorodifluoromethane	ug/kg	<25.0	1540	1540	938	786	61	51	10-150	18	27		
Ethylbenzene	ug/kg	<25.0	1540	1540	1550	1540	101	100	64-130	0	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1540	1540	1560	1480	102	96	69-138	6	20		
m&p-Xylene	ug/kg	<50.0	3080	3080	3320	3250	108	106	61-130	2	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1540	1540	1550	1500	101	98	52-134	3	20		
Methylene Chloride	ug/kg	<25.0	1540	1540	1830	1850	119	121	61-131	1	20		
o-Xylene	ug/kg	<25.0	1540	1540	1630	1600	106	104	63-130	1	20		
Styrene	ug/kg	<25.0	1540	1540	1680	1700	109	110	70-130	1	20		
Tetrachloroethene	ug/kg	<25.0	1540	1540	1560	1420	101	93	65-130	9	20		
Toluene	ug/kg	<25.0	1540	1540	1710	1760	111	114	65-130	3	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1540	1540	1730	1550	113	101	55-130	11	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1540	1540	1420	1460	92	95	54-130	3	20		
Trichloroethene	ug/kg	<25.0	1540	1540	1450	1470	94	96	70-130	2	20		
Trichlorofluoromethane	ug/kg	<25.0	1540	1540	1220	1190	79	77	42-150	2	24		
Vinyl chloride	ug/kg	<25.0	1540	1540	1530	1360	99	88	35-134	12	20		
4-Bromofluorobenzene (S)	%						104	103	53-134				
Dibromofluoromethane (S)	%						114	110	49-157				
Toluene-d8 (S)	%						119	123	61-148				

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

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

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-01-15 LOCKWOOD GALLERY

Pace Project No.: 40123699

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40123699001	SW-1	EPA 5035/5030B	MSV/30974	EPA 8260	MSV/30975
40123699002	B-1	EPA 5035/5030B	MSV/30974	EPA 8260	MSV/30975
40123699003	SW-2	EPA 5035/5030B	MSV/30974	EPA 8260	MSV/30975
40123699004	B-2	EPA 5035/5030B	MSV/30974	EPA 8260	MSV/30975
40123699005	SW-3	EPA 5035/5030B	MSV/30974	EPA 8260	MSV/30975
40123699001	SW-1	ASTM D2974-87	PMST/12054		
40123699002	B-1	ASTM D2974-87	PMST/12054		
40123699003	SW-2	ASTM D2974-87	PMST/12054		
40123699004	B-2	ASTM D2974-87	PMST/12054		
40123699005	SW-3	ASTM D2974-87	PMST/12054		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **Mach 10**
 Branch/Location: **Green Bay**
 Project Contact: **Chad Fradette**
 Phone: **920-615-0019**
 Project Number: **0969-01-15**
 Project Name: **Lockwood Gallery**
 Project State: **WI**
 Sampled By (Print): **Cami Felten**
 Sampled By (Sign): **Cami Felten**

PO #: _____ Regulatory Program: _____

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	SW-1	10/27	0920	S
002	B-1	10/27	2120	S
003	SW-2	10/28	1140	S
004	B-2	10/28	1155	S
005	SW-3	10/28	1225	S



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

CHAIN OF CUSTODY

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

FILTERED? (YES/NO) **N**
 PRESERVATION (CODE)* **F**

Analyses Requested	Y/N										
	Pick Letter										
VOC	N										
	F										

Quote #: _____
 Mail To Contact: **Chad Fradette**
 Mail To Company: **Mach 10**
 Mail To Address: **211 N Broadway Ste 114 Green Bay WI**
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	1-40mlv F 1-4oz pA	

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: Cami Felten Date/Time: 10/28/15 1630 Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____ Relinquished By: _____ Date/Time: _____	Received By: E. M. Pace Date/Time: 10/28/15 1630 Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____ Received By: _____ Date/Time: _____	PACE Project No. 40123699 Receipt Temp = 100 °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact
--	--	---	--



Sample Condition Upon Receipt

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

Project #: WO#: 40123699

Client Name: Mach in / Lockwood Gallery

Courier: Fed Ex UPS Client Pace Other:
Tracking #:



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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: Corr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 10/28/15
Initials: EM

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

Comments:

Table with 15 rows of inspection items and checkboxes. Includes items like 'Chain of Custody Present', 'Short Hold Time Analysis', 'Rush Turn Around Time Requested', 'Sample Labels match COC', and 'Trip Blank Present'.

Client Notification/ Resolution:
Person Contacted: Date/Time:
Comments/ Resolution: If checked, see attached form for additional comments

Project Manager Review: Date: 10-28-15

December 13, 2016

Chad Fradette
Mach IV Engineering
211 N Broadway
Suite 114
Green Bay, WI 54303

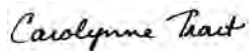
RE: Project: 0969-02-15 Lockwood Gallery
Pace Project No.: 10372503

Dear Chad Fradette:

Enclosed are the analytical results for sample(s) received by the laboratory on December 08, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 0969-02-15 Lockewood Gallery

Pace Project No.: 10372503

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification UST-107

525 N 8th Street, Salina, KS 67401

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 0969-02-15 Lockewood Gallery

Pace Project No.: 10372503

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10372503001	Ambient Air	Air	12/07/16 11:32	12/08/16 12:20
10372503002	Sub-Slab	Air	12/07/16 12:55	12/08/16 12:20
10372503003	Vapor Removal System	Air	12/07/16 12:05	12/08/16 12:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 0969-02-15 Lockwood Gallery

Pace Project No.: 10372503

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10372503001	Ambient Air	TO-15	NCK	61
10372503002	Sub-Slab	TO-15	NCK	61
10372503003	Vapor Removal System	TO-15	NCK	61

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 0969-02-15 Lockewood Gallery

Pace Project No.: 10372503

Method: TO-15

Description: TO15 MSV AIR

Client: Mach IV Engineering

Date: December 13, 2016

General Information:

3 samples were analyzed for TO-15. 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.

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.

Duplicate Sample:

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

Additional Comments:

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-02-15 Lockwood Gallery

Pace Project No.: 10372503

Sample: Ambient Air Lab ID: 10372503001 Collected: 12/07/16 11:32 Received: 12/08/16 12:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Acetone	65.9	ug/m3	3.2	1.1	1.34		12/10/16 15:29	67-64-1	
Benzene	0.57	ug/m3	0.44	0.16	1.34		12/10/16 15:29	71-43-2	
Benzyl chloride	<0.22	ug/m3	3.5	0.22	1.34		12/10/16 15:29	100-44-7	
Bromodichloromethane	<0.26	ug/m3	1.8	0.26	1.34		12/10/16 15:29	75-27-4	
Bromoform	<1.2	ug/m3	2.8	1.2	1.34		12/10/16 15:29	75-25-2	
Bromomethane	<0.42	ug/m3	1.1	0.42	1.34		12/10/16 15:29	74-83-9	
1,3-Butadiene	<0.24	ug/m3	0.60	0.24	1.34		12/10/16 15:29	106-99-0	
2-Butanone (MEK)	22.0	ug/m3	4.0	0.31	1.34		12/10/16 15:29	78-93-3	
Carbon disulfide	<0.14	ug/m3	0.84	0.14	1.34		12/10/16 15:29	75-15-0	
Carbon tetrachloride	0.52J	ug/m3	0.86	0.26	1.34		12/10/16 15:29	56-23-5	
Chlorobenzene	<0.18	ug/m3	1.3	0.18	1.34		12/10/16 15:29	108-90-7	
Chloroethane	<0.26	ug/m3	0.72	0.26	1.34		12/10/16 15:29	75-00-3	
Chloroform	<0.25	ug/m3	0.66	0.25	1.34		12/10/16 15:29	67-66-3	
Chloromethane	1.3	ug/m3	0.56	0.14	1.34		12/10/16 15:29	74-87-3	
Cyclohexane	0.74J	ug/m3	0.94	0.42	1.34		12/10/16 15:29	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.3	1.1	1.34		12/10/16 15:29	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/m3	2.1	1.0	1.34		12/10/16 15:29	106-93-4	
1,2-Dichlorobenzene	<0.69	ug/m3	1.6	0.69	1.34		12/10/16 15:29	95-50-1	
1,3-Dichlorobenzene	<0.71	ug/m3	1.6	0.71	1.34		12/10/16 15:29	541-73-1	
1,4-Dichlorobenzene	<0.67	ug/m3	1.6	0.67	1.34		12/10/16 15:29	106-46-7	
Dichlorodifluoromethane	1.6J	ug/m3	3.4	0.64	1.34		12/10/16 15:29	75-71-8	
1,1-Dichloroethane	<0.21	ug/m3	1.1	0.21	1.34		12/10/16 15:29	75-34-3	
1,2-Dichloroethane	<0.27	ug/m3	0.55	0.27	1.34		12/10/16 15:29	107-06-2	
1,1-Dichloroethene	<0.32	ug/m3	1.1	0.32	1.34		12/10/16 15:29	75-35-4	
cis-1,2-Dichloroethene	<0.33	ug/m3	1.1	0.33	1.34		12/10/16 15:29	156-59-2	
trans-1,2-Dichloroethene	<0.51	ug/m3	1.1	0.51	1.34		12/10/16 15:29	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.3	0.36	1.34		12/10/16 15:29	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.2	0.49	1.34		12/10/16 15:29	10061-01-5	
trans-1,3-Dichloropropene	<0.35	ug/m3	1.2	0.35	1.34		12/10/16 15:29	10061-02-6	
Dichlorotetrafluoroethane	<0.42	ug/m3	1.9	0.42	1.34		12/10/16 15:29	76-14-2	
Ethanol	34.2	ug/m3	1.3	0.36	1.34		12/10/16 15:29	64-17-5	
Ethyl acetate	<0.47	ug/m3	0.98	0.47	1.34		12/10/16 15:29	141-78-6	
Ethylbenzene	<0.57	ug/m3	1.2	0.57	1.34		12/10/16 15:29	100-41-4	
4-Ethyltoluene	<0.25	ug/m3	1.3	0.25	1.34		12/10/16 15:29	622-96-8	
n-Heptane	1.9J	ug/m3	2.8	0.37	1.34		12/10/16 15:29	142-82-5	
Hexachloro-1,3-butadiene	<0.87	ug/m3	2.9	0.87	1.34		12/10/16 15:29	87-68-3	
n-Hexane	3.5	ug/m3	0.96	0.48	1.34		12/10/16 15:29	110-54-3	
2-Hexanone	7.0	ug/m3	5.6	0.55	1.34		12/10/16 15:29	591-78-6	
Methylene Chloride	<0.73	ug/m3	4.7	0.73	1.34		12/10/16 15:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.29	ug/m3	5.6	0.29	1.34		12/10/16 15:29	108-10-1	
Methyl-tert-butyl ether	<0.41	ug/m3	4.9	0.41	1.34		12/10/16 15:29	1634-04-4	
Naphthalene	1.9J	ug/m3	3.6	0.41	1.34		12/10/16 15:29	91-20-3	
2-Propanol	8.6	ug/m3	3.4	0.32	1.34		12/10/16 15:29	67-63-0	
Propylene	<0.18	ug/m3	1.2	0.18	1.34		12/10/16 15:29	115-07-1	
Styrene	<0.26	ug/m3	1.2	0.26	1.34		12/10/16 15:29	100-42-5	
1,1,2,2-Tetrachloroethane	<0.44	ug/m3	0.94	0.44	1.34		12/10/16 15:29	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 0969-02-15 Lockwood Gallery

Pace Project No.: 10372503

Sample: Ambient Air Lab ID: 10372503001 Collected: 12/07/16 11:32 Received: 12/08/16 12:20 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Tetrachloroethene	0.70J	ug/m3	0.92	0.37	1.34		12/10/16 15:29	127-18-4	
Tetrahydrofuran	0.49J	ug/m3	0.80	0.16	1.34		12/10/16 15:29	109-99-9	
Toluene	1.4	ug/m3	1.0	0.21	1.34		12/10/16 15:29	108-88-3	
1,2,4-Trichlorobenzene	<1.2	ug/m3	5.1	1.2	1.34		12/10/16 15:29	120-82-1	
1,1,1-Trichloroethane	<0.33	ug/m3	1.5	0.33	1.34		12/10/16 15:29	71-55-6	
1,1,2-Trichloroethane	<0.33	ug/m3	0.74	0.33	1.34		12/10/16 15:29	79-00-5	
Trichloroethene	<0.37	ug/m3	0.74	0.37	1.34		12/10/16 15:29	79-01-6	
Trichlorofluoromethane	1.3J	ug/m3	1.5	0.18	1.34		12/10/16 15:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.55J	ug/m3	2.1	0.40	1.34		12/10/16 15:29	76-13-1	
1,2,4-Trimethylbenzene	<0.17	ug/m3	1.3	0.17	1.34		12/10/16 15:29	95-63-6	
1,3,5-Trimethylbenzene	<0.25	ug/m3	1.3	0.25	1.34		12/10/16 15:29	108-67-8	
Vinyl acetate	6.1	ug/m3	0.96	0.44	1.34		12/10/16 15:29	108-05-4	
Vinyl chloride	<0.26	ug/m3	0.35	0.26	1.34		12/10/16 15:29	75-01-4	
m&p-Xylene	<1.1	ug/m3	2.4	1.1	1.34		12/10/16 15:29	179601-23-1	
o-Xylene	<0.47	ug/m3	1.2	0.47	1.34		12/10/16 15:29	95-47-6	

Sample: Sub-Slab Lab ID: 10372503002 Collected: 12/07/16 12:55 Received: 12/08/16 12:20 Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
Acetone	138	ug/m3	3.2	1.1	1.34		12/10/16 16:01	67-64-1	
Benzene	8.1	ug/m3	0.44	0.16	1.34		12/10/16 16:01	71-43-2	
Benzyl chloride	<0.22	ug/m3	3.5	0.22	1.34		12/10/16 16:01	100-44-7	
Bromodichloromethane	<0.26	ug/m3	1.8	0.26	1.34		12/10/16 16:01	75-27-4	
Bromoform	<1.2	ug/m3	2.8	1.2	1.34		12/10/16 16:01	75-25-2	
Bromomethane	<0.42	ug/m3	1.1	0.42	1.34		12/10/16 16:01	74-83-9	
1,3-Butadiene	<0.24	ug/m3	0.60	0.24	1.34		12/10/16 16:01	106-99-0	
2-Butanone (MEK)	9.0	ug/m3	4.0	0.31	1.34		12/10/16 16:01	78-93-3	
Carbon disulfide	1.1	ug/m3	0.84	0.14	1.34		12/10/16 16:01	75-15-0	
Carbon tetrachloride	<0.26	ug/m3	0.86	0.26	1.34		12/10/16 16:01	56-23-5	
Chlorobenzene	<0.18	ug/m3	1.3	0.18	1.34		12/10/16 16:01	108-90-7	
Chloroethane	<0.26	ug/m3	0.72	0.26	1.34		12/10/16 16:01	75-00-3	
Chloroform	0.51J	ug/m3	0.66	0.25	1.34		12/10/16 16:01	67-66-3	
Chloromethane	<0.14	ug/m3	0.56	0.14	1.34		12/10/16 16:01	74-87-3	
Cyclohexane	36.0	ug/m3	0.94	0.42	1.34		12/10/16 16:01	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.3	1.1	1.34		12/10/16 16:01	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/m3	2.1	1.0	1.34		12/10/16 16:01	106-93-4	
1,2-Dichlorobenzene	<0.69	ug/m3	1.6	0.69	1.34		12/10/16 16:01	95-50-1	
1,3-Dichlorobenzene	<0.71	ug/m3	1.6	0.71	1.34		12/10/16 16:01	541-73-1	
1,4-Dichlorobenzene	20.1	ug/m3	1.6	0.67	1.34		12/10/16 16:01	106-46-7	
Dichlorodifluoromethane	23.8	ug/m3	3.4	0.64	1.34		12/10/16 16:01	75-71-8	
1,1-Dichloroethane	<0.21	ug/m3	1.1	0.21	1.34		12/10/16 16:01	75-34-3	
1,2-Dichloroethane	<0.27	ug/m3	0.55	0.27	1.34		12/10/16 16:01	107-06-2	

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ANALYTICAL RESULTS

Project: 0969-02-15 Lockewood Gallery

Pace Project No.: 10372503

Sample: Sub-Slab **Lab ID: 10372503002** Collected: 12/07/16 12:55 Received: 12/08/16 12:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
1,1-Dichloroethene	<0.32	ug/m3	1.1	0.32	1.34		12/10/16 16:01	75-35-4	
cis-1,2-Dichloroethene	<0.33	ug/m3	1.1	0.33	1.34		12/10/16 16:01	156-59-2	
trans-1,2-Dichloroethene	<0.51	ug/m3	1.1	0.51	1.34		12/10/16 16:01	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.3	0.36	1.34		12/10/16 16:01	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.2	0.49	1.34		12/10/16 16:01	10061-01-5	
trans-1,3-Dichloropropene	<0.35	ug/m3	1.2	0.35	1.34		12/10/16 16:01	10061-02-6	
Dichlorotetrafluoroethane	<0.42	ug/m3	1.9	0.42	1.34		12/10/16 16:01	76-14-2	
Ethanol	7.4	ug/m3	1.3	0.36	1.34		12/10/16 16:01	64-17-5	
Ethyl acetate	1.8	ug/m3	0.98	0.47	1.34		12/10/16 16:01	141-78-6	
Ethylbenzene	9.8	ug/m3	1.2	0.57	1.34		12/10/16 16:01	100-41-4	
4-Ethyltoluene	4.5	ug/m3	1.3	0.25	1.34		12/10/16 16:01	622-96-8	
n-Heptane	30.2	ug/m3	2.8	0.37	1.34		12/10/16 16:01	142-82-5	
Hexachloro-1,3-butadiene	1.9J	ug/m3	2.9	0.87	1.34		12/10/16 16:01	87-68-3	
n-Hexane	32.6	ug/m3	0.96	0.48	1.34		12/10/16 16:01	110-54-3	
2-Hexanone	<0.55	ug/m3	5.6	0.55	1.34		12/10/16 16:01	591-78-6	
Methylene Chloride	5.8	ug/m3	4.7	0.73	1.34		12/10/16 16:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.29	ug/m3	5.6	0.29	1.34		12/10/16 16:01	108-10-1	
Methyl-tert-butyl ether	<0.41	ug/m3	4.9	0.41	1.34		12/10/16 16:01	1634-04-4	
Naphthalene	19.0	ug/m3	3.6	0.41	1.34		12/10/16 16:01	91-20-3	
2-Propanol	7.1	ug/m3	3.4	0.32	1.34		12/10/16 16:01	67-63-0	
Propylene	<0.18	ug/m3	1.2	0.18	1.34		12/10/16 16:01	115-07-1	
Styrene	2.0	ug/m3	1.2	0.26	1.34		12/10/16 16:01	100-42-5	
1,1,2,2-Tetrachloroethane	<0.44	ug/m3	0.94	0.44	1.34		12/10/16 16:01	79-34-5	
Tetrachloroethene	1370	ug/m3	18.5	7.5	26.8		12/12/16 15:21	127-18-4	
Tetrahydrofuran	<0.16	ug/m3	0.80	0.16	1.34		12/10/16 16:01	109-99-9	
Toluene	37.0	ug/m3	1.0	0.21	1.34		12/10/16 16:01	108-88-3	
1,2,4-Trichlorobenzene	<1.2	ug/m3	5.1	1.2	1.34		12/10/16 16:01	120-82-1	
1,1,1-Trichloroethane	<0.33	ug/m3	1.5	0.33	1.34		12/10/16 16:01	71-55-6	
1,1,2-Trichloroethane	<0.33	ug/m3	0.74	0.33	1.34		12/10/16 16:01	79-00-5	
Trichloroethene	1.2	ug/m3	0.74	0.37	1.34		12/10/16 16:01	79-01-6	
Trichlorofluoromethane	1.5J	ug/m3	1.5	0.18	1.34		12/10/16 16:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	5.3	ug/m3	2.1	0.40	1.34		12/10/16 16:01	76-13-1	
1,2,4-Trimethylbenzene	16.6	ug/m3	1.3	0.17	1.34		12/10/16 16:01	95-63-6	
1,3,5-Trimethylbenzene	4.6	ug/m3	1.3	0.25	1.34		12/10/16 16:01	108-67-8	
Vinyl acetate	<0.44	ug/m3	0.96	0.44	1.34		12/10/16 16:01	108-05-4	
Vinyl chloride	<0.26	ug/m3	0.35	0.26	1.34		12/10/16 16:01	75-01-4	
m&p-Xylene	30.4	ug/m3	2.4	1.1	1.34		12/10/16 16:01	179601-23-1	
o-Xylene	13.2	ug/m3	1.2	0.47	1.34		12/10/16 16:01	95-47-6	

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ANALYTICAL RESULTS

Project: 0969-02-15 Lockwood Gallery

Sample Project No.: 10372503

Sample: Vapor Removal System Lab ID: 10372503003 Collected: 12/07/16 12:05 Received: 12/08/16 12:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
Acetone	35.0	ug/m3	3.2	1.1	1.34		12/10/16 16:32	67-64-1	
Benzene	0.41J	ug/m3	0.44	0.16	1.34		12/10/16 16:32	71-43-2	
Benzyl chloride	<0.22	ug/m3	3.5	0.22	1.34		12/10/16 16:32	100-44-7	
Bromodichloromethane	<0.26	ug/m3	1.8	0.26	1.34		12/10/16 16:32	75-27-4	
Bromoform	<1.2	ug/m3	2.8	1.2	1.34		12/10/16 16:32	75-25-2	
Bromomethane	<0.42	ug/m3	1.1	0.42	1.34		12/10/16 16:32	74-83-9	
1,3-Butadiene	<0.24	ug/m3	0.60	0.24	1.34		12/10/16 16:32	106-99-0	
2-Butanone (MEK)	8.8	ug/m3	4.0	0.31	1.34		12/10/16 16:32	78-93-3	
Carbon disulfide	<0.14	ug/m3	0.84	0.14	1.34		12/10/16 16:32	75-15-0	
Carbon tetrachloride	0.46J	ug/m3	0.86	0.26	1.34		12/10/16 16:32	56-23-5	
Chlorobenzene	<0.18	ug/m3	1.3	0.18	1.34		12/10/16 16:32	108-90-7	
Chloroethane	<0.26	ug/m3	0.72	0.26	1.34		12/10/16 16:32	75-00-3	
Chloroform	<0.25	ug/m3	0.66	0.25	1.34		12/10/16 16:32	67-66-3	
Chloromethane	1.1	ug/m3	0.56	0.14	1.34		12/10/16 16:32	74-87-3	
Cyclohexane	1.5	ug/m3	0.94	0.42	1.34		12/10/16 16:32	110-82-7	
Dibromochloromethane	<1.1	ug/m3	2.3	1.1	1.34		12/10/16 16:32	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/m3	2.1	1.0	1.34		12/10/16 16:32	106-93-4	
1,2-Dichlorobenzene	<0.69	ug/m3	1.6	0.69	1.34		12/10/16 16:32	95-50-1	
1,3-Dichlorobenzene	<0.71	ug/m3	1.6	0.71	1.34		12/10/16 16:32	541-73-1	
1,4-Dichlorobenzene	23.7	ug/m3	1.6	0.67	1.34		12/10/16 16:32	106-46-7	
Dichlorodifluoromethane	1.7J	ug/m3	3.4	0.64	1.34		12/10/16 16:32	75-71-8	
1,1-Dichloroethane	<0.21	ug/m3	1.1	0.21	1.34		12/10/16 16:32	75-34-3	
1,2-Dichloroethane	<0.27	ug/m3	0.55	0.27	1.34		12/10/16 16:32	107-06-2	
1,1-Dichloroethene	<0.32	ug/m3	1.1	0.32	1.34		12/10/16 16:32	75-35-4	
cis-1,2-Dichloroethene	<0.33	ug/m3	1.1	0.33	1.34		12/10/16 16:32	156-59-2	
trans-1,2-Dichloroethene	<0.51	ug/m3	1.1	0.51	1.34		12/10/16 16:32	156-60-5	
1,2-Dichloropropane	<0.36	ug/m3	1.3	0.36	1.34		12/10/16 16:32	78-87-5	
cis-1,3-Dichloropropene	<0.49	ug/m3	1.2	0.49	1.34		12/10/16 16:32	10061-01-5	
trans-1,3-Dichloropropene	<0.35	ug/m3	1.2	0.35	1.34		12/10/16 16:32	10061-02-6	
Dichlorotetrafluoroethane	<0.42	ug/m3	1.9	0.42	1.34		12/10/16 16:32	76-14-2	
Ethanol	17.7	ug/m3	1.3	0.36	1.34		12/10/16 16:32	64-17-5	
Ethyl acetate	<0.47	ug/m3	0.98	0.47	1.34		12/10/16 16:32	141-78-6	
Ethylbenzene	3.5	ug/m3	1.2	0.57	1.34		12/10/16 16:32	100-41-4	
4-Ethyltoluene	4.7	ug/m3	1.3	0.25	1.34		12/10/16 16:32	622-96-8	
n-Heptane	1.8J	ug/m3	2.8	0.37	1.34		12/10/16 16:32	142-82-5	
Hexachloro-1,3-butadiene	<0.87	ug/m3	2.9	0.87	1.34		12/10/16 16:32	87-68-3	
n-Hexane	1.9	ug/m3	0.96	0.48	1.34		12/10/16 16:32	110-54-3	
2-Hexanone	2.8J	ug/m3	5.6	0.55	1.34		12/10/16 16:32	591-78-6	
Methylene Chloride	<0.73	ug/m3	4.7	0.73	1.34		12/10/16 16:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.29	ug/m3	5.6	0.29	1.34		12/10/16 16:32	108-10-1	
Methyl-tert-butyl ether	<0.41	ug/m3	4.9	0.41	1.34		12/10/16 16:32	1634-04-4	
Naphthalene	17.5	ug/m3	3.6	0.41	1.34		12/10/16 16:32	91-20-3	
2-Propanol	4.9	ug/m3	3.4	0.32	1.34		12/10/16 16:32	67-63-0	
Propylene	5.3	ug/m3	1.2	0.18	1.34		12/10/16 16:32	115-07-1	
Styrene	2.4	ug/m3	1.2	0.26	1.34		12/10/16 16:32	100-42-5	
1,1,2,2-Tetrachloroethane	<0.44	ug/m3	0.94	0.44	1.34		12/10/16 16:32	79-34-5	

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ANALYTICAL RESULTS

Project: 0969-02-15 Lockwood Gallery

Pace Project No.: 10372503

Sample: Vapor Removal System **Lab ID: 10372503003** Collected: 12/07/16 12:05 Received: 12/08/16 12:20 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
Tetrachloroethene	13.0	ug/m3	0.92	0.37	1.34		12/10/16 16:32	127-18-4	
Tetrahydrofuran	0.70J	ug/m3	0.80	0.16	1.34		12/10/16 16:32	109-99-9	
Toluene	9.8	ug/m3	1.0	0.21	1.34		12/10/16 16:32	108-88-3	
1,2,4-Trichlorobenzene	<1.2	ug/m3	5.1	1.2	1.34		12/10/16 16:32	120-82-1	
1,1,1-Trichloroethane	<0.33	ug/m3	1.5	0.33	1.34		12/10/16 16:32	71-55-6	
1,1,2-Trichloroethane	<0.33	ug/m3	0.74	0.33	1.34		12/10/16 16:32	79-00-5	
Trichloroethene	<0.37	ug/m3	0.74	0.37	1.34		12/10/16 16:32	79-01-6	
Trichlorofluoromethane	1.3J	ug/m3	1.5	0.18	1.34		12/10/16 16:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	0.58J	ug/m3	2.1	0.40	1.34		12/10/16 16:32	76-13-1	
1,2,4-Trimethylbenzene	14.9	ug/m3	1.3	0.17	1.34		12/10/16 16:32	95-63-6	
1,3,5-Trimethylbenzene	3.6	ug/m3	1.3	0.25	1.34		12/10/16 16:32	108-67-8	
Vinyl acetate	1.5	ug/m3	0.96	0.44	1.34		12/10/16 16:32	108-05-4	
Vinyl chloride	<0.26	ug/m3	0.35	0.26	1.34		12/10/16 16:32	75-01-4	
m&p-Xylene	18.1	ug/m3	2.4	1.1	1.34		12/10/16 16:32	179601-23-1	
o-Xylene	6.3	ug/m3	1.2	0.47	1.34		12/10/16 16:32	95-47-6	

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QUALITY CONTROL DATA

Project: 0969-02-15 Lockwood Gallery
Pace Project No.: 10372503

QC Batch: 451203 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10372503001, 10372503002, 10372503003

METHOD BLANK: 2470885 Matrix: Air
Associated Lab Samples: 10372503001, 10372503002, 10372503003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.25	1.1	12/10/16 09:39	
1,1,2,2-Tetrachloroethane	ug/m3	<0.33	0.70	12/10/16 09:39	
1,1,2-Trichloroethane	ug/m3	<0.25	0.55	12/10/16 09:39	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.30	1.6	12/10/16 09:39	
1,1-Dichloroethane	ug/m3	<0.16	0.82	12/10/16 09:39	
1,1-Dichloroethene	ug/m3	<0.24	0.81	12/10/16 09:39	
1,2,4-Trichlorobenzene	ug/m3	<0.91	3.8	12/10/16 09:39	
1,2,4-Trimethylbenzene	ug/m3	<0.12	1.0	12/10/16 09:39	
1,2-Dibromoethane (EDB)	ug/m3	<0.77	1.6	12/10/16 09:39	
1,2-Dichlorobenzene	ug/m3	<0.51	1.2	12/10/16 09:39	
1,2-Dichloroethane	ug/m3	<0.20	0.41	12/10/16 09:39	
1,2-Dichloropropane	ug/m3	<0.27	0.94	12/10/16 09:39	
1,3,5-Trimethylbenzene	ug/m3	<0.18	1.0	12/10/16 09:39	
1,3-Butadiene	ug/m3	<0.18	0.45	12/10/16 09:39	
1,3-Dichlorobenzene	ug/m3	<0.53	1.2	12/10/16 09:39	
1,4-Dichlorobenzene	ug/m3	<0.50	1.2	12/10/16 09:39	
2-Butanone (MEK)	ug/m3	<0.23	3.0	12/10/16 09:39	
2-Hexanone	ug/m3	<0.41	4.2	12/10/16 09:39	
2-Propanol	ug/m3	<0.24	2.5	12/10/16 09:39	
4-Ethyltoluene	ug/m3	<0.19	1.0	12/10/16 09:39	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.22	4.2	12/10/16 09:39	
Acetone	ug/m3	<0.83	2.4	12/10/16 09:39	
Benzene	ug/m3	<0.12	0.32	12/10/16 09:39	
Benzyl chloride	ug/m3	<0.17	2.6	12/10/16 09:39	
Bromodichloromethane	ug/m3	<0.19	1.4	12/10/16 09:39	
Bromoform	ug/m3	<0.90	2.1	12/10/16 09:39	
Bromomethane	ug/m3	<0.31	0.79	12/10/16 09:39	
Carbon disulfide	ug/m3	<0.10	0.63	12/10/16 09:39	
Carbon tetrachloride	ug/m3	<0.19	0.64	12/10/16 09:39	
Chlorobenzene	ug/m3	<0.13	0.94	12/10/16 09:39	
Chloroethane	ug/m3	<0.19	0.54	12/10/16 09:39	
Chloroform	ug/m3	<0.19	0.50	12/10/16 09:39	
Chloromethane	ug/m3	<0.11	0.42	12/10/16 09:39	
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	12/10/16 09:39	
cis-1,3-Dichloropropene	ug/m3	<0.37	0.92	12/10/16 09:39	
Cyclohexane	ug/m3	<0.32	0.70	12/10/16 09:39	
Dibromochloromethane	ug/m3	<0.86	1.7	12/10/16 09:39	
Dichlorodifluoromethane	ug/m3	<0.48	2.5	12/10/16 09:39	
Dichlorotetrafluoroethane	ug/m3	<0.31	1.4	12/10/16 09:39	
Ethanol	ug/m3	<0.26	0.96	12/10/16 09:39	
Ethyl acetate	ug/m3	<0.35	0.73	12/10/16 09:39	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 0969-02-15 Lockwood Gallery

Pace Project No.: 10372503

METHOD BLANK: 2470885

Matrix: Air

Associated Lab Samples: 10372503001, 10372503002, 10372503003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.42	0.88	12/10/16 09:39	
Hexachloro-1,3-butadiene	ug/m3	<0.65	2.2	12/10/16 09:39	
m&p-Xylene	ug/m3	<0.79	1.8	12/10/16 09:39	
Methyl-tert-butyl ether	ug/m3	<0.30	3.7	12/10/16 09:39	
Methylene Chloride	ug/m3	<0.54	3.5	12/10/16 09:39	
n-Heptane	ug/m3	<0.28	2.1	12/10/16 09:39	
n-Hexane	ug/m3	<0.36	0.72	12/10/16 09:39	
Naphthalene	ug/m3	<0.30	2.7	12/10/16 09:39	
o-Xylene	ug/m3	<0.35	0.88	12/10/16 09:39	
Propylene	ug/m3	<0.14	0.88	12/10/16 09:39	
Styrene	ug/m3	<0.19	0.87	12/10/16 09:39	
Tetrachloroethene	ug/m3	<0.28	0.69	12/10/16 09:39	
Tetrahydrofuran	ug/m3	<0.12	0.60	12/10/16 09:39	
Toluene	ug/m3	<0.15	0.77	12/10/16 09:39	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	12/10/16 09:39	
trans-1,3-Dichloropropene	ug/m3	<0.26	0.92	12/10/16 09:39	
Trichloroethene	ug/m3	<0.28	0.55	12/10/16 09:39	
Trichlorofluoromethane	ug/m3	<0.13	1.1	12/10/16 09:39	
Vinyl acetate	ug/m3	<0.33	0.72	12/10/16 09:39	
Vinyl chloride	ug/m3	<0.20	0.26	12/10/16 09:39	

LABORATORY CONTROL SAMPLE: 2470886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	58.2	105	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	72.9	105	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	59.4	107	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	87.9	113	66-131	
1,1-Dichloroethane	ug/m3	41.1	47.5	116	62-139	
1,1-Dichloroethene	ug/m3	40.3	47.8	119	62-135	
1,2,4-Trichlorobenzene	ug/m3	75.4	77.1	102	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	53.6	107	57-143	
1,2-Dibromoethane (EDB)	ug/m3	78.1	82.5	106	63-150	
1,2-Dichlorobenzene	ug/m3	61.1	65.4	107	57-141	
1,2-Dichloroethane	ug/m3	41.1	44.0	107	61-144	
1,2-Dichloropropane	ug/m3	47	48.2	103	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	50.0	100	54-147	
1,3-Butadiene	ug/m3	22.5	24.6	110	61-140	
1,3-Dichlorobenzene	ug/m3	61.1	69.0	113	51-150	
1,4-Dichlorobenzene	ug/m3	61.1	66.3	108	57-143	
2-Butanone (MEK)	ug/m3	30	28.9	96	66-144	
2-Hexanone	ug/m3	104	109	105	63-147	
2-Propanol	ug/m3	125	145	116	54-146	
4-Ethyltoluene	ug/m3	50	53.3	107	56-150	

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QUALITY CONTROL DATA

Project: 0969-02-15 Lockwood Gallery

Pace Project No.: 10372503

LABORATORY CONTROL SAMPLE: 2470886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	104	108	104	58-150	
Acetone	ug/m3	121	131	109	46-140	
Benzene	ug/m3	32.5	33.0	102	62-141	
Benzyl chloride	ug/m3	52.6	54.0	103	66-138	
Bromodichloromethane	ug/m3	68.1	74.9	110	58-149	
Bromoform	ug/m3	105	133	127	61-150	
Bromomethane	ug/m3	39.5	45.8	116	58-136	
Carbon disulfide	ug/m3	31.6	35.8	113	59-135	
Carbon tetrachloride	ug/m3	64	74.9	117	60-149	
Chlorobenzene	ug/m3	46.8	49.8	106	60-150	
Chloroethane	ug/m3	26.8	31.9	119	61-136	
Chloroform	ug/m3	49.6	50.6	102	65-138	
Chloromethane	ug/m3	21	23.6	113	62-133	
cis-1,2-Dichloroethene	ug/m3	40.3	41.2	102	65-139	
cis-1,3-Dichloropropene	ug/m3	46.1	50.3	109	61-149	
Cyclohexane	ug/m3	35	33.9	97	64-134	
Dibromochloromethane	ug/m3	86.6	99.3	115	59-150	
Dichlorodifluoromethane	ug/m3	50.3	63.7	127	63-134	
Dichlorotetrafluoroethane	ug/m3	71	80.6	113	62-134	
Ethanol	ug/m3	91.6	114	124	50-144	
Ethyl acetate	ug/m3	36.6	37.0	101	55-146	
Ethylbenzene	ug/m3	44.1	44.5	101	59-149	
Hexachloro-1,3-butadiene	ug/m3	108	105	97	42-150	
m&p-Xylene	ug/m3	88.3	93.4	106	59-146	
Methyl-tert-butyl ether	ug/m3	91.6	107	116	64-135	
Methylene Chloride	ug/m3	177	216	123	64-128	
n-Heptane	ug/m3	41.6	43.2	104	64-140	
n-Hexane	ug/m3	35.8	34.9	97	50-138	
Naphthalene	ug/m3	53.3	53.2	100	46-146	
o-Xylene	ug/m3	44.1	43.4	98	54-149	
Propylene	ug/m3	17.5	21.3	122	58-135	
Styrene	ug/m3	43.3	48.1	111	54-150	
Tetrachloroethene	ug/m3	68.9	71.3	103	60-142	
Tetrahydrofuran	ug/m3	30	28.1	94	56-143	
Toluene	ug/m3	38.3	40.2	105	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	49.9	124	67-137	
trans-1,3-Dichloropropene	ug/m3	46.1	52.4	114	59-145	
Trichloroethene	ug/m3	54.6	58.9	108	60-144	
Trichlorofluoromethane	ug/m3	57.1	66.5	116	59-134	
Vinyl acetate	ug/m3	35.8	42.3	118	55-143	
Vinyl chloride	ug/m3	26	29.0	112	63-135	

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QUALITY CONTROL DATA

Project: 0969-02-15 Lockwood Gallery

Pace Project No.: 10372503

SAMPLE DUPLICATE: 2471614

Parameter	Units	10372462002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	<0.37		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	<0.49		25	
1,1,2-Trichloroethane	ug/m3	ND	<0.37		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	0.60J		25	
1,1-Dichloroethane	ug/m3	ND	<0.23		25	
1,1-Dichloroethene	ug/m3	ND	<0.35		25	
1,2,4-Trichlorobenzene	ug/m3	ND	<1.4		25	
1,2,4-Trimethylbenzene	ug/m3	2.3	2.3	1	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	<1.2		25	
1,2-Dichlorobenzene	ug/m3	ND	<0.76		25	
1,2-Dichloroethane	ug/m3	ND	<0.31		25	
1,2-Dichloropropane	ug/m3	ND	<0.40		25	
1,3,5-Trimethylbenzene	ug/m3	ND	1.1J		25	
1,3-Butadiene	ug/m3	ND	<0.26		25	
1,3-Dichlorobenzene	ug/m3	ND	<0.79		25	
1,4-Dichlorobenzene	ug/m3	ND	<0.74		25	
2-Butanone (MEK)	ug/m3	ND	3.5J		25	
2-Hexanone	ug/m3	ND	<0.61		25	
2-Propanol	ug/m3	ND	<0.36		25	
4-Ethyltoluene	ug/m3	ND	1.0J		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	<0.32		25	
Acetone	ug/m3	13.0	13.3	2	25	
Benzene	ug/m3	0.94	0.92	2	25	
Benzyl chloride	ug/m3	ND	<0.25		25	
Bromodichloromethane	ug/m3	ND	<0.29		25	
Bromoform	ug/m3	ND	<1.3		25	
Bromomethane	ug/m3	ND	<0.46		25	
Carbon disulfide	ug/m3	ND	<0.15		25	
Carbon tetrachloride	ug/m3	ND	0.49J		25	
Chlorobenzene	ug/m3	ND	<0.20		25	
Chloroethane	ug/m3	ND	<0.29		25	
Chloroform	ug/m3	ND	<0.28		25	
Chloromethane	ug/m3	ND	0.67		25	
cis-1,2-Dichloroethene	ug/m3	ND	<0.37		25	
cis-1,3-Dichloropropene	ug/m3	ND	<0.55		25	
Cyclohexane	ug/m3	2.3	2.3	0	25	
Dibromochloromethane	ug/m3	ND	<1.3		25	
Dichlorodifluoromethane	ug/m3	ND	0.94J		25	
Dichlorotetrafluoroethane	ug/m3	ND	<0.46		25	
Ethanol	ug/m3	6.9	6.9	0	25	
Ethyl acetate	ug/m3	ND	<0.52		25	
Ethylbenzene	ug/m3	5.8	5.7	1	25	
Hexachloro-1,3-butadiene	ug/m3	ND	<0.97		25	
m&p-Xylene	ug/m3	3.8	3.7	3	25	
Methyl-tert-butyl ether	ug/m3	ND	<0.45		25	
Methylene Chloride	ug/m3	5.6	5.9	5	25	
n-Heptane	ug/m3	ND	1.3J		25	

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QUALITY CONTROL DATA

Project: 0969-02-15 Lockewood Gallery

Pace Project No.: 10372503

SAMPLE DUPLICATE: 2471614

Parameter	Units	10372462002 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	2.8	2.8	2	25	
Naphthalene	ug/m3	48.9	50.3	3	25	
o-Xylene	ug/m3	1.4	1.4	2	25	
Propylene	ug/m3	ND	<0.20		25	
Styrene	ug/m3	ND	<0.29		25	
Tetrachloroethene	ug/m3	6.7	6.8	2	25	
Tetrahydrofuran	ug/m3	12.4	12.3	1	25	
Toluene	ug/m3	7.2	7.1	2	25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.57		25	
trans-1,3-Dichloropropene	ug/m3	ND	<0.39		25	
Trichloroethene	ug/m3	ND	<0.41		25	
Trichlorofluoromethane	ug/m3	ND	1.3J		25	
Vinyl acetate	ug/m3	ND	<0.49		25	
Vinyl chloride	ug/m3	ND	<0.29		25	

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QUALIFIERS

Project: 0969-02-15 Lockewood Gallery

Pace Project No.: 10372503

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0969-02-15 Lockwood Gallery

Pace Project No.: 10372503

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10372503001	Ambient Air	TO-15	451203		
10372503002	Sub-Slab	TO-15	451203		
10372503003	Vapor Removal System	TO-15	451203		

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10372503



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	22638
Company: <i>Mach IV Engineering</i>	Report To: <i>Chad Fradette</i>	Attention: <i>Same</i>	Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Address: <i>211 N Broadway Ste 14, Green Bay WI 54303</i>	Copy To:	Company Name: <i>Same</i>	
Email To: <i>cfradette@mach-iv.com</i>	Purchase Order No: <i>09109-02-15</i>	Address:	Location of Sampling by State: <i>WI</i> Reporting Units ug/m ³ <input type="checkbox"/> mg/m ³ <input type="checkbox"/> PPBV <input type="checkbox"/> PPMV <input type="checkbox"/> Other <input type="checkbox"/>
Phone: <i>920 615 0019</i>	Project Name: <i>Lockwood Exhler</i>	Pace Quote Reference:	
Requested Due Date/TAT:	Project Number: <i>09109-02-15</i>	Pace Project Manager/Sales Rep.	Report Level: II ___ III ___ IV ___ Other ___
		Pace Profile #:	

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:							Pace Lab ID		
					COMPOSITE START		COMPOSITE -						PM10	3C-Fixed Gas (%)	TO-3	TO-9M (Methane)	TO-14 (PCBs)	TO-13 (PAH)	TO-14		TO-15	TO-15 Short List
					DATE	TIME	DATE	TIME														
1	Ambient Air		6LC		12-7-16	1030	1132	12/7/16	28	0	2812	FC0673								X	001	
2	Sub-slab		6LC		12-7-16	1148	12/7/16	1255	28	0	1662	FC2859								X	002	
3	Vapor Removal System		6LC		12-7-16	1100	12/7/16	1205	29	0	2305	FC0693								X	003	
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Comments :	RELIQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
		<i>Chad Fradette</i>	12/7/2016	1436	<i>Joe Lopez</i>	12/7/16	1436		Y/N	Y/N	Y/N
	<i>Joe Lopez</i>	12/7/2016	1455	<i>Chad Fradette</i>	12/7/16	1455		Y/N	Y/N	Y/N	Y/N
				<i>Frank Pace</i>	12/8/16	1220	AMS	Y/N	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY)				

ORIGINAL

Air Sample Condition Upon Receipt

Client Name:

Mach IV

Project #:

WO# : 10372503



Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: *ju Hro*

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 B88A0143310098

151401163 151401164

Temp should be above freezing to 6°C Correction Factor: *X*

Date & Initials of Person Examining Contents: *2/28/16*

Type of ice Received Blue Wet None

Comments:

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

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: *Carolynne Trust*

Date: 12/9/16

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

APPENDIX D
WASTE DISPOSAL DOCUMENTATION



September 9th, 2015

Mach IV Engineering
Chad Fradette, EP, Chem
211 N Broadway, Suite 114
Green Bay, WI
Office 920-569-5765 / Mobile 920-615-0019
cfradette@mach-iv.com

Project: Project No 0969-02-15 / 7 S. 2nd Ave Sturgeon Bay, WI

Dear Chad,

Waste Management of Wisconsin is pleased to provide you with pricing for disposal per your request. Based upon the information provided, the following summarizes our quotation.

DISPOSAL FACILITY:

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, WI 54247

WASTE STREAMS

Waste Description	Tetrachloroethylene Contaminated Soil
Disposal Method	Direct landfill
Estimated Volume	210 tons
Disposal Price	\$20.00 per ton
Wisconsin Generator Tax	\$13.00 per ton
Landfill Environmental Fee	\$16.00 per load
Disposal Fuel Surcharge	Waived
Profile Approval Fee	Waived
Transportation	Customer Managed

ANALYTICAL TESTING REQUIREMENTS:

Complete and submit profile with analytical testing attached – submit online www.wmsolutions.com
(To accept Tetrachloroethylene contaminated soil WM requires a 8260B scan. The totals would need to be below the WI DNR contained out ruling thresholds. Any total results exceeding the 20 times rule would also require a TCLP.)

SPECIAL CONDITIONS:

Waste must meet acceptability criteria at the site and comply with local, state and federal regulations, as well as the sites permit requirements. Pricing is contingent upon analytical testing and approval. Customers must have a current Waste Management Industrial Service Agreement.

Pricing is open for consideration for a period of 30 days. Upon acceptance, pricing remains in effect up to and including 60 days from the date of the quote. Pricing based solely on the information available at this time. Additional information may be required prior to approval.

Please do not hesitate to contact me at the phone number below with any questions you may have or if you require any further assistance.

Sincerely,

Daniel Roddan
Industrial Account Manager
Manufacturing & Industrial
droddan1@wm.com
(920) 539-1167



Requested Facility: Ridgeview RDF Profile Number: 123826WI
Multiple Generator Locations (Attach Locations) Request Certificate of Disposal Renewal? Original Profile Number:

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: Mach IV Engineering
2. Site Address: 7 S. 2nd Ave
3. County: Door
4. Contact Name: Chad M Fradette
5. Email: cfradette@mach-iv.com
6. Phone: (920) 615-0019
8. Generator EPA ID: N/A
9. State ID: 02-15-576022

B. BILLING INFORMATION

SAME AS GENERATOR

1. Billing Name: Mach IV Engineering & Surveying LLC
2. Billing Address: 211 N Broadway, Ste 114
3. Contact Name: Chad M Fradette
4. Email: cfradette@mach-iv.com
5. Phone: (920) 615-0019
6. Fax: (920) 569-5767
7. WM Hauled? Yes No
8. P.O. Number: 0969-02-15
9. Payment Method: Credit Account Cash Credit Card

C. MATERIAL INFORMATION

1. Common Name: Chlorinated Solvent Impacted Soil
Describe Process Generating Material: See Attached
Soil from adjacent to former dry cleaner where spills occurred historically. Dry cleaner operation from 1930s to 1960s. Release prior to 1980, does not exhibit hazardous characteristics, below site specific health based direct contact
2. Material Composition and Contaminants: See Attached
Table with 2 columns: Contaminant, Concentration
3. State Waste Codes: N/A
4. Color: brown
5. Physical State at 70°F: Solid
6. Free Liquid Range Percentage: N/A
7. pH: N/A
8. Strong Odor: No
9. Flash Point: <140°F 140°-199°F >=200°F

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? Yes* No
2. State Hazardous Waste? Yes No
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? Yes* No
4. Contains Underlying Hazardous Constituents? Yes* No
5. From an industry regulated under Benzene NESHAP? Yes* No
6. Facility remediation subject to 40 CFR 63 GGGGG? Yes* No
7. CERCLA or State-mandated clean-up? Yes* No
8. NRC or State-regulated radioactive or NORM waste? Yes* No
9. Contains PCBs? If Yes, answer a, b and c. Yes No
a. Regulated by 40 CFR 761? Yes No
b. Remediation under 40 CFR 761.61 (a)? Yes No
c. Were PCB imported into the US? Yes No
10. Regulated and/or Untreated Medical/Infectious Waste? Yes No
11. Contains Asbestos? Yes No
If Yes: Non-Friable Non-Friable - Regulated Friable

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached Yes
Please identify applicable samples and/or lab reports:
Samples GP-8, S-1 for highest concentration
2. Other information attached (such as MSDS)? Yes

F. SHIPPING AND DOT INFORMATION

1. One-Time Event Repeat Event/Ongoing Business
2. Estimated Quantity/Unit of Measure: 210
Tons Yards Drums Gallons Other:
3. Container Type and Size: dump truck
4. USDOT Proper Shipping Name: N/A

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided.

If I am an agent signing on behalf of the Generator, I have confirmed with the Generator that information contained in this Profile is accurate and complete.

Name (Print): Chad Fradette Date: 10/09/2015
Title: Director of Environmental Services
Company: Mach IV Engineering & Surveying, LLC

Certification Signature

Handwritten signature of Chad M Fradette



Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 123826WI

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1): If more space is needed, please attach additional pages.

levels, therefore LDRs do not apply and waste is not defined as a hazardous waste. Chlorinated solvent concentration in soil below WI DNR Contained Out Threshold

Material Composition and Contaminants (Continued from page 1): If more space is needed, please attach additional pages.

Table with 2 columns: Material Composition and Contaminants, and Total composition must be equal to or greater than 100%. Rows 5-9.

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers:

Empty box for listing USEPA listed and characteristic waste code numbers.

- b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)?
c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)?
d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)?

2. State Hazardous Waste -> Please list all state waste codes:

3. For material that is Treated, Delisted, or Excluded -> Please indicate the category, below:

- Delisted Hazardous Waste, Excluded Waste under 40 CFR 261.4, Treated Hazardous Waste Debris, Treated Characteristic Hazardous Waste

4. Underlying Hazardous Constituents -> Please list all Underlying Hazardous Constituents:

Empty box for listing underlying hazardous constituents.

5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.

- a. Are you a TSDF?
b. Does this material contain benzene?
c. What is your facility's current total annual benzene quantity in Megagrams?
d. Is this waste soil from a remediation?
e. Does the waste contain >10% water/moisture?
f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw?
g. Is material exempt from controls in accordance with 40 CFR 61.342?
h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF?

6. 40 CFR 63 GGGGG -> Does the material contain <500 ppmw VOHAPs at the point of determination?

7. CERCLA or State-Mandated clean up -> Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal.

8. NRC or state regulated radioactive or NORM Waste -> Please identify Isotopes and pCi/g:



11557816

10000

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, MI, 54247
Ph:

Original
Ticket# 930359

Customer Name MACHIVENGINEERING MACH IV ENG Carrier PEINHARDT
Ticket Date 10/27/2015 Vehicle# 20
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0001282
State Waste Code A-24-06 Gen EPA ID
Manifest *
Destination SOUTH
PO 0969-02-15
Profile V123826WI (Chlorinated Solvent Impacted Soil)
Generator 136-MACHIVENGINEERING MACH IV ENGINEERING

Volume

20.79

	Time	Scale	Operator	Inbound	Gross	
In	10/27/2015 10:22:18	Scale1	KN		70040 lb	
Out	10/27/2015 10:33:33	Scale1	KN		28460 lb	
					Net	41580 lb
					Tons	20.79

Comments



WASTE MANAGEMENT

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	20.79	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				

Total Tax
Total Ticket

DRIVER'S SIGNATURE

David [Signature]

0000

0000

0000





11557846

Ridgeview POF
6207 Hempton Lake Road
Whitelaw, OH, 54247
Ph:

Original
Ticket# 936384

Customer Name	MACHIVENGINEERING MACH IV ENG	Carrier	LILY DAY TRUCKING	Volume
Ticket Date	10/27/2015	Vehicle#	105	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0001202	
State Waste Code	A-24-06	Gen EPA ID		
Manifest	*			
Destination	SOUTH			
PO	0969-02-15			
Profile	, V123826WI (Chlorinated Solvent Impacted Soil)			
Generator	136-MACHIVENGINEERING MACH IV ENGINEERING			

	Time	Scale	Operator	Inbound	Gross	
In	10/27/2015 11:25:02	Scale1	KN			74100 lb
Out	10/27/2015 11:45:02	Scale1	KN		Tare	27960 lb
					Net	46140 lb
					Tons	23.07

Comments

WASTE MANAGEMENT

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	23.07	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				

DRIVER'S SIGNATURE

Total Tax
Total Ticket





11557847

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, WI, 54247
Ph:

Original
Ticket# 936385

Customer Name	MACHIVENGINEERING MACH IV ENG	Carrier	LILY BAY TRUCKING	Volume
Ticket Date	10/27/2015	Vehicle#	39	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0001282	
State Waste Code	A-24-06	Gen EPA ID		
Manifest	*			
Destination	SOUTH			
PO	0969-02-15			
Profile	V123826WI (Chlorinated Solvent Impacted Soil)			
Generator	136-MACHIVENGINEERING MACH IV ENGINEERING			

	Time	Scale	Operator	Inbound	Gross	70640 lb
In	10/27/2015 11:26:00	Scales	KN		Tare	27740 lb
Out	10/27/2015 11:45:31	Scales	KN		Net	42900 lb
					Tons	21.45

Comments:

WASTE MANAGEMENT

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	21.45	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				

Total Tax
Total Ticket

DRIVER'S SIGNATURE





11557891

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, WI, 54247
Ph:

Original
Ticket# 930438

Customer Name MACHIVENGINEERING MACH IV ENG Carrier REINHARDT
Ticket Date 10/27/2015 Vehicle# 20
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0001282
State Waste Code A-24-06 Gen EPA ID
Manifest *
Destination SOUTH
PO 0969-02-15
Profile V123826WI (Chlorinated Solvent Impacted Soil)
Generator 136-MACHIVENGINEERING MACH IV ENGINEERING

Volume

Time
In 10/27/2015 14:07:14
Out 10/27/2015 14:16:49

Scale
Scale1
Scale1

Operator
KN
KN

Inbound

Gross 71560 lb
Tare 28720 lb
Net 42840 lb
Tons 21.42

Comments

WASTE MANAGEMENT

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	21.42	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				

DRIVER'S SIGNATURE

Total Tax
Total Ticket



11557944

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, WI, 54247
Ph:

Original
Ticket# 936494

Customer Name	MACHIVENGINEERING MACH IV ENG	Carrier	REINHARDT
Ticket Date	10/28/2015	Vehicle#	20
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0001282
State Waste Code	A-24-06	Gen EPA ID	
Manifest	*		
Destination	SOUTH		
PO	0969-02-15		
Profile	V123826WI (Chlorinated Solvent Impacted Soil)		
Generator	13E-MACHIVENGINEERING MACH IV ENGINEERING		

Volume

	Time	Scale	Operator	Inbound	Gross	74880 lb
In	10/28/2015 09:54:39	Scale1	KN		Tare	28700 lb
Out	10/28/2015 10:04:41	Scale1	KN		Net	46180 lb
					Tons	23.09

Comments



Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	23.09	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				

Total Tax
Total Ticket

DRIVER'S SIGNATURE





11557951

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, WI, 54247
Ph:

Original
Ticket# 930499

Customer Name MACHIVENGINEERING MACH IV ENG Carrier LILY BAY TRUCKING
Ticket Date 10/28/2015 Vehicle# 105 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0001282
State Waste Code A-24-06 Gen EPA ID
Manifest *
Destination SOUTH
PO 0969-02-15
Profile V123826WI (Chlorinated Solvent Impacted Soil)
Generator 136-MACHIVENGINEERING MACH IV ENGINEERING

	Time	Scale	Operator	Inbound	Gross	
In	10/28/2015 10:13:23	Scale1	KN		63400 lb	
Out	10/28/2015 10:24:42	Scale1	KN		28140 lb	
					Net	41260 lb
					Tons	20.63

Comments



Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	20.63	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				

DRIVER'S SIGNATURE

Total Tax
Total Ticket



11557954

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, WI, 54247
Ph:

Original
Ticket# 936503

Customer Name	MACHIVENGINEERING MACH IV ENG	Carrier	LILY BAY TRUCKING	Volume
Ticket Date	10/28/2015	Vehicle#	105	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0001282	
State Waste Code	A-24-06	Gen EPA ID		
Manifest #	*			
Destination	SOUTH			
PO	0969-02-15			
Profile	V123826WI (Chlorinated Solvent Impacted Soil)			
Generator	136-MACHIVENGINEERING MACH IV ENGINEERING			

	Time	Scale	Operator	Inbound	Gross	72660 lb
In	10/28/2015 10:26:15	Scaled	KN		Tare	26900 lb
Out	10/28/2015 10:38:14	Scaled	KN		Net	45760 lb
					Tons	22.88

Comments:



Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	22.88	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L Standard Env	100	1	Load				

DRIVER'S SIGNATURE

Total Tax
Total Ticket





11557993

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, WI, 54247
Ph:

Original
Ticket# 936540

Customer Name MACHIVENGINEERING MACH IV ENG Carrier REINHARDT
Ticket Date 10/28/2015 Vehicle# 20
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0001282
State Waste Code A-24-06 Den EPA ID
Manifest *
Destination SOUTH
PO 0969-02-15
Profile V123826WI (Chlorinated Solvent Impacted Soil)
Generator 136-MACHIVENGINEERING MACH IV ENGINEERING

Volume

Time	Scale	Operator	Inbound	Gross	
In 10/28/2015 13:24:51	Scale1	KN		68460 lb	
Out 10/28/2015 13:37:49	Scale1	KN		Tare 28620 lb	
				Net 39840 lb	
				Tons 19.92	

Comments

WASTE MANAGEMENT

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	19.92	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 EVF-L-Standard Env	100	1	Load				

Total Tax
Total Ticket

DRIVER'S SIGNATURE

David T...





11557995

Ridgeview RDF
6207 Hampton Lake Road
Whitelaw, WI, 54247
Ph:

Original
Ticket# 000546

Customer Name MACHIVENGINEERING MACH IV ENG Carrier LILY BAY TRUCKING
Ticket Date 10/28/2015 Vehicle# 105 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0001289
State Waste Code A-24-06 Gen EPA ID
Manifest *
Destination SOUTH
PO 0909-02-15
Profile V123826WI (Chlorinated Solvent Impacted Soil)
Generator 136-MACHIVENGINEERING MACH IV ENGINEERING

	Time	Scale	Operator	Inbound	Gross	
In	10/28/2015 13:39:28	Scale1	KN		73080	lb
Out	10/28/2015 13:51:44	Scale1	KN		27960	lb
					Net	45120 lb
					Tons	22.56

Comments

WASTE MANAGEMENT

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UDM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-9	100	22.56	Tons				
2 FUEL Fuel Surcharg	100		%				
3 CVF-L Standard Env	100	1	Load				

DRIVER'S SIGNATURE

Total Tax
Total Ticket





11557998

Ridgeview RDF
6207 Hempton Lake Road
Whitelaw, WI. 54247
Ph:

Original
Ticket# 036548

Customer Name	MACHIVENGINEERING MACH IV ENG	Carrier	LILY BAY TRUCKING	Volume
Ticket Date	10/28/2015	Vehicle#	109	
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0001202	
State Waste Code	A-24-06	Gen EPA ID		
Manifest	*			
Destination	SOUTH			
PO	0969-02-15			
Profile	V123826WI (Chlorinated Solvent Impacted Soil)			
Generator	136-MACHIVENGINEERING MACH IV ENGINEERING			

	Time	Scale	Operator	Inbound	Gross	70700 lb
In	10/28/2015 13:52:59	Scale1	KN		Tare	26820 lb
Out	10/28/2015 14:03:40	Scale1	KN		Net	43880 lb
					Tons	21.94

Comments



WASTE MANAGEMENT

Hours of Operation: M-F 7:00-4:00 Saturday 7:00-12:00

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Spwaste VOC-Tons-S	100	21.94	Tons				
2 FUEL-Fuel Surcharg	100		%				
3 CVF-L-Standard Env	100	1	Load				

DRIVER'S SIGNATURE

Total Tax
Total Ticket



68

Location 7 South 2nd Ave Date 10-27-15Project / Client Lockwood Gallery 10-28-15
0969-O.T.-15 Excavation

	Leave	Return	Tons	
Trk 20	0848	1215	20.79	
Trk 39	0910	—	21.45	
Trk 105	0946	—	23.07	Lily Bay Trucking
Trk 20	1240	0430	21.42	

10/28/15

TRK 20	0813	1133	23.09
Trk 105	0838	1141	20.63
Trk 109	0850	—	21.94
Trk 20	1141	1535	19.92
Trk 105	1155	—	22.56

Total 194.87 Tons

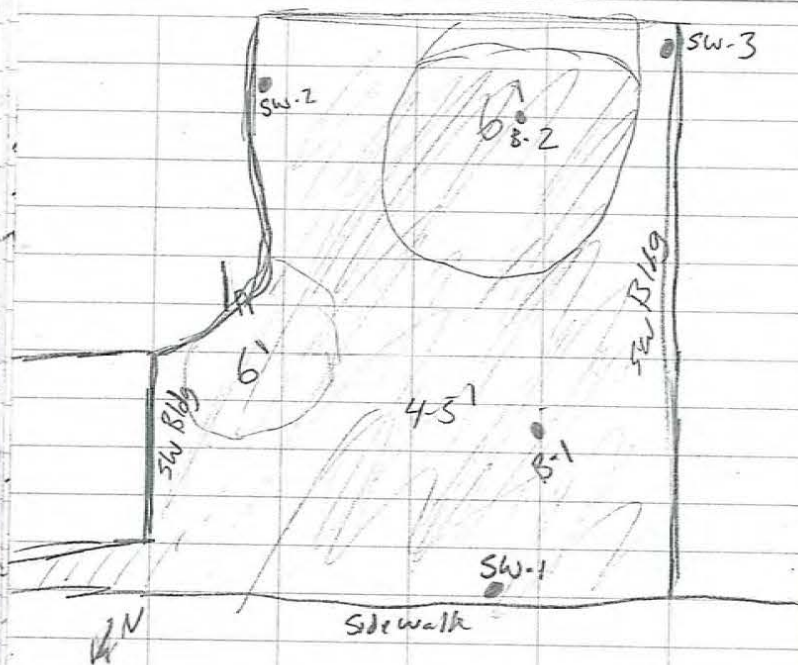
rcizo@yahoo.com - Gary

Lily Bay Trucking - 743-2312

69

Location 7 South 2nd Ave Date 10-27-15Project / Client Lockwood Gallery 10-28-15

- Arrived on-site @ 0730
- Road was built on site to access excavation area
- Telephone line near adjacent building was exposed during excavation
- Concrete slab was cut near door for removal during excavation
- 2 power poles near excavation area will be avoided
- Excavation near bldg - 5' due to foundation
- 10/27/15 Trk 39 & 105 not returning until 10/28/15.
Trk 20 took second load
- 10/27 - 6 loads of fill clay and sand
- County U - Soil Specialist - Fill is natural right out of bank

Location 7 South 2nd Ave Date 10-27-15Project / Client Lockwood Gallery 10-28-15

SW-1 taken 4ft bgs on 10-27-15

B-1 taken @ 5ft bgs on 10-27-15

SW-2 taken @ 4ft bgs on 10/28/15

B-2 taken @ 7ft bgs on 10/28/15

SW-3 taken @ SPT bgs on 10/28/15

Location _____ Date _____

Project / Client _____

Location Lockwood Gallery Date 12-7-2016 ³¹

Project / Client 0969-02-15

Samples TO-15 summary.

ambient air

28 PS16 start 1130 OPS16 1132

Sub-slab

29 PS16 start 1100 OPS16 1255

vapor removal system.

26 PS16 start 1148 OPS16 1205



Excavation area, 7 South 2nd Ave, Sturgeon Bay, WI



Gravel driveway built to access excavation area



View of excavation looking north



View of excavation area



View of excavation area near building



View of excavation area looking west, utility pipe exposed



View of concrete slab removed from building



View of excavation area



View of excavation looking east, clean fill



Excavation area, clean fill



View of clean fill



View of compacted fill



Start of excavation on day 2



View of excavation



Excavation area



Excavation of hot spot



Excavation area, clean fill



View of completed excavation area looking north



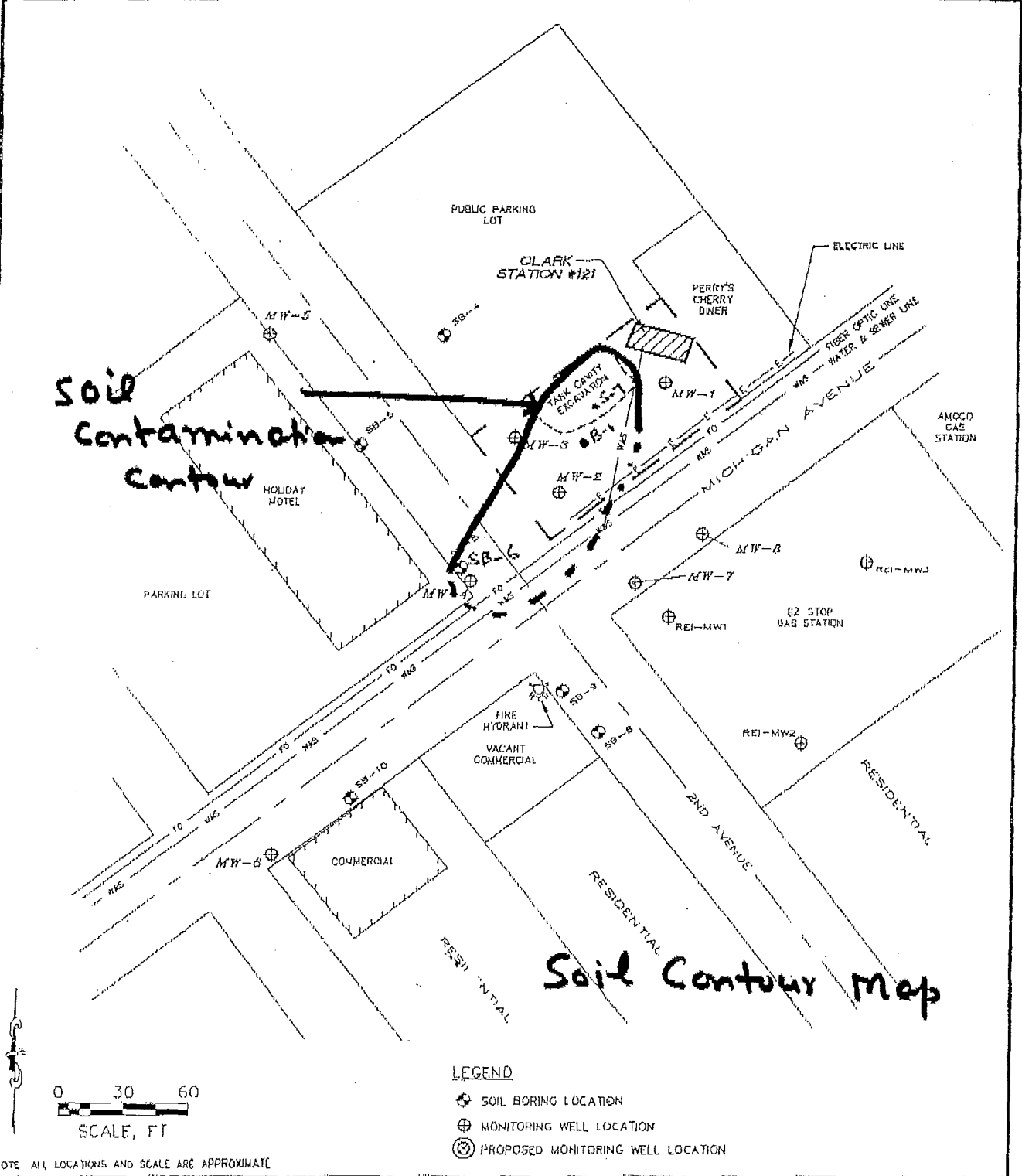
View of completed excavation area looking east



View of completed excavation area looking south

APPENDIX E


CLARK STATION #121 INFORMATION

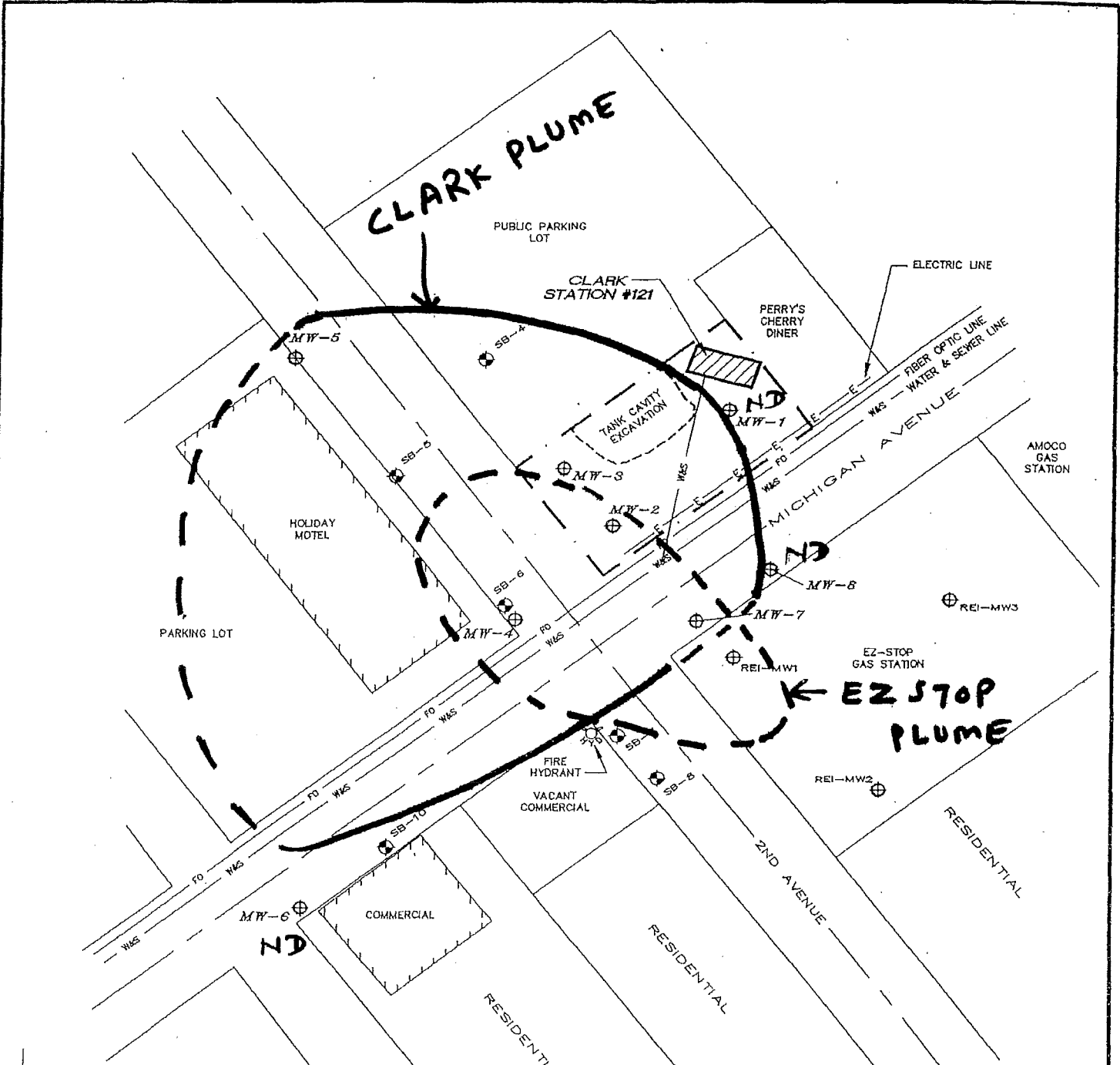


LEGEND

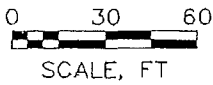
- ⊕ SOIL BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- ⊕ PROPOSED MONITORING WELL LOCATION

NOTE: ALL LOCATIONS AND SCALE ARE APPROXIMATE

<p>SITE PLAN</p> <p>CLARK STATION #121 214 MICHIGAN AVENUE STURGEON BAY, WISCONSIN</p>	DATE: 1/3/01	FILE: 00001 0128
	DRAWN BY BK CAD FILE EXHIBIT	FIGURE: NO 1
<p>350 Business Park Drive ATC Sun Prairie, Wisconsin 53590 Ph: (608) 825-2171 Fax: (608) 825-0117</p> 		



Groundwater Isoconcentration Map



- LEGEND**
- ⊕ SOIL BORING LOCATION
 - ⊕ MONITORING WELL LOCATION
 - ⊗ PROPOSED MONITORING WELL LOCATION

NOTE: ALL LOCATIONS AND SCALE ARE APPROXIMATE

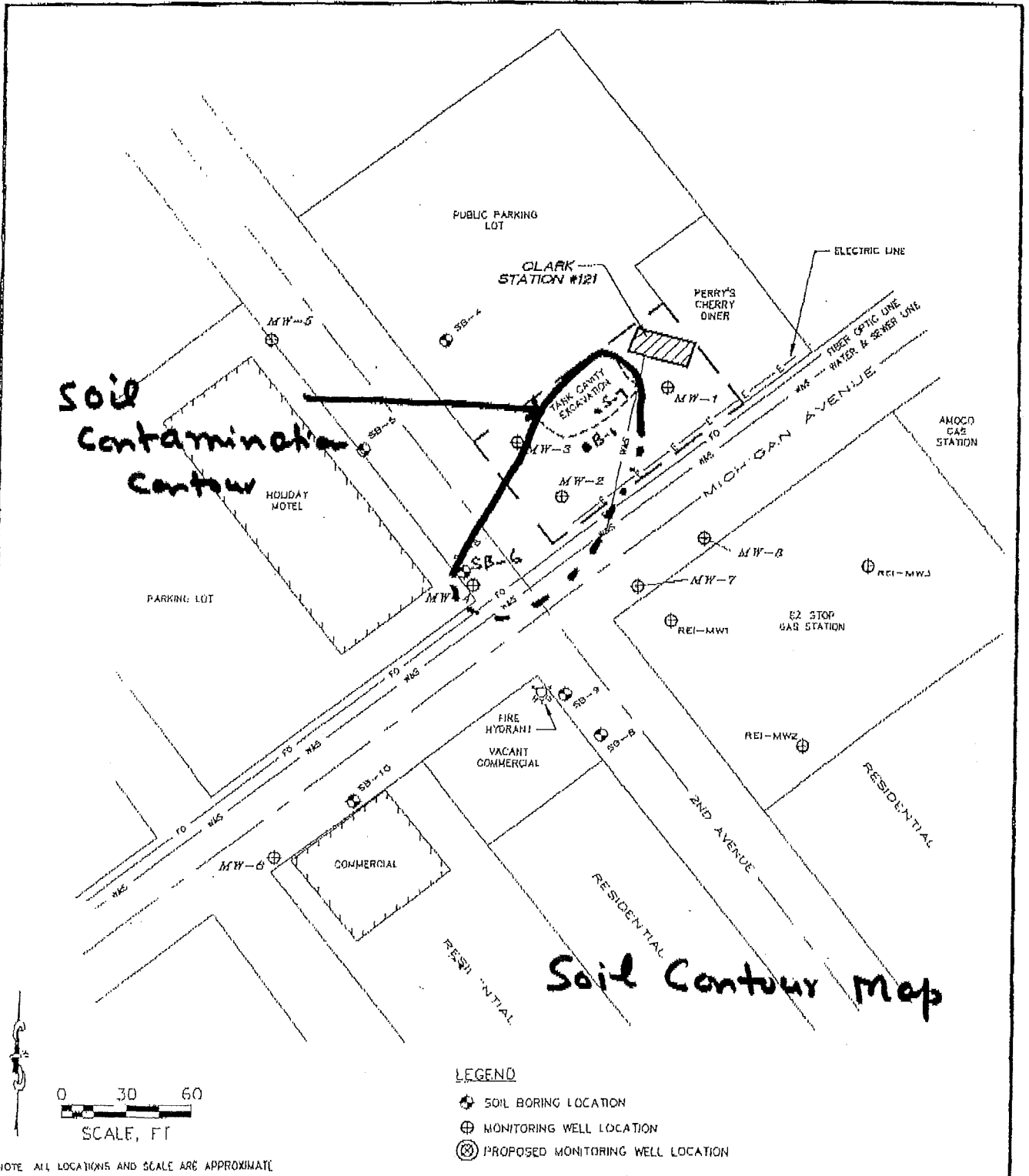
SITE PLAN

CLARK STATION #121
214 MICHIGAN AVENUE
STURGEON BAY, WISCONSIN

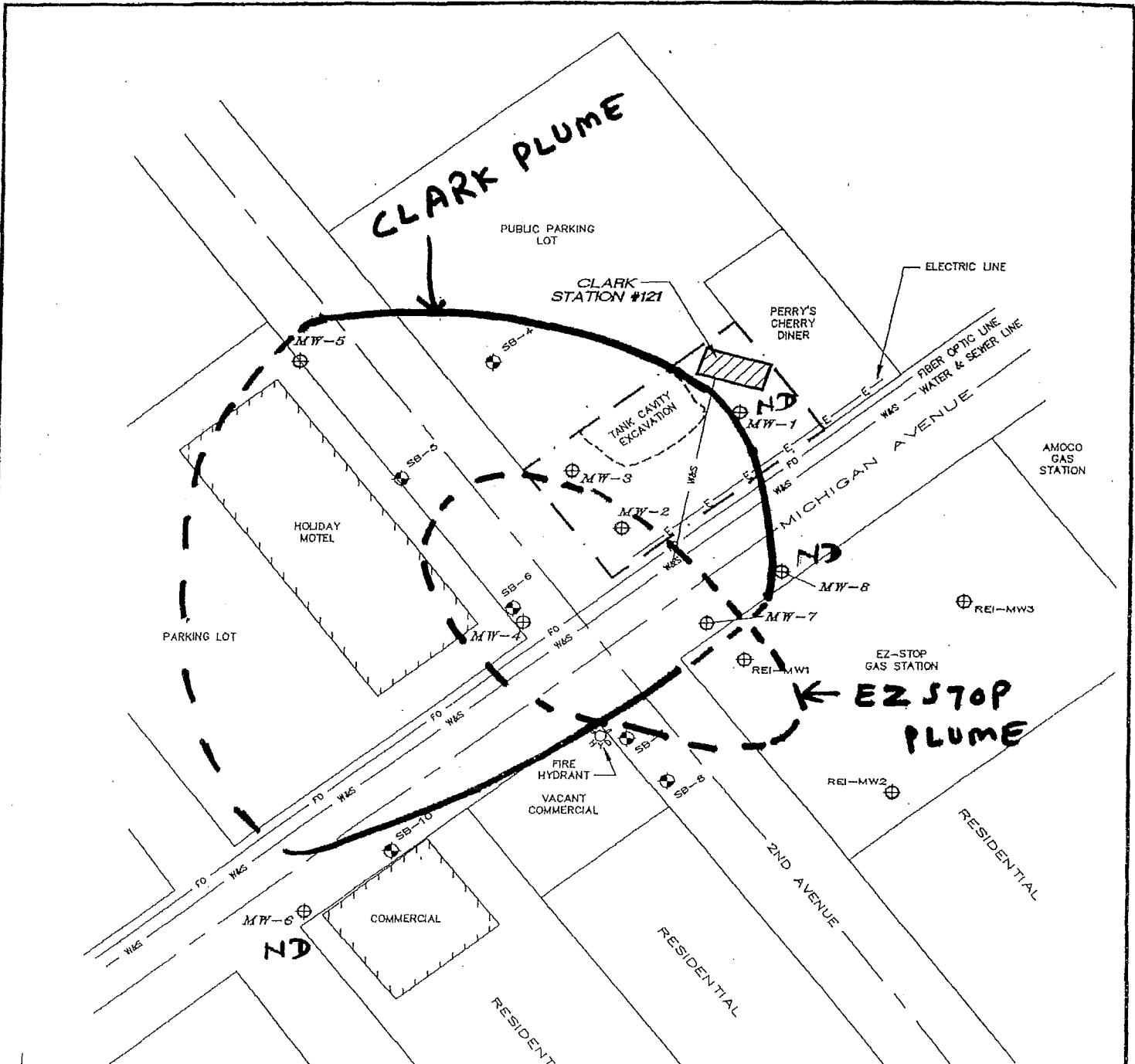
DATE: 1/3/01	FILE: 00001.0128
DRAWN BY: BK	FIGURE: NO.1
CAD FILE: EXHBITA1	

350 Business Park Drive ATC
Sun Prairie, Wisconsin 53590
Ph: (608) 825-2171 Fax: (608) 825-0117

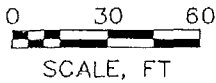




SITE PLAN CLARK STATION #121 214 MICHIGAN AVENUE STURGEON BAY, WISCONSIN	DATE: 1/3/01	FILE: 00001 0128
	DRAWN BY BK CAD FILE EXHIBIT A	FIGURE: NO 1
350 Business Park Drive ATC Sun Prairie, Wisconsin 53590 Ph: (608) 825-2171 Fax: (608) 825-0117		



Groundwater Isoconcentration Map



NOTE: ALL LOCATIONS AND SCALE ARE APPROXIMATE

LEGEND


- ⊕ SOIL BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- ⊗ PROPOSED MONITORING WELL LOCATION

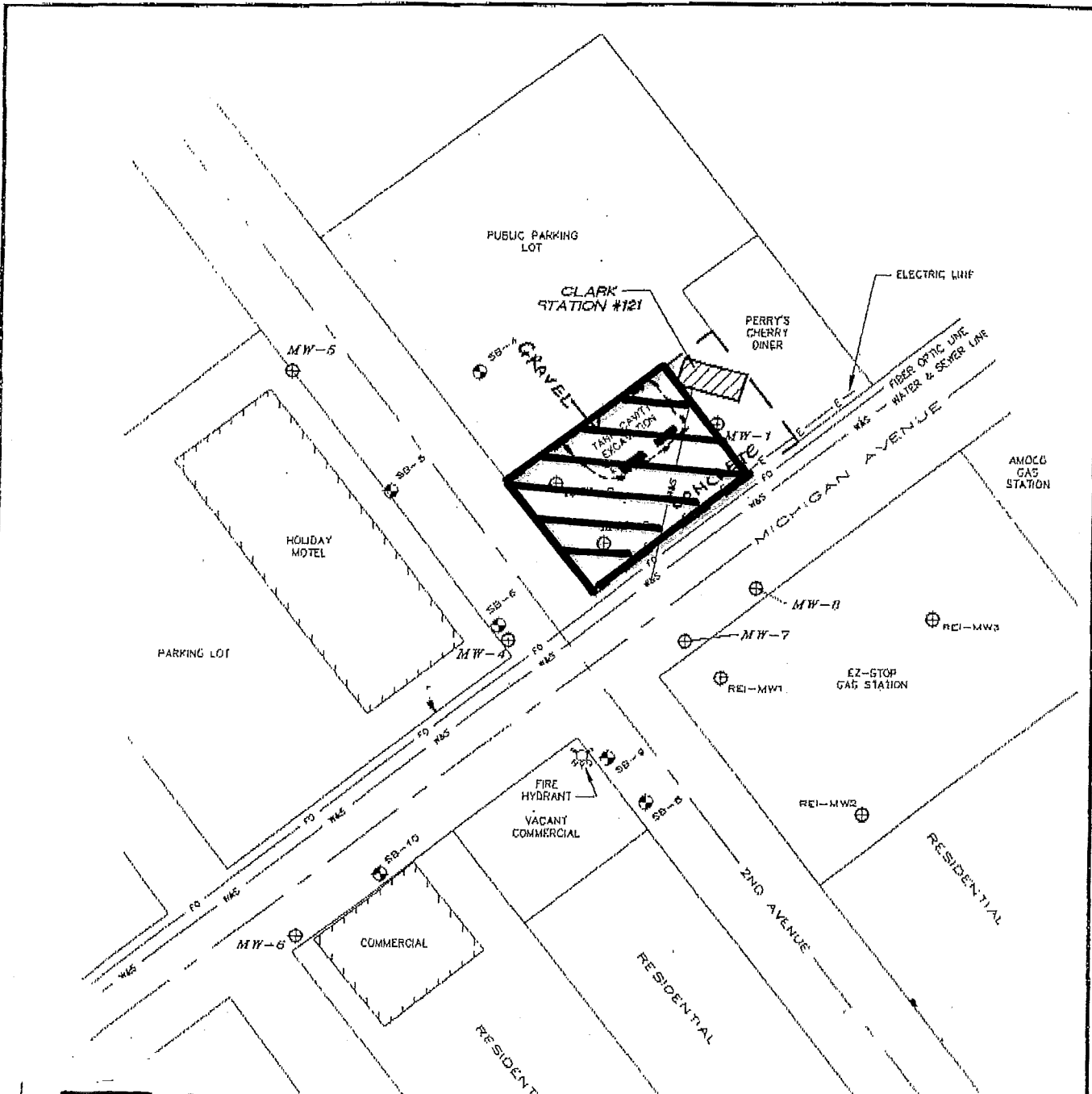
SITE PLAN


CLARK STATION #121
214 MICHIGAN AVENUE
STURGEON BAY, WISCONSIN

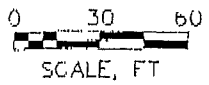
DATE: 1/3/01	FILE: 00001.0128
DRAWN BY: BK	FIGURE: NO.1
CAD FILE: EXHBITA1	

350 Business Park Drive **ATC**
Sun Prairie, Wisconsin 53590
Ph: (608) 825-2171 Fax: (608) 825-0117








 Area to be maintained

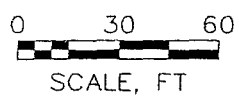
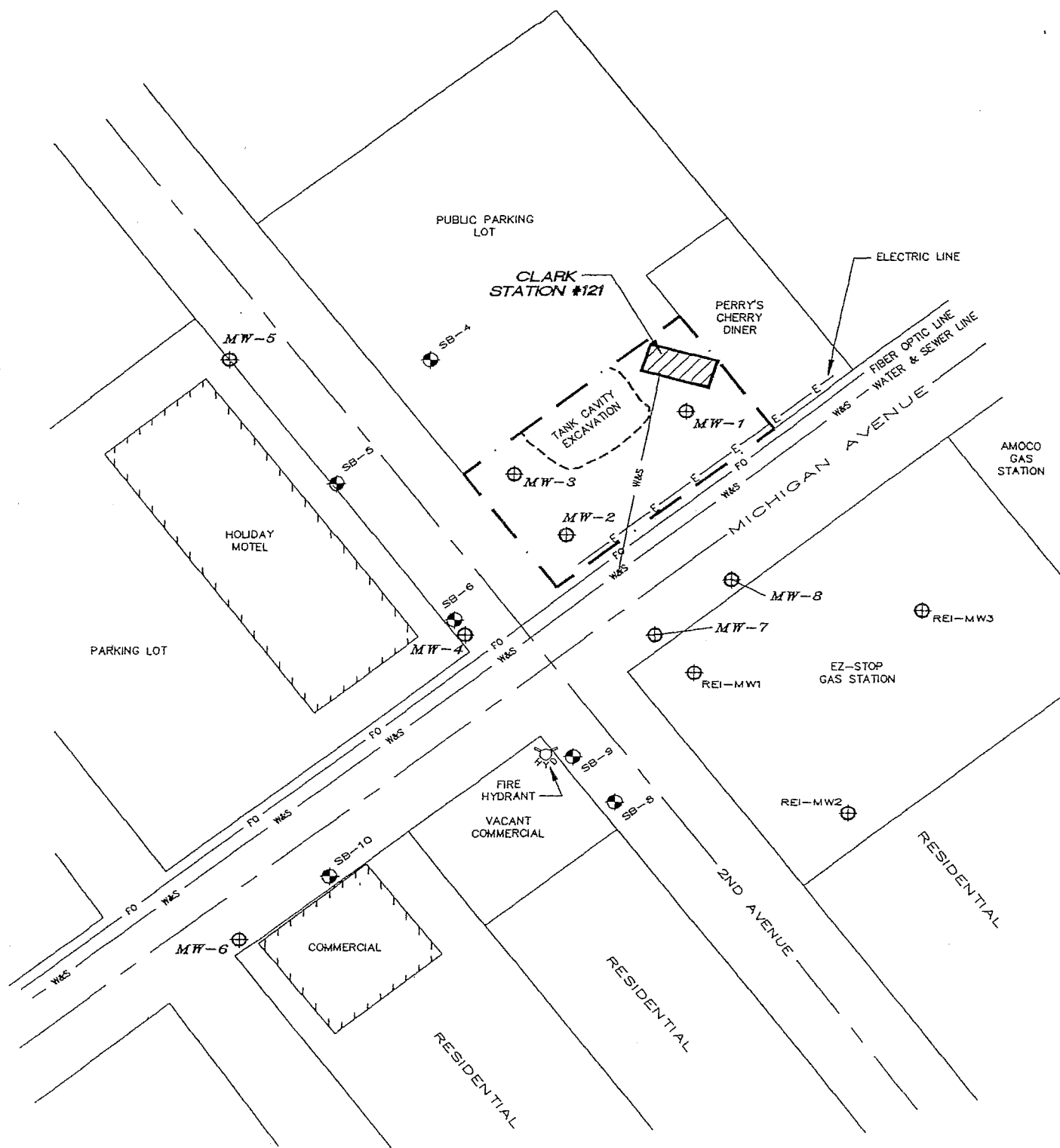


NOTE: ALL LOCATIONS AND SCALE ARE APPROXIMATE

FIG. 1: CAP MAINTENANCE AREA and Existing Surface cover

- LEGEND
-  SOIL BORING LOCATION
 -  MONITORING WELL LOCATION
 -  PROPOSED MONITORING WELL LOCATION

<p>SITE PLAN</p> <p>CLARK STATION #121 214 MICHIGAN AVENUE STURGEON BAY, WISCONSIN</p>	DATE: 1/3/01	FILE: 00001.0128
	DRAWN BY: BK	FIGURE: NO 1
<p>350 Business Park Drive ATC Sun Prairie, Wisconsin 53590 Ph: (608) 825 2171 Fax: (608) 825-0117</p> 		



- LEGEND**
- ⊕ SOIL BORING LOCATION
 - ⊕ MONITORING WELL LOCATION
 - ⊗ PROPOSED MONITORING WELL LOCATION

NOTE: ALL LOCATIONS AND SCALE ARE APPROXIMATE

SITE PLAN

CLARK STATION #121
214 MICHIGAN AVENUE
STURGEON BAY, WISCONSIN

DATE: 1/3/01	FILE: 00001.0128
DRAWN BY: BK	FIGURE: NO.1
CAD FILE: EXHBITA1	

350 Business Park Drive **ATC**
 Sun Prairie, Wisconsin 53590
 Ph: (608) 825-2171 Fax: (608) 825-0117

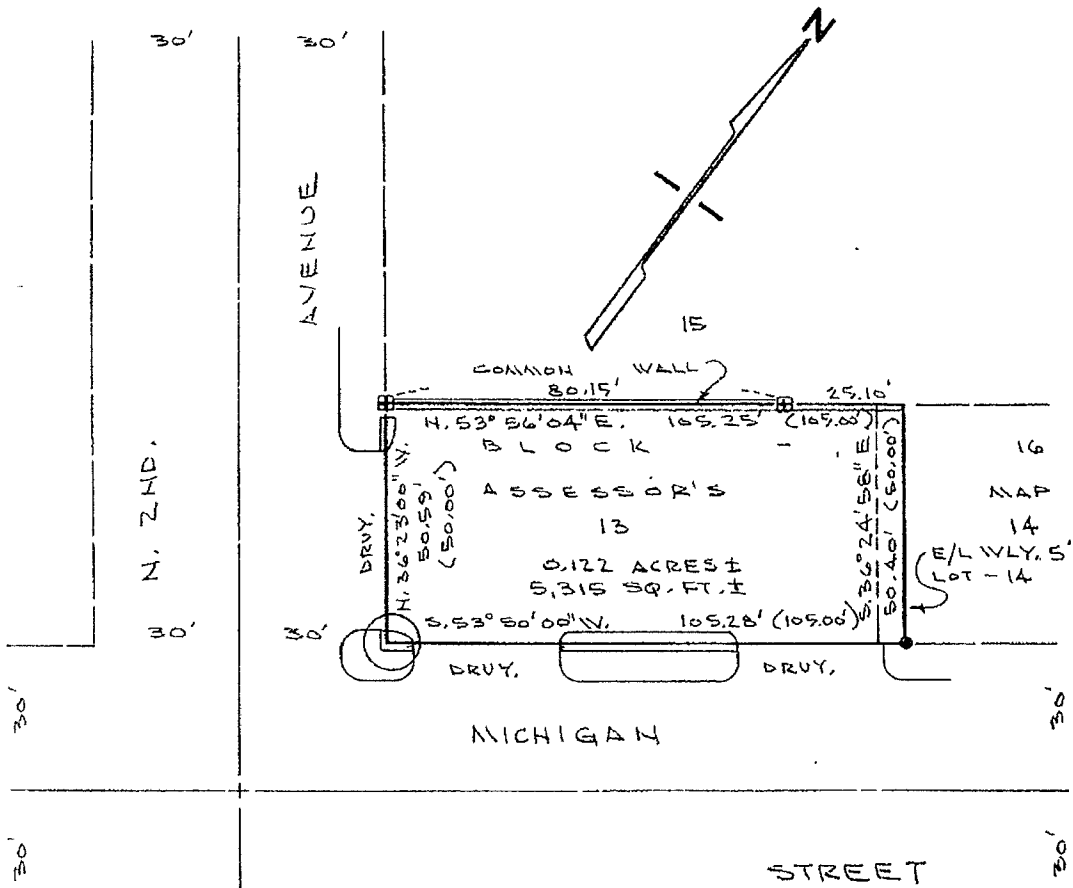


Plat of Survey

ALL OF LOT-13 AND PART OF LOT-14, BLOCK-16, ACCORDING TO THE ASSESSOR'S MAP OF THE CITY OF STURGEON BAY, DOOR COUNTY, WISCONSIN.

SERVICE STATION NUMBER - #0121

STREET ADDRESS - 214 MICHIGAN STREET
STURGEON BAY, WI 54235

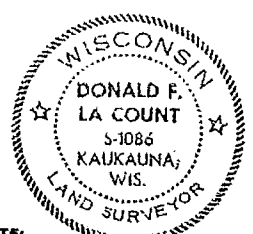
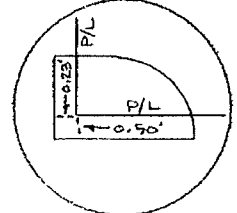


SCALE - 1" = 30'

LEGEND

- FOUND CHISELED CROSS ON CONCRETE WALL
- 1" ROUND IRON PIPE FOUND
- CORNER AS SHOWN FROM EDGE OF CURB AND LIGHT BASE
- RECORDED MEASUREMENT

SOUTH PROP. COR. DETAIL

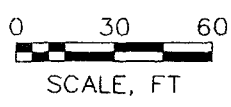
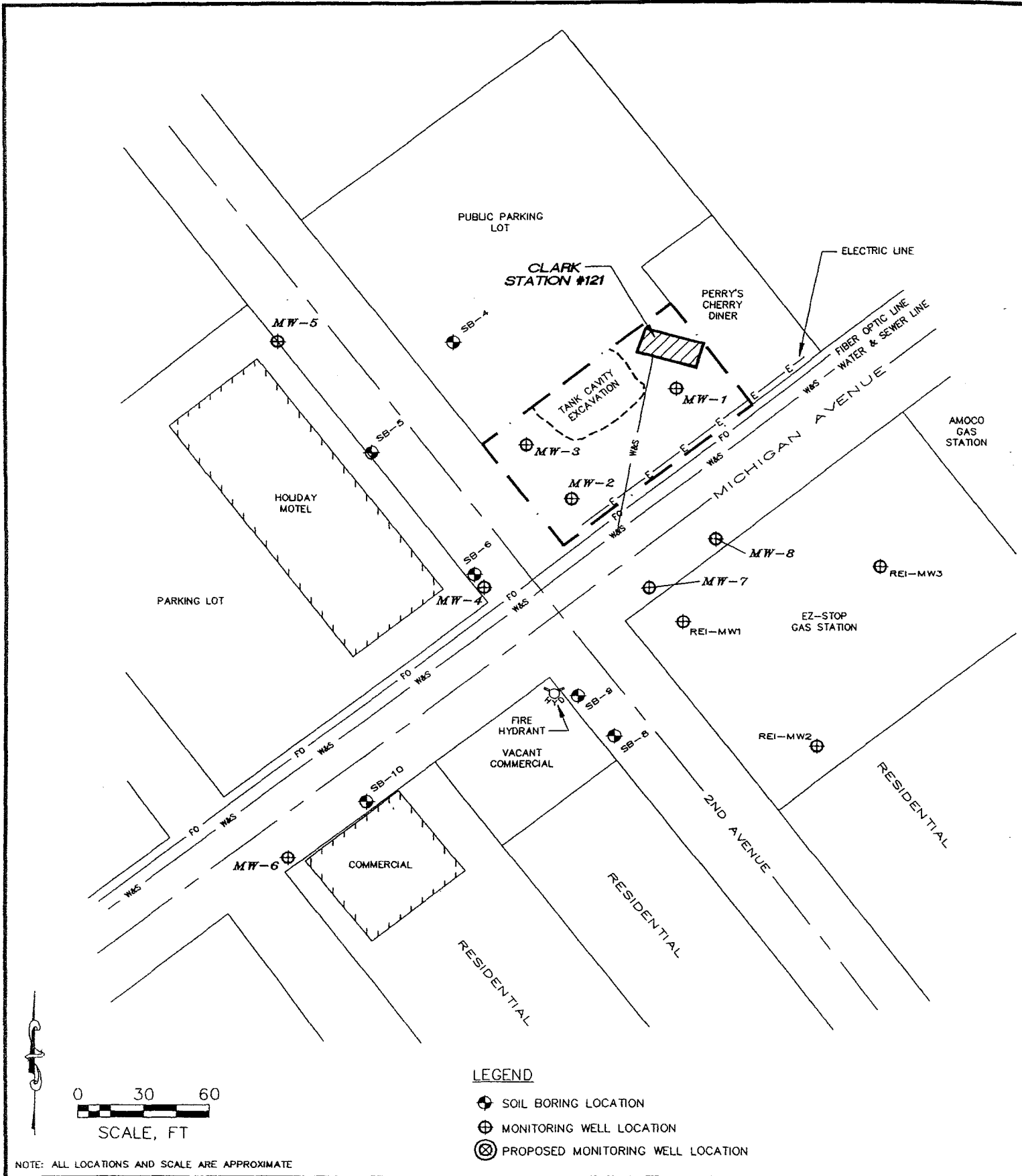


AUTHORIZATION CERTIFICATE:

I hereby certify that I have been authorized, under the direction of SHIFRIN & TREIMAN, ATTORNEYS AT LAW to survey, map and describe the property as shown on this plat. Said survey was made on AUGUST 18, 1987

SURVEYOR'S CERTIFICATE:

I hereby certify that I have surveyed the property as shown and described, according to official records and that the plat above drawn is an accurate and correct representation of said survey SEPTEMBER 14, 1987
Donald F. La Count
Registered Land Surveyor



LEGEND

- ⊕ SOIL BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- ⊕⊕ PROPOSED MONITORING WELL LOCATION

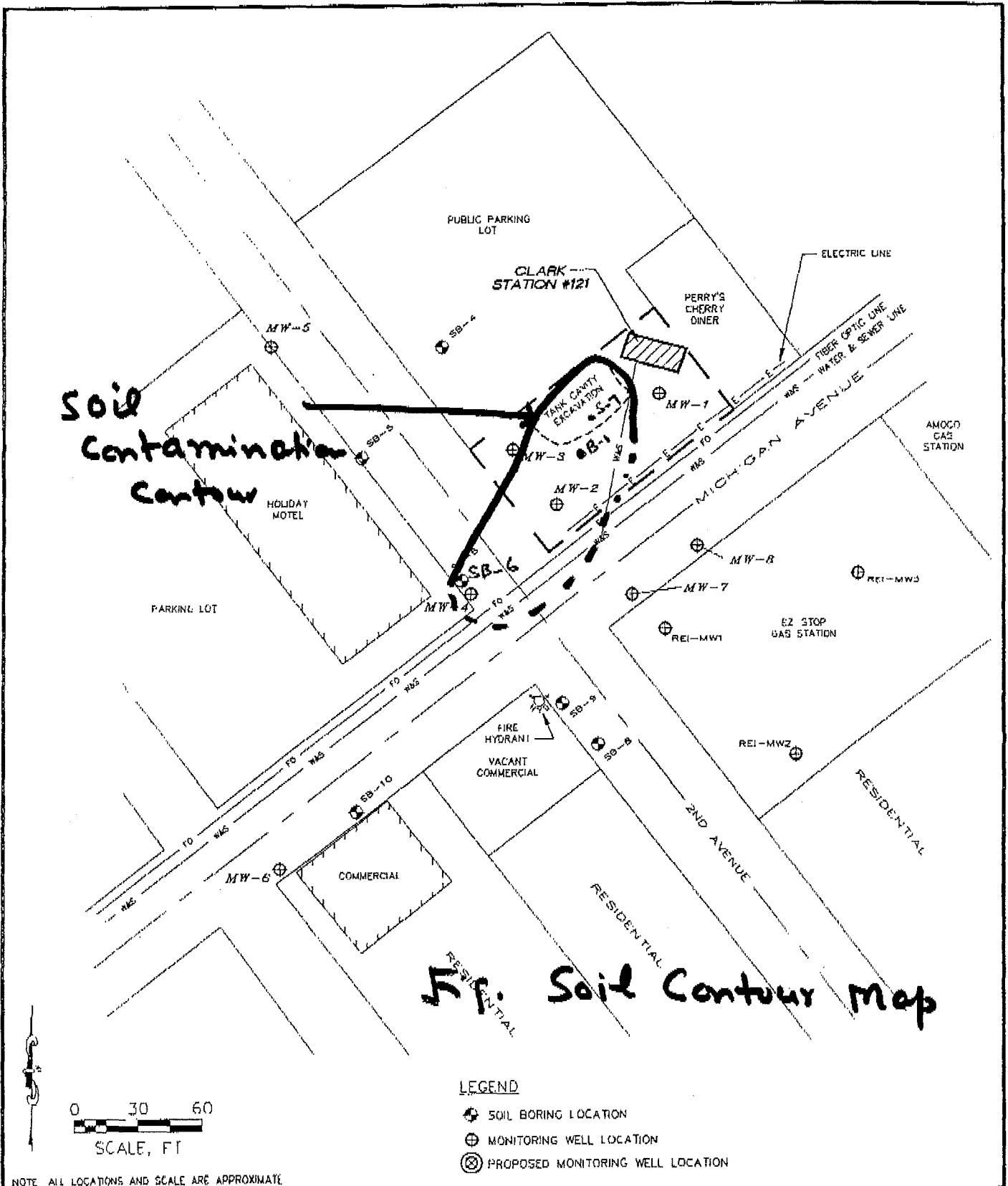
NOTE: ALL LOCATIONS AND SCALE ARE APPROXIMATE

SITE PLAN

CLARK STATION #121
214 MICHIGAN AVENUE
STURGEON BAY, WISCONSIN

DATE: 1/3/01	FILE: 00001.0128
DRAWN BY: BK	FIGURE: NO.1
CAD FILE: EXHBITA1	

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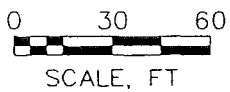
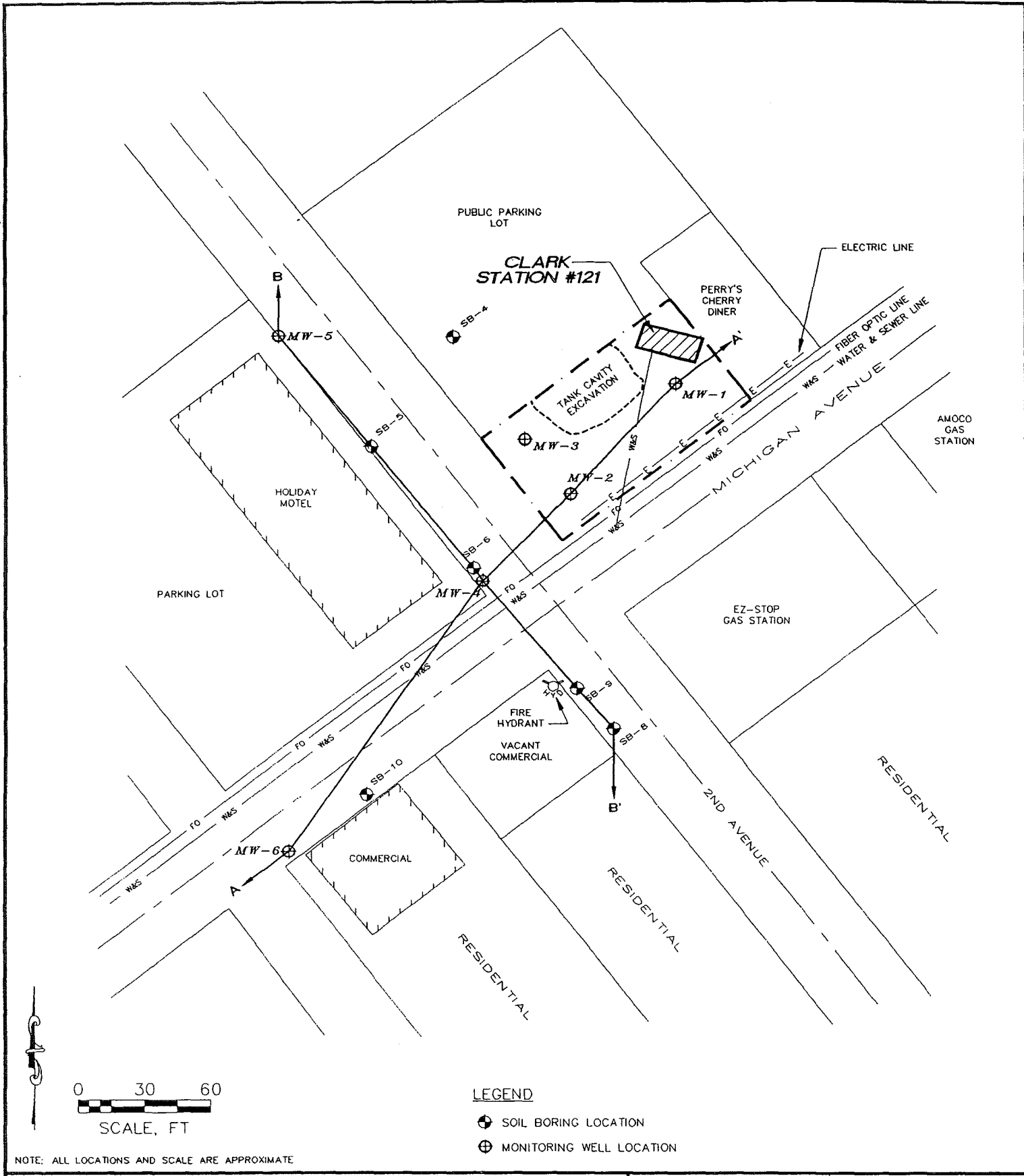
SITE PLAN

CLARK STATION #121
214 MICHIGAN AVENUE
STURGEON BAY, WISCONSIN

DATE: 1/3/01	FILE: 00001 0128
DRAWN BY: [] BY: []	FIGURE: NO 1
CAD FILE: [] EXHIBIT: []	

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 Sun Prairie, Wisconsin 53590
 Ph: (608) 825-2171 Fax: (608) 825-0117





- LEGEND**
- ⊕ SOIL BORING LOCATION
 - ⊗ MONITORING WELL LOCATION

NOTE: ALL LOCATIONS AND SCALE ARE APPROXIMATE

CROSS SECTION LOCATION MAP

CLARK STATION #121
 214 MICHIGAN AVENUE
 STURGEON BAY, WISCONSIN

DATE: 1/27/97	FILE: 00001.0061
DRAWN BY: BK	FIGURE: NO.6
CAD FILE: SECTMAP	

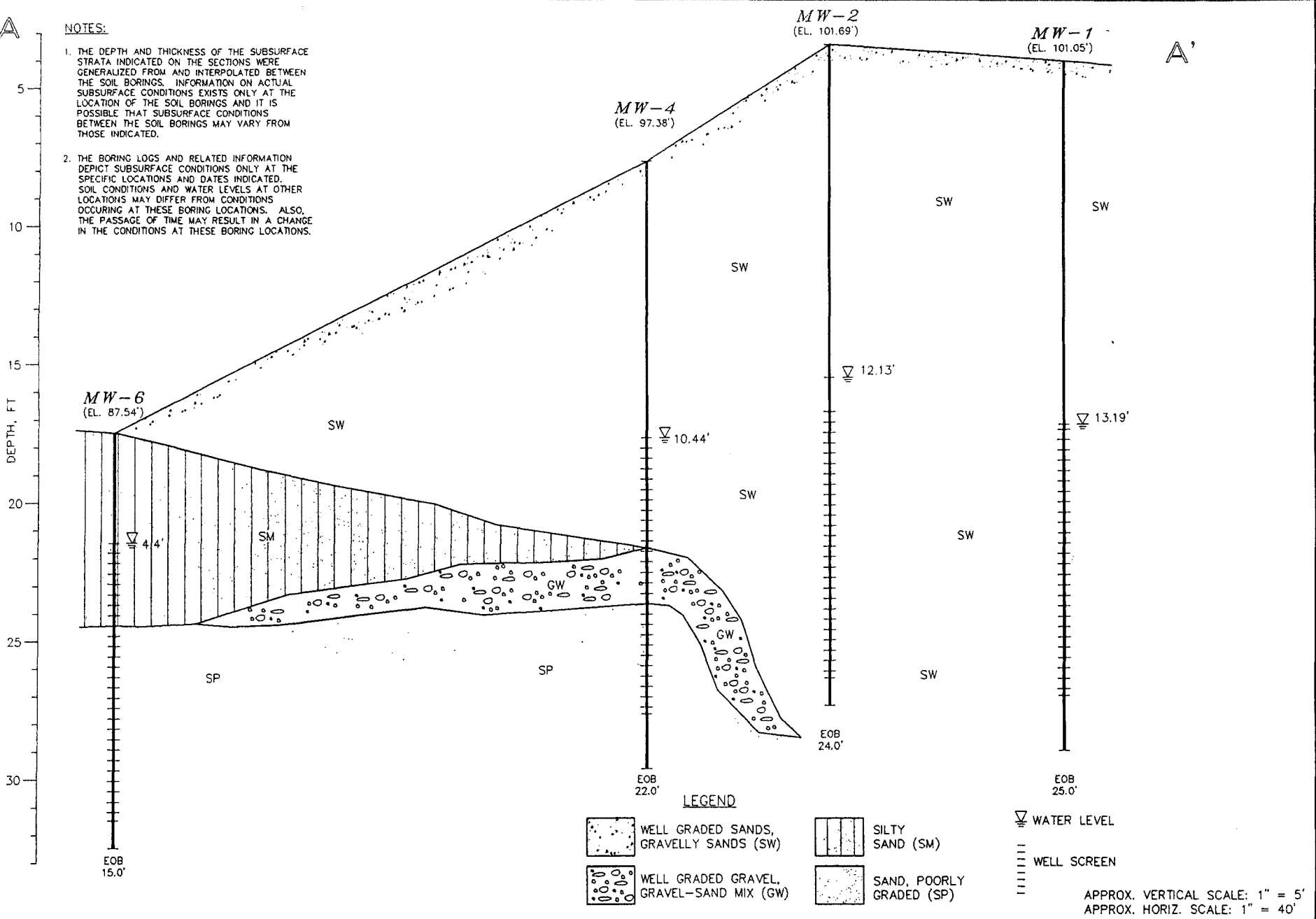
350 Business Park Drive **ATC**
 Sun Prairie, Wisconsin 53590
 Ph: (608) 825-2171 Fax: (608) 825-0117



A

NOTES:

1. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN THE SOIL BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE LOCATION OF THE SOIL BORINGS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE SOIL BORINGS MAY VARY FROM THOSE INDICATED.
2. THE BORING LOGS AND RELATED INFORMATION DEPICT SUBSURFACE CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND DATES INDICATED. SOIL CONDITIONS AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THESE BORING LOCATIONS. ALSO, THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THESE BORING LOCATIONS.



LEGEND

- WELL GRADED SANDS, GRAVELLY SANDS (SW)
- SILTY SAND (SM)
- WELL GRADED GRAVEL, GRAVEL-SAND MIX (GW)
- SAND, POORLY GRADED (SP)
- WATER LEVEL
- WELL SCREEN

APPROX. VERTICAL SCALE: 1" = 5'
APPROX. HORIZ. SCALE: 1" = 40'

GENERALIZED CROSS SECTION A - A'

CLARK STATION #121
214 MICHIGAN AVENUE
STURGEON BAY, WISCONSIN

DATE: 1/10/97	FILE: 00001.0061
DRAWN BY: BK	FIGURE NO.7
CAD FILE: SECTAA	

350 Business Park Drive ATC
Sun Prairie, Wisconsin 53590
Ph: (608) 825-2171 Fax: (608) 825-0117



B

MW-5

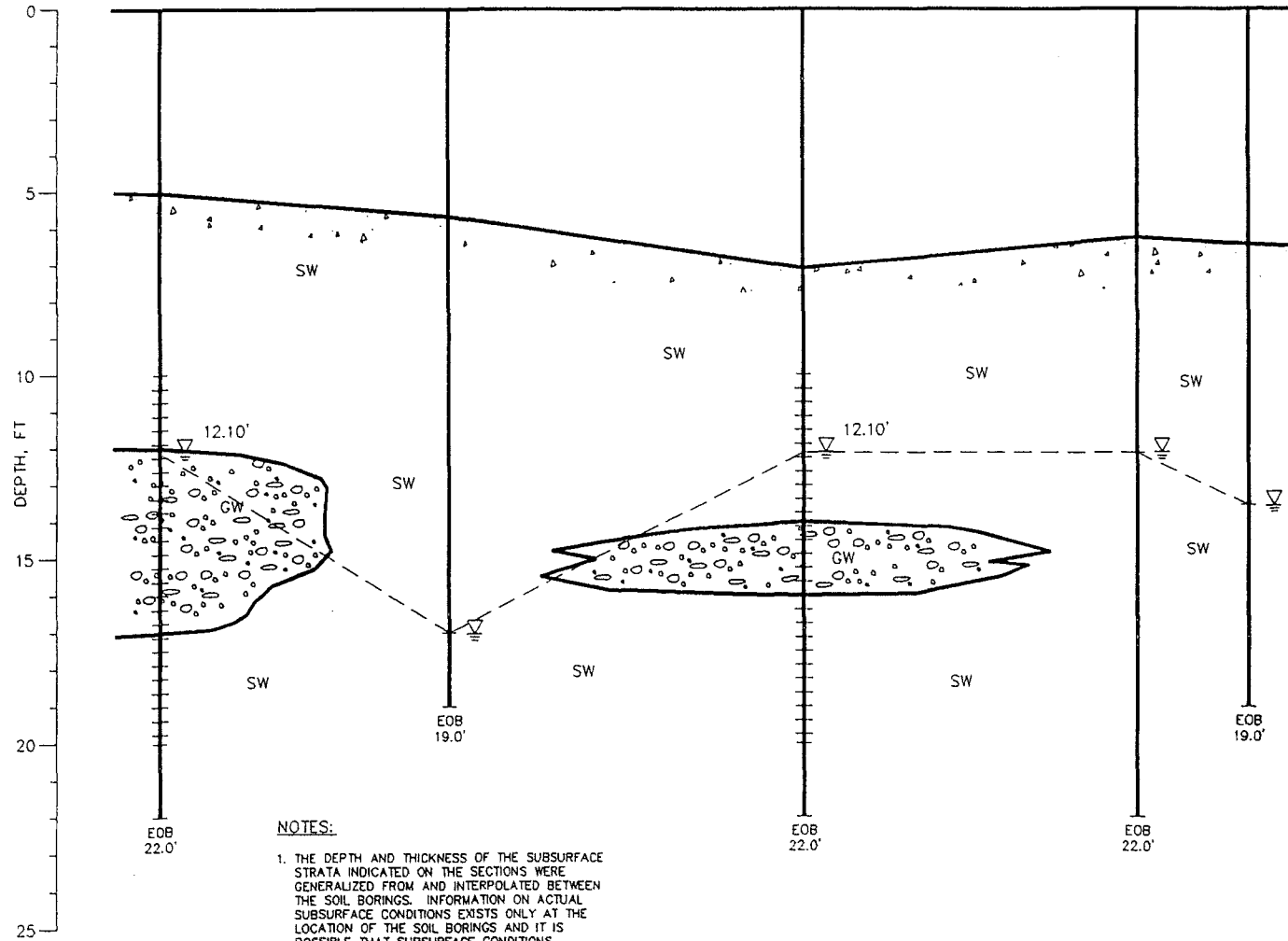
SB-5

MW-4

SB-9

SB-8

B'



NOTES:

1. THE DEPTH AND THICKNESS OF THE SUBSURFACE STRATA INDICATED ON THE SECTIONS WERE GENERALIZED FROM AND INTERPOLATED BETWEEN THE SOIL BORINGS. INFORMATION ON ACTUAL SUBSURFACE CONDITIONS EXISTS ONLY AT THE LOCATION OF THE SOIL BORINGS AND IT IS POSSIBLE THAT SUBSURFACE CONDITIONS BETWEEN THE SOIL BORINGS MAY VARY FROM THOSE INDICATED.
2. THE BORING LOGS AND RELATED INFORMATION DEPICT SUBSURFACE CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND DATES INDICATED. SOIL CONDITIONS AND WATER LEVELS AT OTHER LOCATIONS MAY DIFFER FROM CONDITIONS OCCURRING AT THESE BORING LOCATIONS. ALSO, THE PASSAGE OF TIME MAY RESULT IN A CHANGE IN THE CONDITIONS AT THESE BORING LOCATIONS.

LEGEND

- WELL GRADED SANDS, GRAVELLY SANDS (SW)
- WELL GRADED GRAVEL, GRAVEL-SAND MIX (GW)

- WATER LEVEL
- WELL SCREEN

APPROX. VERTICAL SCALE: 1" = 5'
 APPROX. HORIZ. SCALE: 1" = 40'

GENERALIZED CROSS SECTION B - B'

CLARK STATION #121
 214 MICHIGAN AVENUE
 STURGEON BAY, WISCONSIN

DATE: 1/27/97	FILE: 00001.0061
DRAWN BY: BK	FIGURE NO.8
CAD FILE: SECTBB	

350 Business Park Drive **ATC**
 Sun Prairie, Wisconsin 53590
 Ph: (608) 825-2171 Fax: (608) 825-0117



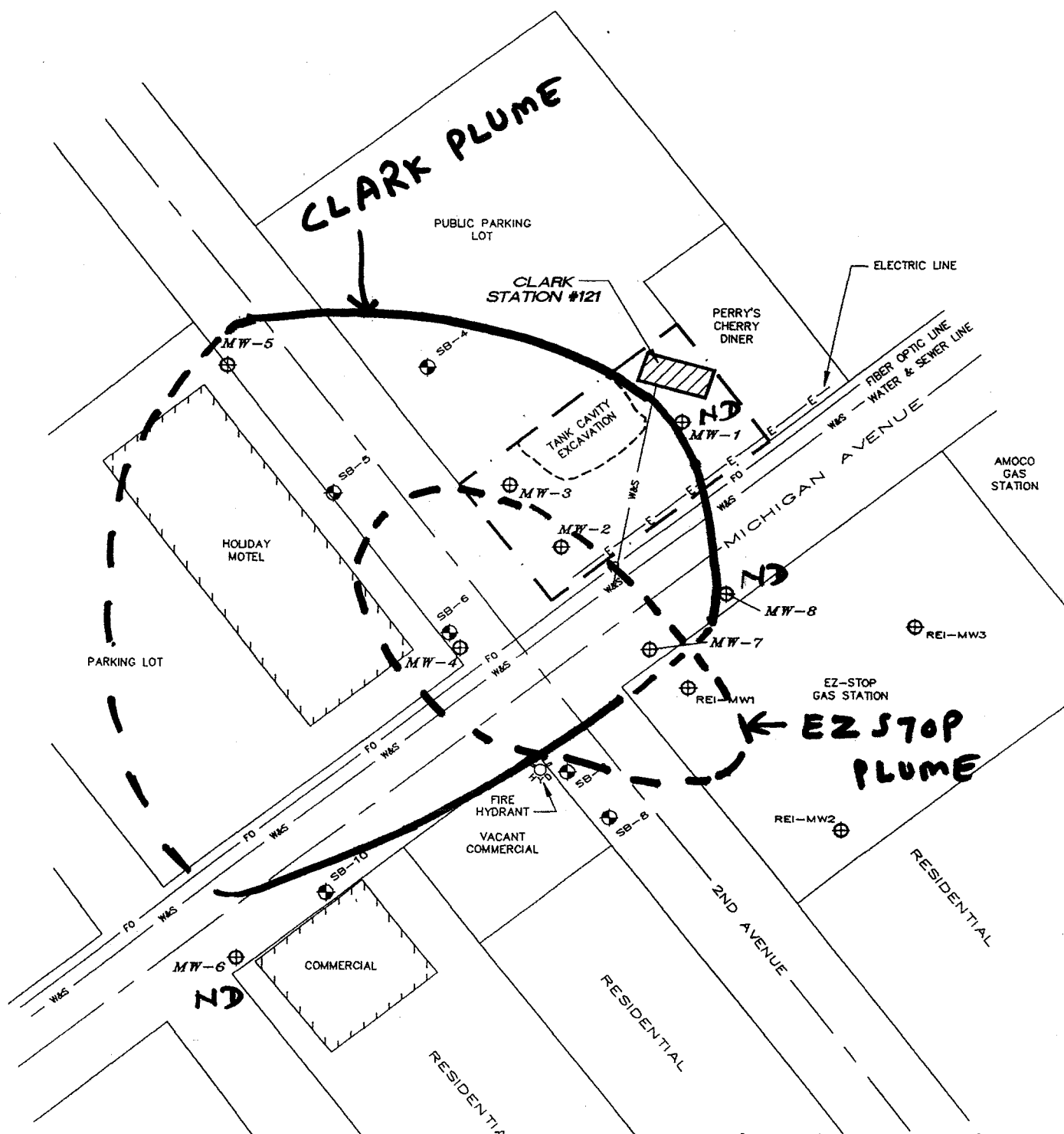


Figure 3. Groundwater Isoconcentration Map

LEGEND

- ⊕ SOIL BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- ⊗ PROPOSED MONITORING WELL LOCATION

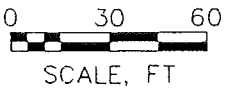
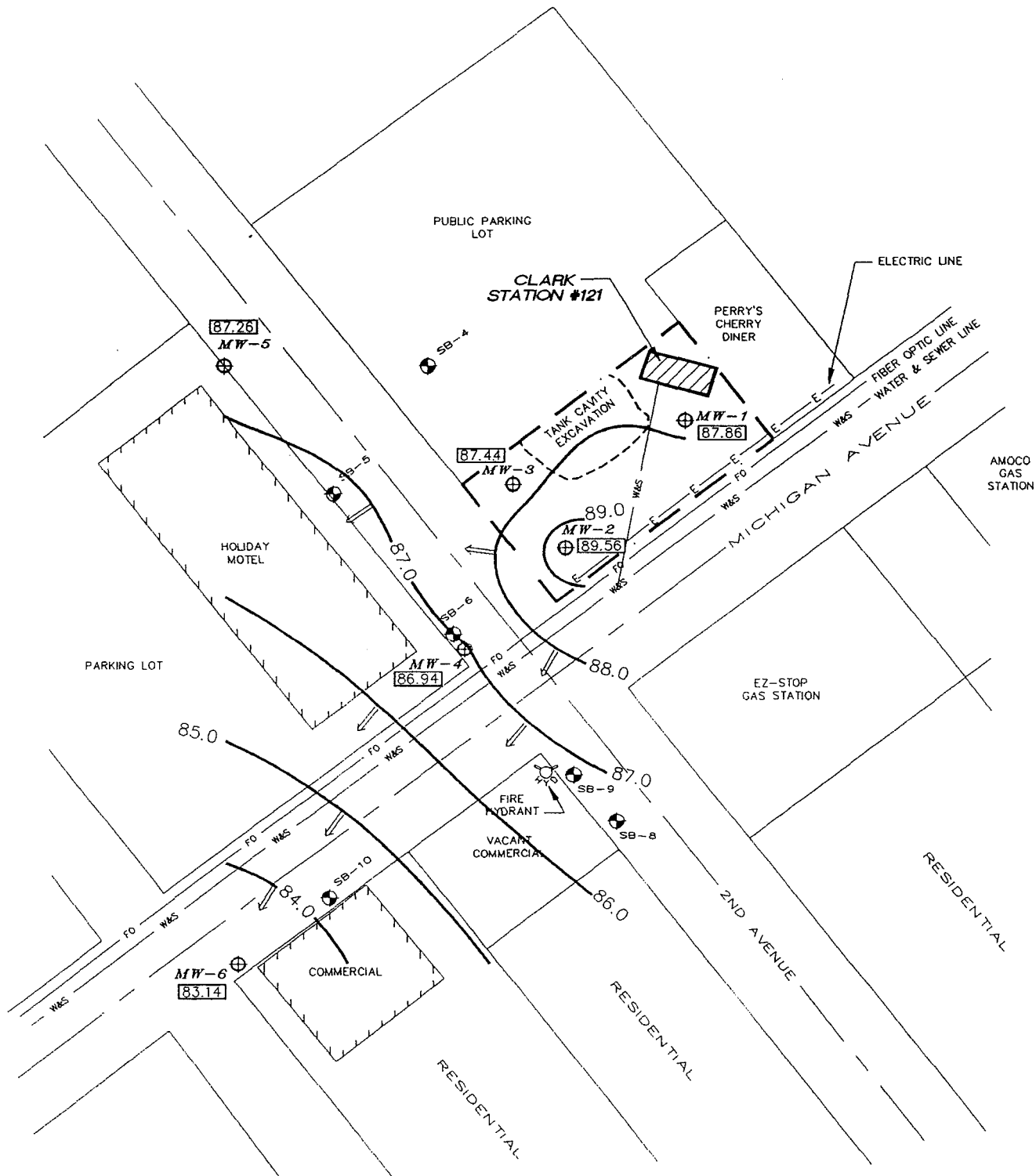
NOTE: ALL LOCATIONS AND SCALE ARE APPROXIMATE

SITE PLAN

CLARK STATION #121
 214 MICHIGAN AVENUE
 STURGEON BAY, WISCONSIN

DATE: 1/3/01	FILE: 00001.0128
DRAWN BY: BK	FIGURE: NO.1
CAD FILE: EXHBITA1	

350 Business Park Drive **ATC**
 Sun Prairie, Wisconsin 53590
 Ph: (608) 825-2171 Fax: (608) 825-0117



NOTE: 1. ALL LOCATIONS AND SCALE ARE APPROXIMATE
2. CONTOURS GENERATED BY SURFER

LEGEND

- SOIL BORING LOCATION
- MONITORING WELL LOCATION

- RELATIVE GROUNDWATER ISOPLETH
- RELATIVE GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION

**POTENTIOMETRIC SURFACE MAP
(7/9/96)**

CLARK STATION #121
214 MICHIGAN AVENUE
STURGEON BAY, WISCONSIN

DATE: 1/28/97	FILE: 00001.0061
DRAWN BY: BK	FIGURE: NO.5
CAD FILE: PSM7996	

350 Business Park Drive **ATC**
Sun Prairie, Wisconsin 53590
Ph: (608) 825-2171 Fax: (608) 825-0117

Table 4
 Soil Analytical Results Summary
 Clark Station No. 121
 214 Michigan Avenue
 Sturgeon Bay, Wisconsin
 ATC Project No. 28.00001.0128

Boring	Sample Date	Depth (ft bgs)	PID (ppm eq)	Total Lead	Benzene	Toluene	Ethylbenzene	Total xylenes	1,2,4 - TMB	1,3,5 - TMB	MtBE	GRO (mg/kg)
S-1	6/2/1992											
S-2	6/2/1992											
S-3	6/2/1992											
S-4	6/2/1992											
S-5	6/2/1992											
S-6	6/2/1992											
S-7	6/2/1992	13		NA	NA	NA	NA	NA	NA	NA	NA	2,000
S-8	6/2/1992											
S-9	6/2/1992											
S-10	6/2/1992											
CS-1	2/5/1993											
CS-2	2/5/1993											
CS-3	2/5/1993											
CS-4	2/5/1993											
B-1	10/26/1994	13.5-15	0	<740	<6	<6	<6	<6	<6	<6	<6	<1.0
B-1	10/26/1994	16-17.5	0	<640	<680	<680	<680	250	1,200	610,000	<680	35
B-2	10/26/1994	16-17.5	3	<580	<5	<5	<5	<5	<5	<5	<5	<1.0
MW-1	10/26/1994	13.5-15	0	1,610	<5	<5	<5	<5	<5	<5	<5	<1.0
MW-2	10/26/1994	13.5-15	0	4,850	<5	<5	<5	<5	<5	<5	<5	<1.0
MW-2	10/26/1994	16-17.5	10	1,880	<6	17	110	287	270	65	11	11
MW-3	10/26/1994	13.5-15	0	<670	<5	<5	<5	<5	<5	<5	<5	<1.0
GB-1	7/28/1995											
SB-4	9/11/1995	17-19	0.1	<1,000	<10	<10	<10	<30	<10	<10	<100	<10
SB-5	9/11/1995	17-19	2	2,330	<10	<10	<10	<30	<10	<10	<100	<10
SB-6	9/11/1995	17-19	60	1,400	454	1,620	1,920	3,150	2,290	412	<100	71.4
SB-7	9/12/1995	5-7	2.5	5,340	<10	<10	<10	<30	<10	<10	<100	<10
SB-8	9/12/1995	15-17	0.1	<1,000	<10	<10	<10	<30	<10	<10	<100	<10
Dup (SB-6)	9/11/1995	17-19	60	<1,000	83.0	467	892	1,220	<10	1,230	833	41.2
SB-9	7/8/1996	10-12	0	1,390	<25	<25	<25	<25	<25	<25	<25	<10
MW-4	7/8/1996	15-17	27	2,230	<25	<25	180	1,120	5,600	720	<25	84.2
MW-5	7/9/1996	12-14	0	7,210	<25	<25	<25	<25	<25	<25	<25	<10
MW-6	7/9/1996	5-7	0	12,600	<25	<25	<25	<25	<25	<25	<25	<10
Dup (MW-6)	7/9/1996	5-7	0	9,890	<25	<25	<25	<25	<25	<25	<25	<10
MeOH Blank	7/9/1996	---	---	---	<25	<25	<25	<25	<25	<25	<25	<5
MW-7	11/21/2000	12-14		3,900	<25	<25	<25	<25	35 Q	30 Q	<25	<2.6
MW-7	11/21/2000	14-16		7,000	<25	<25	<25	46 Q	170	83	<25	3.4
MW-8	11/21/2000	14-16		1,500	<25	<25	<25	<25	34 Q	<25	<25	<2.6
MW-8	11/21/2000	16-18		1,900	<25	<25	<25	<25	<25	<25	<25	<2.6
MeOH Blank	11/21/2000	---	---	---	<25	<25	<25	<25	<25	<25	<25	<2.5
NR 720.09 RCLs				50,000	5.5	1,500	2,900	4,100	---	---	---	100
NR 746.06 Table 1 (free product indicator)				---	8,500	38,000	4,600	42,000	---	---	---	---
NR 746.06 Table 2 (direct contact standard)				---	1,100	---	---	---	---	---	---	---

- Notes:
- 1) ft bgs = feet below ground surface; ppm eq = parts per million equiv alent.
 - 2) PVOC and lead compound concentrations in µg/kg; GRO concentrations in mg /kg; NA: Not analyzed for analyte.
 - 3) MtBE: Methyl t-butyl Ether; Eb: Ethylbenzene; TMB: Trimethyl benzene; GRO: Gasoline Range Organics.
 - 4) NR 720.09 RCLs: Wisconsin Department of Natural Resources' Residual Contaminant Levels; "----": not established.
 - 5) Data with asterisk indicates sample was taken at or below the historic measured high water table, based on monitoring data.
 - 6) Samples S7, S8, and S9 not field screened due to a malfunctioning PID and S5 field screened with PID.

Table 1
 Summary of Groundwater Quality and Elevation Data
 Clark Station # 121, 214 Michigan Street, Sturgeon Bay, WI

BRRTS # 03-15-001169 Comm # 54235-2522-14

Well	Date Installed	Top of Screen	Bottom of Screen	Date	Free Product	Relative Elevation	Depth to Water	Water Elevation	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TMBs	Naphthalene	Comments
		feet	feet		feet	feet	feet	feet	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
MW-1	10/26/94	13.0	23.0	10/27/94		100.99	17.37	83.62	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0		On-site
				7/24/95		100.99	17.11	83.88	BDL	BDL	BDL	BDL	BDL	BDL		
				7/9/96		100.99	13.19	87.80	BDL	BDL	BDL	BDL	BDL	BDL		
				3/21/97		100.99	16.74	84.25	BDL	BDL	BDL	BDL	BDL	BDL		
				6/23/97		100.99	14.92	86.07	BDL	BDL	BDL	BDL	BDL	BDL		
				2/11/98		100.99	18.82	82.17	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 1.0		
				5/28/98		100.99	14.92	86.07	< 1.0	< 1.0	< 1.0	< 3.0	< 10.0	< 1.0		
				8/27/98		100.99	16.47	84.52	< 1.0	< 1.0	< 1.0	< 3.0	< 10.0	< 1.0		
				11/19/98		100.99	18.40	82.59	< 0.26	< 0.21	< 0.24	< 0.97	< 0.22	< 0.86		
				9/30/99		100.99	17.92	83.07	< 0.26	< 0.21	< 0.24	< 0.97	< 0.22	< 0.86		
				12/2/99		100.99	19.80	81.19	< 0.26	< 0.21	< 0.24	< 0.97	< 0.22	< 0.86		
				3/23/00		100.99	20.62	80.37	< 0.26	0.29	< 0.24	< 0.97	< 0.22	< 0.86		
				4/28/00		100.99	20.33	80.66								
				7/26/00		100.99	18.13	82.86	< 0.35	< 0.38	< 0.37	< 0.76	< 0.36	< 0.37		
				12/7/00		100.99	18.85	82.14	< 0.35	< 0.38	< 0.37	< 0.76	< 0.36	< 0.37		
				1/18/01		100.99	19.58	81.41								
				5/23/01		100.99	15.53	85.46	< 0.45	< 0.68	< 0.82	< 1.7	< 0.43	< 0.94		
10/25/06		100.99	18.25	82.74	< 0.25	0.15	< 0.22	< 0.39	< 0.23	< 0.44	< 0.50					
5/31/07		100.99	16.80	84.19	< 0.47	< 0.46	< 0.38	< 0.99	< 0.52	< 1.57	< 1.8					
10/2/08		100.99	18.70	82.29	< 0.49	< 0.46	< 0.68	< 1.85	< 0.62	< 1.42	< 0.88					
MW-2	10/26/94	13.0	23.0	10/27/94		99.63			110.00	725.00	1,300.00	6,100.00	< 1.0	2,470.00		On-site
				7/24/95		99.63			274.00	67.00	549.00	2,110.00	BDL	924.00		
				7/9/96		99.63			10.60	BDL	48.50	115.00	BDL	91.70		

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 Summary of Groundwater Quality and Elevation Data
 Clark Station # 121, 214 Michigan Street, Sturgeon Bay, WI

BRRTS # 03-15-001169 Comm # 54235-2522-14

Well	Date Installed	Top of Screen	Bottom of Screen	Date	Free Product	Relative Elevation	Depth to Water	Water Elevation	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TMBs	Naphthalene	Comments
		feet	feet		feet	feet	feet	feet	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
MW-2	10/26/94	13.0	23.0	3/21/97		99.63	15.44		15.50	13.00	204.00	692.00	23.20	193.00		On-site
				6/23/97		99.63	13.72		18.80	5.70	97.30	300.00	11.80	39.50		
				2/11/98		99.63	17.41		27.00	30.00	470.00	1,900.00	< 50	830.00		
				5/28/98		99.63	13.81		17.00	5.00	190.00	760.00	< 50	436.00		
				8/27/98		99.63	15.01		15.00	5.00	80.00	370.00	< 50	62.00		
				11/19/98		99.63	16.73		18.00	14.00	370.00	1,410.00	< 1.1	670.00		
				9/30/99		99.63	16.36		25.00	8.10	120.00	129.50	9.90	21.00		
				12/2/99		99.63	18.40	81.23	43.00	33.00	770.00	3,080.00	17.00	1,380.00		
				3/23/00	0.30	99.63			550.00	1,400.00	1,900.00	7,900.00	< 11	7,300.00		
				4/28/00	0.54	99.63	19.35	80.28								
				7/26/00	1.42	99.63	16.66	82.97								
				12/7/00	1.04	99.63	18.36	81.27								
				5/23/01	Sheen	99.63	14.22	85.41	660.00	850.00	940.00	5,170.00	28.00	3,390.00		
				7/19/02		99.63			7.50	53.00	110.00	549.00	4.10	385.00		
				10/25/06		99.63	16.90	82.73	< 5.0	99.00	350.00	2,300.00	< 4.6	2,200.00	280.00	
				5/31/07		99.63	15.55	84.08	< 4.7	10.20	14.10	973.00	< 5.2	683.00	48.00	
10/2/08	< 1/4 inch	99.63	17.50	82.13	5.6 "J"	130	380	2830	< 6.2	2580	316.00					
4/24/09	Sheen	99.63	16.75	82.88	46	194	760	4950	< 4.2	2760	340					
MW-3	10/26/94	13.0	23.0	10/27/94		99.72	16.25	83.47	< 1.0	< 1.0	920.00	6,900.00	< 1.0	2,940.00		On-site
				7/24/95		99.72	16.03	83.69	39.00	BDL	12.60	81.60	BDL	69.60		
				7/9/96		99.72	12.34	87.38	BDL	BDL	4.00	14.90	BDL	19.60		
				6/23/97		99.72	13.93	85.79	BDL	BDL	BDL	BDL	BDL	BDL		
				8/27/98		99.72	15.37	84.35	< 1.0	< 1.0	< 1.0	< 3.0	< 10	< 1.0		
				11/19/98		99.72	17.26	82.46	2.90	0.24	1.10	3.10	0.23	< 0.86		
				9/30/99		99.72	16.80	82.92	0.59	< 0.21	< 0.24	< 0.97	< 0.22	< 0.86		

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 Summary of Groundwater Quality and Elevation Data
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BRRTS # 03-15-001169 Comm # 54235-2522-14

Well	Date Installed	Top of Screen	Bottom of Screen	Date	Free Product	Relative Elevation	Depth to Water	Water Elevation	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TMBs	Naphthalene	Comments
		feet	feet		feet	feet	feet	feet	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
MW-4	7/8/96	9.7	19.7	5/23/01		97.31	12.71	84.60	29.00	3.20	200.00	487.00	2.30	656.00		Off-site along Second Avenue
				7/19/02		97.31			51.00	4.80	150.00	318.00	< 1.7	650.00		
				10/25/06		97.31	14.64	82.67	11.00	< 0.86	1.20	1.50	< 0.48	18.38	4.90	
				5/31/07		97.31	13.40	83.91	43.00	3.14	1.59	12.40	< 0.52	72.00	< 1.8	
				10/2/08		97.31	15.10	82.21	8.60	9.90	55.00	8.12	< 0.62	5.96	9.10	
				4/24/09	None	97.31	14.45	82.86								
MW-5	7/8/96	9.7	19.7	7/9/96		99.57	11.97	87.60	13.90	26.50	87.30	173.00	BDL	174.00		
				3/21/97		99.57	15.44	84.13	78.70	3.10	2.20	10.00	BDL	11.20		
				6/23/97		99.57	13.81	85.76	69.00	BDL	11.60	42.90	BDL	47.80		
				2/11/98		99.57	17.38	82.19	35.00	4.30	10.00	16.00	< 50	8.60		
				5/28/98		99.57			NA	NA	NA	NA	NA	NA		
				8/27/98		99.57	15.22	84.35	83.00	2.40	< 1.0	< 3.0	< 10	7.70		
				11/19/98		99.57	16.91	82.66	15.00	< 0.21	< 0.24	4.90	< 0.22	7.10		
				9/30/99		99.57	16.63	82.94	13.00	0.30	3.00	6.40	< 0.22	4.00		
				12/2/99		99.57	18.78	80.79	0.29	0.46	1.80	3.30	< 0.22	2.60		
				4/28/00		99.57	19.47	80.10								
				7/26/00		99.57	17.19	82.38	0.72	< 0.38	< 0.37	0.90	< 0.36	2.32		
				12/7/00		99.57	17.87	81.70	1.10	1.90	< 0.37	< 0.76	< 0.36	1.03		
				1/18/01		99.57	18.54	81.03								
				5/23/01		99.57	14.70	84.87	< 0.45	< 0.68	< 0.82	< 1.7	< 0.43	< 0.94		
				7/19/02		99.57		99.57	6.50	< 0.68	< 0.82	< 1.7	< 0.43	< 0.94		
10/25/06		99.57	17.20	82.37	< 0.50	< 0.22	< 0.44	< 0.78	< 0.46	< 0.88	< 1.0					
5/31/07		99.57	16.00	83.57	< 0.47	< 0.46	< 0.38	< 0.99	< 0.52	< 1.57	< 1.8					
10/2/08		99.57	17.83	81.74	< 0.49	< 0.46	< 0.68	4.86 "J"	< 0.62	4.84 "J"	< 0.88					

Table 1
 Summary of Groundwater Quality and Elevation Data
 Clark Station # 121, 214 Michigan Street, Sturgeon Bay, WI

BRRTS # 03-15-001169 Comm # 54235-2522-14

Well	Date Installed	Top of Screen	Bottom of Screen	Date	Free Product	Relative Elevation	Depth to Water	Water Elevation	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TMBs	Naphthalene	Comments	
		feet	feet		feet	feet	feet	feet	ppb	ppb	ppb	ppb	ppb	ppb	ppb		
MW-6	7/9/96	3.0	13.0	7/9/96		87.47	4.40	83.07	BDL	BDL	BDL	BDL	BDL	BDL		Off-site along Michigan Street	
				3/21/97		87.47	4.82	82.65	BDL	BDL	BDL	BDL	BDL	BDL			
				6/23/97		87.47	4.23	83.24	BDL	BDL	BDL	BDL	BDL	BDL			
				2/11/98		87.47	5.67	81.80	< 1.0	< 1.0	< 1.0	< 3.0	< 50.0	< 1.0			
				5/28/98		87.47	4.71	82.76	< 1.0	< 1.0	< 1.0	< 3.0	< 10.0	< 1.0			
				8/27/98		87.47	5.10	82.37	< 1.0	< 1.0	< 1.0	< 3.0	< 10.0	< 1.0			
				11/19/98		87.47	6.27	81.20	< 0.26	< 0.21	< 0.24	< 0.97	< 0.22	< 0.86			
				9/30/99		87.47	6.27	81.20	< 0.26	< 0.21	< 0.24	< 0.97	< 0.22	< 0.86			
				12/2/99		87.47	7.60	79.87	< 0.26	< 0.21	< 0.24	< 0.97	< 0.22	< 0.86			
				3/23/00		87.47			< 0.26	0.23	< 0.24	< 0.97	< 0.22	< 0.86			
				4/28/00		87.47	6.94	80.53									
				7/26/00		87.47	7.94	79.53	< 0.35	< 0.38	< 0.37	< 0.76	< 0.36	< 0.37			
				12/7/00		87.47	7.27	80.20	< 0.35	< 0.38	< 0.37	< 0.76	< 0.36	< 0.37			
				1/18/01		87.47	7.01	80.46									
				5/23/01		87.47	6.42	81.05	< 0.45	< 0.68	< 0.82	< 1.7	< 0.43	< 0.94			
				10/25/06		87.47			< 0.50	< 0.22	< 0.44	< 0.78	< 0.46	< 0.88	< 1.0		Well Cover open
				5/31/07		87.47			< 0.47	< 0.46	< 0.38	< 0.99	< 0.52	< 1.57	< 1.8		Well Cover open
10/2/08		87.47										Dry					
MW-7	11/21/00	12.0	22.0	12/7/00	0.03	99.37	17.04	82.33	1400	14000	2800	13900	< 20	3130	650.00	Off-site along Michigan Street Sand and gravel from top to bottom ~ 0.50 " free product No Free Product	
				1/18/01	0.01	99.37	17.74	81.63									
				5/23/01	Sheen	99.37	13.99	85.38	380	3800	1600	7900	19.00	2870	NA		
				7/19/02		99.37			350	3100	1300	6800	< 11	2500			
				10/25/06		99.37	16.40	82.97	98	4000	1900	10000	< 18	2750	750.00		
				5/31/07		99.37	17.20	82.17	62	1560	1740	8190	< 26	2190	420.00		
				10/2/08	1 inch	99.37	16.95	82.42	77 "J"	2340	2440	13150	< 62	7240	1280		
4/24/09	Sheen	99.37	16.35	83.02	104 "J"	4400	2980	16000	< 42	5060	1240						

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Well	Date Installed	Top of Screen	Bottom of Screen	Date	Free Product	Relative Elevation	Depth to Water	Water Elevation	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TMBs	Naphthalene	Comments			
		feet	feet		feet	feet	feet	feet	ppb	ppb	ppb	ppb	ppb	ppb	ppb				
MW-8	11/21/00	14.0	24.0	12/7/00		100.58	18.26	82.32	< 0.29	< 1.1	0.95	5.10	< 0.20	3.73	0.51	Off-site along Michigan Street Sand and gravel from top to bottom No Free Product			
				1/18/01		100.58	19.00	81.58											
				5/23/01		100.58	14.99	85.59	< 0.45	< 0.68	< 0.82	< 1.7	< 0.43	< 0.94	NA				
				7/19/02		100.58			< 0.45	< 0.68	< 0.82	< 1.7	< 0.43	< 0.94					
				10/25/06		100.58	18.20	82.38	< 0.25	< 0.11	< 0.22	< 0.39	< 23	< 0.44	< 0.50				
				5/31/07		100.58	17.95	82.63	< 0.47	< 0.46	< 0.38	< 0.99	< 0.52	< 1.57	< 1.8				
				10/2/08	None	100.58	18.10	82.48	< 0.49	< 0.46	< 0.68	< 1.85	< 0.62	< 1.42	< 0.88				
				4/24/09	None	100.58	17.90	82.68											
REI-MW-1 EZ Stop	7/1/97	10.0	20.0	7/3/97	Sheen	99.70	14.81	84.89	3100	22000	2700	13500	< 53			Off-site at E Z Stop REI Sample Sheen			
				10/2/97		99.70	13.75	85.95	2300	2400	3100	15600	< 40						
				5/13/99	0.25 inch	99.70	15.14	84.56	1300	14000	2810	13450	< 15	3989					
				8/16/99		99.70	15.07	84.63	1630	17800	2990	14040	< 300	4423					
				11/2/99		99.70	17.31	82.39	863	10400	2100	10410	< 30	2649					
				4/28/00		99.70	18.80	80.90	2090	30000	11500	60400	< 75	42110					
				7/26/00		99.70	16.60	83.10	1370	15200	3670	19000	< 60	6120					
				5/23/01	None	99.70	14.31	85.39	780	10000	3000	14800	< 43	4130					
				10/22/08					233	4740	3390	24650	58.60	5190					
4/24/09	None	99.70	15.55	84.15	59 "J"	3040	2390	12700	< 21	3510	700								
REI-MW-2	7/2/97	12.0	22.0	7/3/97		102.84	17.71	85.13	< 0.41	< 0.28	< 0.23	< 0.79	< 0.53			Off-site at E Z Stop			
				10/2/97		102.84	16.55	86.29	< 0.23	< 0.36	< 0.29	< 1.15	< 0.20						
				5/13/99		102.84	18.10	84.74	< 0.20	< 0.50	< 0.50	< 0.50	< 0.3	< 0.5					
				8/16/99		102.84	17.89	84.95	< 0.15	< 0.40	< 0.50	< 0.55	< 0.3	< 0.4					
				11/2/99		102.84	20.35	82.49	< 0.15	< 0.40	< 0.50	< 0.55	< 0.3	< 0.4					
				4/28/00		102.84	21.72	81.12	DRY										
				7/26/00		102.84	19.60	83.24	< 0.15	< 0.40	< 0.50	< 0.55	< 0.3	< 0.4					

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		feet	feet		feet	feet	feet	feet	ppb	ppb	ppb	ppb	ppb	ppb	ppb	Off-site at E Z Stop	
REI-MW-2	7/2/97	12.0	22.0	5/23/01		102.84	17.07	85.77	< 0.45	< 0.68	< 0.82	< 1.84	< 0.43	< 0.94		REI Sample	
				10/22/08					< 0.31	< 0.30	< 0.50	2.33	< 0.30	< 0.71			
REI-MW-3 EZ Stop	7/2/97	12.0	22.0	7/3/97		101.71	16.59	85.12	< 0.41	< 0.28	< 0.23	< 0.79	< 0.53			Off-site at E Z Stop	
				10/2/97		101.71	15.49	86.22	< 0.23	< 0.36	< 0.29	< 1.15	< 0.20				
				5/13/99		101.71	16.93	84.78	< 0.20	< 0.50	< 0.50	< 0.50	< 0.3	< 0.5			
				8/16/99		101.71	16.89	84.82	< 0.15	< 0.40	< 0.50	< 0.55	< 0.3	< 0.4			
				11/2/99		101.71	19.12	82.59	< 0.15	< 0.40	< 0.50	< 0.55	< 0.3	< 0.4			
				4/28/00		101.71	20.28	81.43	< 0.15	< 0.40	< 0.50	< 0.55	< 0.3	< 0.4			
				7/26/00		101.71	18.34	83.37	< 0.15	< 0.40	< 0.50	< 0.55	< 0.3	< 0.4			
				5/23/01		101.71	16.07	85.64	< 0.45	< 0.68	< 0.82	< 1.84	< 0.43	< 0.94			
				10/22/08					< 0.31	< 0.30	< 0.50	< 0.98	< 0.30	< 0.71	REI Sample		
RE-MW-4 EZ Stop				10/22/08					1.28	3.19	< 0.50	5.08	0.85	1.05		REI Sample	
				4/24/09	None		13.75										No Sheen & Odor
Preventive Action Limit									0.5	200	140	1,000	12	96	10		
Enforcement Standard									5.0	1,000	700	10,000	60	480	100		

Note:

"J" denotes concentration between LOD and LOQ

REI-MW-1 through REI-MW-3 wells are located at E Z Stop Gas Station

On April 24, 2009, Clark wells MW-7 and MW-8 were full with water. Water was bailed prior to measure depth to water.