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Allentown Economic Development Corporation as Agent for,
Allentown Commercial and Industrial Development Authority
905 Harrison Street
Allentown, PA 18103



BASELINE REMEDIAL INVESTIGATION REPORT

FORMER ALLENTOWN METAL WORKS PROPERTY
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PENNSYLVANIA

EPA ID # Pending

August 2014

Prepared By:



TRANSMITTAL SHEET

Contract No. LVLRI 2010-3

DATE: August 7, 2014

FROM: Scott R. Campbell

TO: Eric Supey, PADEP NERO One (1) bound copy/ECopy
 Randy Roush, PADEP Central One (1) bound copy/ECopy
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 Betsy Schamberger, Moonstone ECopy
 EarthRes File One (1) bound copy

RE: **Baseline Remedial Investigation Report, Former Allentown Metal Works, City of Allentown, Lehigh County, PA**

Materials Transmitted	Dated	No. of Copies
Baseline Remedial Investigation Report	8/07/14	See list above



Land Recycling Program Transmittal Sheet for Plan/Report Submission

Instructions: Please provide all requested information in each of the four sections. This transmittal sheet shall accompany any plan/report submitted to the Department under the Land Recycling Program. Proper completion of the Transmittal Sheet will assist Department review and may avoid a finding of plan/report deficiency. The Facility ID number can be obtained from the Department's Environmental Cleanup Program in the region where the site is located.

Section 1 - Site Identification

eFACTS Facility ID 660489 and 770859

Site Name Allentown Metal Works

Site Address 606 South 10th Street, Allentown, PA

Municipality and County City of Allentown, Lehigh County

Section 2 - Remediation Standard . . Plan/Report . . Fees

Identify the remediation standard being pursued and the type of plan/report being submitted. Please note required Department fees follow each type of plan/report.

Check the relevant standard and the type of plan/report being submitted.

- | | |
|--|--|
| <input type="checkbox"/> Background Standard
Final Report (\$250 fee) | <input type="checkbox"/> Statewide Health Standard
Final Report (\$250 fee) |
| <input type="checkbox"/> Site-Specific Standard | <input checked="" type="checkbox"/> Special Industrial Area |
| <input type="checkbox"/> Remedial Investigation Report
(\$250 fee) | <input type="checkbox"/> Work Plan
(no fee) |
| <input type="checkbox"/> Risk Assessment Report
(\$250 fee) | <input checked="" type="checkbox"/> Baseline Environmental Report
(no fee) |
| <input type="checkbox"/> Cleanup Plan (\$250 fee) | |
| <input type="checkbox"/> Final Report (\$500 fee) | |

Ensure your check covers all required fees and is made payable to the **Commonwealth of Pennsylvania**.

Section 3 - Municipal/Public Notice Confirmation

There are two stages in the Land Recycling Program where municipal and public notices are required. Read the information associated with each stage. You will be asked to confirm that information establishing your compliance with these notification requirements has been included with this submission.

- Check here if you are planning to meet the Background or Statewide Health Standard and your Final Report has been submitted within 90 days of the release.

Indicate date of release here _____

No further completion of this section is required if your Final Report for these two standards conforms to the 90 day time frame.

Stage 1 - Notice of Intent to Remediate (NIR)

- Check here to confirm you have included proof that a copy of your NIR was provided to each municipality where your site is located. Proof will be a copy of your cover letter and a copy of a signed certified mail receipt slip from the municipality.
- Check here to confirm a copy of a proof of publication document from a newspaper serving the area of your site has been included with this submission.
- Check here to indicate that a Site-Specific Standard or a Special Industrial Area is involved and a municipal request was received for development of a public involvement plan. The plan/report submission shall include municipality and public comments, which were submitted, and your responses to those comments.

Stage 2 - Cleanup Plan/Report Submission

_____ Place date here that each municipality was notified of any plan or report submitted under any of the three remediation standards.

_____ Place the newspaper name and date that your notice of your plan/report submission was published.

Section 4 - Project Contact

On the lines below, place the name, company, and business phone number of the individuals who can be contacted regarding this submission:

Consultant: Scott R. Campbell, P.G. _____

Earthres _____

2215-766-1211 _____

Site Owner: R. Scott Unger, Executive Director _____

ACIDA _____

610-435-8890 _____



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Special Industrial Area Checklist

Notice of Intent to Remediate

- 1. Site name and location information, including latitude and longitude
- 2. Description of site and intended future use of property
- 3. Contact information
 - a. Remediator
 - b. Owner
 - c. Consultant
- 4. Site map attached
- 5. Municipal request for public involvement plan? Yes No
- 6. Public Involvement Plan (if required)

Special Industrial Area Determination

- 1. Was property used for industrial activity? Yes No
- 2. Did the remediator cause or contribute to property contamination? Yes No
- 3. Is there a financially viable responsible party? Yes No
- 4. Is the property in an enterprise zone or KOZ? Yes No

Baseline Remedial Investigation Work Plan Approved by Department?

Baseline Remedial Investigation Performed?

Transmittal Sheet included?

Baseline Environmental Report Approved by Department?

Content of Baseline Environmental Report

- 1. Property description
- 2. Ownership history
- 3. Site use history
- 4. Site characterization
- 5. Identified contamination
- 6. Proposed remediation measures
- Did remediation require cleanup to a standard? Yes No
- Standard and Media Identified? Yes No

Notification

- a. Proof of publication of NIR newspaper notice
- b. Proof of submission of NIR to municipality

Consent Order and Agreement Signed?

Preparer Name Scott R. Campbell, P.G. Preparer Signature *Scott R. Campbell*

Company Name and Address EarthRes Date 8-6-14

P.O. Box 468

Pipersville, PA 18947

CERTIFICATION BY PROFESSIONAL GEOLOGIST

BASELINE REMEDIAL INVESTIGATION REPORT

FORMER ALLENTOWN METAL WORKS

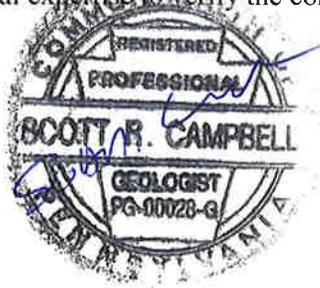
606 SOUTH TENTH STREET

CITY OF ALLENTOWN, LEHIGH COUNTY, PENNSYLVANIA

EPA ID # Pending

August 6, 2014

By affixing my seal to this document, I am certifying that the information is true and correct. I further certify I am licensed to practice in the Commonwealth of Pennsylvania and that it is within my professional expertise to verify the correctness of the information.



Scott R. Campbell (PG-000028)

Signed and sealed this day, August 6, 2014.

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1.0 INTRODUCTION

On behalf of the Lehigh Valley Economic Development Corporation (LVEDC) and the Allentown Economic Development Corporation (AEDC), EarthRes is pleased to present this Baseline Remedial Investigation Report (“Report”) for the investigation activities completed at the former Allentown Metal Works (the Site). In addition, this Report includes a Cleanup Plan & Remedial Alternatives Analysis in Section 12.0.

The Site, consisting of approximately 19.2 acres, is located at 606 South Tenth Street in the City of Allentown, Lehigh County, Pennsylvania as shown in Figure 1 “Site Location Map” in Appendix A. The scope of work described in this Report is in accordance with the final provisions of the July 17, 1997 Pennsylvania Land Recycling and Environmental Remediation Standards Act (Act 2), the November 24, 2001 revisions to Act 2 as published in the Pennsylvania Bulletin (Vol. 31, No. 47) and, the December 24, 2013 Revised Work Plan for Baseline Remedial Investigation (BRI). The following Report has been prepared to satisfy the reporting requirements for PADEP Act 2 Special Industrial Areas.

During June of 2013, a Work Plan for BRI was prepared by EarthRes in accordance with the requirements for a Work Plan for Baseline Remedial Investigation for Special Industrial Areas (SIA) pursuant to the Pennsylvania Department of Environmental Protection (PADEP) Land Recycling Program (Act 2) Technical Guidance Manual, dated June 8, 2002. The Work Plan was submitted to the United States Environmental Protection Agency (USEPA) and PADEP on June 25, 2013. Subsequently, comments were received from PADEP on August 5, 2013 and, USEPA on November 19, 2013 and December 4, 2013. A revised Work Plan was submitted to both agencies on December 24, 2013 and approved by PADEP on January 2, 2014. The BRI was completed by EarthRes between December 2013 and July 2014. Project correspondence is located in Appendix B.

1.1 Background Information

The subject property consists of two (2) parcels encompassing approximately 19.2 acres in size, and is identified by the Lehigh County Assessment Office as Parcel 549697391312 (1.7 acres of undeveloped land) and Parcel 549697354907 (17.54 acres includes all Site buildings). The Site is bounded by industrial/commercial properties, wooded land, the Little Lehigh Creek, and South Tenth Street. The Site is currently unoccupied and has been vacant since August 2011.

The Site is owned by the Allentown Commercial & Industrial Development Authority (ACIDA). Future use of the Site is unspecified at this time; however, ACIDA would like to redevelop or sell the Site for non-residential redevelopment. To date, private interest in redeveloping the Site has been limited by the prohibitive cost of completing cleanup activities and concerns about environmental conditions. ACIDA purchased the property from 600 South Tenth Street Holding Company LLC of New York, New York during April of 2013. The Site is located within the

City of Allentown's Enterprise Zone and a Pennsylvania Keystone Opportunity Expansion Zone (KOEZ).

EarthRes personnel conducted a Phase I Environmental Site Assessment (ESA) at the Site during March 2013 and found evidence of several Areas of Potential Environmental Concern (APEC). Descriptions of the APECs are provided in the following paragraphs:

- Various containers and drums of unknown substances, petroleum-based products, paints, and solvents were identified around the exterior of the site buildings, as well as within the site buildings;
- The integrity of the existing 1,000-gallon, 6,000-gallon, and 30,000-gallon USTs;
- A historic release in association with the former 10,000-gallon UST at the Site;
- A historic release related to the 30,000-gallon UST;
- Miscellaneous trash, office furniture, and other debris were observed around the exterior of the site buildings, as well as within the site buildings;
- Aboveground storage tanks (ASTs) located along the western exterior of the South Pit Assembly area, north of the Oven. The secondary containment contained what appeared to be No. 2 Fuel Oil at the time of site reconnaissance. The AST was no longer present. Two ASTs were observed under the elevated rail in the North Pit Assembly area. The Mezzanine contained one (1) approximate 275-gallon AST;
- Three (3) transformers were observed along the southern exterior wall of the Power House, within a fenced area. The top of one (1) transformer was open at the time of site reconnaissance, and dielectric fluid and water were observed within the transformer. The eastern-most room of the Power House contained two (2) open transformers filled with dielectric fluid. Tags on the exterior of the transformers indicated the dielectric fluid had been tested for polychlorinated biphenyl (PCB) content and was found to contain less than 50 parts per million (ppm) PCB;
- An elevated rail siding located north of the Heavy Plate Shop and Power House. The historic use of the rail is unknown, but may have been used to transport materials, including various oils, to the facility;
- Open pits and sumps located within the interior of the Site buildings. Some pits contained oil, water and trash;
- Rail sidings within the western and northern portions of the Site. Foundry waste may have been historically generated and used as fill throughout the Site;
- Surface spills to earthen floors;
- Utility tunnels filled with trash and debris; and
- Based upon the historical use of the Site and adjacent properties for industrial purposes, impacts to groundwater may be present.

During June of 2013, a Work Plan for BRI was prepared by EarthRes on behalf of LVEDC and AEDC in accordance with the requirements for a Work Plan for Baseline Remedial Investigation for Special Industrial Areas (SIA) pursuant to the Pennsylvania Department of Environmental Protection (PADEP) Land Recycling Program (Act 2) Technical Guidance Manual, dated June 8, 2002. The Work Plan was submitted to USEPA and PADEP on June 25, 2013. Subsequently,

comments were received from PADEP on August 5, 2013 and, USEPA on November 19, 2013 and December 4, 2013. A revised Work Plan was submitted to both agencies on December 24, 2013. The BRI was completed by EarthRes between December 2013 and July 2014.

Three (3) APECs identified in the Phase I ESA (Sumps/Pits, Surface Spills to Former Earthen Floors and Utility Tunnels) were not directly investigated during completion of the BRI. Rather, sampling was conducted along the exterior of the buildings through the collection of surficial soil samples, subsurface soil samples and groundwater samples. The former earthen floors are now covered by concrete floors that will not be removed as part of building renovation activities. The utility tunnels are confined spaces that contain miscellaneous trash and asbestos-containing materials and would not be considered to pose immediate, direct or imminent threats to human health and the environment. However, should building renovation plans change or if contamination is suspected, EarthRes recommends that APECs be directly investigated.

See Figure 2 in Appendix A for the approximate location of the APECs. Following is a brief summary of the proposed scope of work presented in the Work Plan.

APEC-01: Containers and Drums of Unknown Substances

Contents of the identified containers and drums will be first characterized for proper off-site disposal or recycling. Once the drums and containers are moved aside or completely removed from the exterior portions of the Site, shallow soil borings will be installed and soil samples will be obtained. The borings will be advanced to a depth of 2' below the ground surface (bgs). The contents of each soil boring will be screened with a PID and will be inspected for soil attributes such as texture, odors, color, and staining, which will be recorded in a field notebook. Surficial samples will be grab samples collected from 0 to 6 inches bgs for all parameters except VOCs, which will be collected from 18 to 24 inches bgs unless field PID readings or observations such as odors or staining are evident from a 6-inch horizon located above 18-inches bgs. Samples will be analyzed for Volatile Organic Compounds (VOCs), Base Neutral and Acid Extractable Semi-Volatile Organic Compounds (BNAs), Polychlorinated Biphenyls (PCBs), and the Resource Conservation and Recovery Act (RCRA) list of Metals.

APEC-02: Underground Storage Tanks (USTs)

A geophysical survey using Ground Penetrating Radar (GPR) and, or a high sensitivity metal detector/pipe locator will be completed to confirm or determine the locations of the 1,000-gallon, 6,000-gallon, 30,000-gallon, suspect piping and the suspected additional UST along the eastern exterior of the Power House. The area of the former 10,000-gallon UST will also be surveyed to confirm the UST has been removed.

EarthRes will contract with a certified tank contractor to determine the actual size of the USTs and if petroleum product or other liquids (i.e. water) are present in the USTs. If technically feasible, the USTs will be removed from the ground and taken off-site for disposal so that soil samples can be collected from the area directly beneath the tanks. If the USTs remain in-place, soil samples will be obtained adjacent to the USTs. EarthRes recommends the USTs be removed

prior to sampling because UST leaks frequently occur on the lower half of the tank, where they may be undetected by sampling completed next to an in-situ tank. However, should the removal of any UST be technically impractical due to structural reasons or others, the UST may be closed in-place according to PADEP closure requirements.

The number and type of soil samples obtained will be in accordance with PADEP Document Closure Requirements for Underground Storage Tank Systems dated December 2012.

APEC-03: Miscellaneous Debris

After the trash and other debris have been move aside or completely removed, approximately four (4) shallow soil borings will be installed in the areas where waste materials have been identified. Soil samples will be collected and submitted to the laboratory using the applicable methods described in the generic QAPP. The borings will be advanced to a depth of 2' bgs. The contents of each soil boring will be screened with a PID and will be inspected for soil attributes such as texture, odors, color, and staining, which will be recorded in a field notebook. Surficial samples will be grab samples collected from 0 to 6 inches bgs for all parameters except VOCs, which will be collected from 18 to 24 inches bgs unless field PID readings or observations such as odors or staining are evident from a 6-inch horizon located above 18-inches bgs. Samples will be analyzed for VOCs, BNAs, PCBs, and RCRA Metals.

APEC-04: Former Aboveground Storage Tank (AST)

Shallow soil borings will be installed around the covered former AST area observed along the western exterior of the South Pit Assembly area, north of the Oven. The secondary containment contained what appeared to be No. 2 Fuel Oil at the time of site reconnaissance. Soil samples will be collected and submitted to the laboratory using the applicable methods described in the generic QAPP. The borings will be advanced to a depth of 2' bgs. The contents of each soil boring will be screened with a PID and will be inspected for soil attributes such as texture, odors, color, and staining, which will be recorded in a field notebook. The 6-inch interval demonstrating the highest field PID readings or observations such as odors or staining will be sampled. If no impacts are indicated, a sample will be obtained from 6 to 12 inches bgs. Samples will be analyzed for PADEP Fuel Oil #2 Short List parameters.

APEC-05: Transformers

Soil sampling will be completed around the area of the three (3) transformers observed along the southern exterior wall of the Power House. Soil samples will be collected and submitted to the laboratory using the applicable methods described in the generic QAPP. The borings will be advanced to a depth of 2' bgs. The contents of each soil boring will be screened with a PID and will be inspected for soil attributes such as texture, odors, color, and staining, which will be recorded in a field notebook. The 6-inch interval demonstrating the highest field PID readings or observations such as odors or staining will be sampled. If no impacts are indicated, a sample will be obtained from 6 to 12 inches bgs. Samples will be analyzed for PADEP Mineral Insulating Oil Short List parameters or PCBs.

APEC-06: Former Rail Sidings

Shallow soil borings will be installed in the former rail siding area located northwest of the Heavy Plate Shop. Soil samples will be collected and submitted to the laboratory using the applicable methods described in the generic QAPP. The borings will be advanced to a depth of 2' bgs. The contents of each soil boring will be screened with a PID and will be inspected for soil attributes such as texture, odors, color, and staining, which will be recorded in a field notebook. Surficial samples will be grab samples collected from 0 to 6 inches bgs for all parameters except VOCs, which will be collected from 18 to 24 inches bgs unless field PID readings or observations such as odors or staining are evident from a 6-inch horizon located above 18-inches bgs. Samples will be analyzed for VOCs, BNAs, PCBs, and RCRA Metals.

APEC-07: Pits/Sumps

Approximately one (1) soil boring will be installed adjacent to the sump located outside the Mack Building/Warehouse and one (1) soil boring will be installed along the western exterior of the Power House. Approximately eight (8) soil borings will be installed along the northern and western exterior of the Machine Shop, North Pit Assembly and South Pit Assembly areas. Approximately five (5) soil borings will be installed along the northern, western and southern exterior of the Heavy Plate Shop. Soil samples will be collected and submitted to the laboratory using the applicable methods described in the generic QAPP. One (1) soil sample will be collected from each boring from the depth that appears to contain the highest concentration of contaminants based on field screening observations such as odors, staining, and PID readings. If there are no field indications of contamination, a sample will be selected from the bottom of the boring. If groundwater is encountered in a soil boring, a sample will be collected from approximately six (6) inches above the water table to avoid collecting a saturated soil sample. Samples will be analyzed for VOCs, BNAs, PCBs, and RCRA Metals.

APEC-08: Historic Fill

Soil borings will be installed in areas of potential historical foundry waste disposal. Soil samples will be collected and submitted to the laboratory using the applicable methods described in the generic QAPP. Some borings will be completed using only surficial soil sampling methods. These borings will be advanced to a depth of 2' bgs. The contents of each soil boring will be screened with a PID and will be inspected for soil attributes such as texture, odors, color, and staining, which will be recorded in a field notebook. Surficial samples will be grab samples collected from 0 to 6 inches bgs for all parameters except VOCs, which will be collected from 18 to 24 inches bgs unless field PID readings or observations such as odors or staining are evident from a 6-inch horizon located above 18-inches bgs.

The remaining soil borings will be completed using both surficial (previously described) and subsurface soil sampling methods. The soil borings will be completed using subsurface sampling methods (e.g., direct push methods) described in the QAPP. The borings will be advanced to an approximate depth of 15 feet bgs. If refusal and/or groundwater are encountered

prior to reaching 15 feet bgs, the soil boring will be stopped at the depth of refusal or groundwater. The contents of each soil boring will be screened with a PID and will be inspected for soil attributes such as texture, odors, color, and staining, which will be recorded in a field notebook. The subsurface soil sample will be collected from the depth that appears to contain the highest concentration of contaminants based on field screening observations such as odors, staining, and PID readings. If there are no field indications of contamination, a sample will be selected from the bottom of the boring. If groundwater is encountered in a soil boring, a sample will be collected from approximately six (6) inches above the water table to avoid collecting a saturated soil sample. Samples will be analyzed for VOCs, BNAs, PCBs, and RCRA Metals. Three (3) borings will serve a dual purpose and will be used to characterize the subsurface soils potentially related to the building sumps (APEC-07) located in the Heavy Plate Shop.

APEC-09: Groundwater

To assist in further evaluating groundwater quality and flow direction, six (6) groundwater monitoring wells (MW-1 through MW-6) will be installed. Proposed monitoring well MW-1 is located in the probable upgradient location while monitoring wells MW-2 through MW-6 are located in probable downgradient locations relative to site structures and past site activities. Surveying activities will be completed to establish the vertical and horizontal coordinates of the well. Two (2) rounds of groundwater samples will be collected approximately 90 days apart from each well using the three to five volume purge methods described in the QAPP. A decontaminated submersible pump will be utilized for purging and sample collection. Field measurements including: pH, redox, temperature, specific conductance and water level will be recorded prior to, during and after purging. In addition, weather conditions and time of sampling will also be noted in a field notebook. The samples will be analyzed for VOCs, BNAs, PCBs, and dissolved RCRA Metals.

Staff gages or measuring points along Little Lehigh Creek will be established to determine the surface water elevations during the collection of groundwater samples.

1.2 Project Correspondence

An Act 2 Notice of Intent to Remediate (NIR) was submitted to the PADEP and printed in *The Morning Call* newspaper on September 16, 2013. Appropriate public notifications have been completed and submitted to the local municipalities. The newspaper proof of publication, return receipts and confirmation letter from PADEP are located in Appendix B. Public involvement was not requested by the local municipalities or other public entities.

1.3 Re-use of the Site

Re-use of the Site will benefit the public by providing employment during and after construction, support the local economy by using local vendors and increasing the tax base and, develop a site that in recent years, has been underutilized and neglected. Based on communication with AEDC, approximately 75 full time and 25 part time jobs will be created.

2.0 SITE SETTING

The Site elevation ranges from approximately 280 feet above mean sea level (amsl) to 250 feet amsl and slopes toward the Little Lehigh Creek, which borders the Site to the north and west as determined by review of the USGS 7.5 Minute Topographic Quadrangle of Allentown East, Pennsylvania.

2.1 Geology

The Site is underlain by the Cambrian-aged Allentown Formation (€al), as determined by review of the Pennsylvania Geological Survey 7.5 Minute Quadrangle Map 61 of the Allentown East, Pennsylvania Quadrangle (see Figure 3 in Appendix A, "Site Geology Map"). According to the *Engineering Characteristics of the Rocks of Pennsylvania* (Geyer and Wilshusen, 1982), the Allentown Formation is comprised of a medium-gray dolomite and impure limestone. Six (6) groundwater monitoring wells were installed for BRI. All monitoring wells encountered overburden ranging from 25' in monitoring well MW-1 to 15' in monitoring well MW-6. The overburden consisted of fill, gravelly sand and gravel. Bedrock was not encountered during installation of the monitoring wells; however, monitoring well MW-4 encountered subsurface conditions indicative of weathered (dolostone) bedrock. Refusal on what was suspected to be bedrock was noted in some the soil probes located along the north side of Machine Shop and west of the Heavy Plate Shop.

Although cut-slope stability and foundation stability are noted to be good, sinkhole formation can be an issue in the Allentown Formation. Geyer and Wilshusen recommend that a thorough sinkhole investigation be conducted for sites underlain by the Allentown Formation. Review of mapping completed by W.E. Kochanov indicates the strike of bedrock to be approximately North 45° West and dipping 34° to the Southwest. Also, the mapping indicates no sinkholes were identified at the Site.

2.2 Hydrogeology

Based upon the installation of six (6) groundwater monitoring wells at the Site, shallow groundwater exhibits flow patterns toward the north and west. These elevations and directions are consistent with mapping completed by the Pennsylvania Topographic and Geologic Survey (Water Resources of Lehigh County, Pennsylvania, Water Resources Report 31, 1972). The *Engineering Characteristics of the Rocks of Pennsylvania* notes that this aquifer can be easily contaminated and turbidity is a common water problem. The median yield for groundwater wells drilled in this Formation ranges from 60 to 210 gallons per minute (gpm). The Allentown Bureau of Water Resources facility (Crystal Spring) is located 100' west the Site, across the Little Lehigh Creek. Additional hydrogeologic information is presented in Section 6.0.

2.3 Hydrology

The Little Lehigh Creek is located just to the north of the Site and runs along the western and northern portion of the property boundaries. According to PADEP Chapter 93, the Little Lehigh Creek is designated as a high quality, cold water fishery (HQ-CWF), migratory fishery (MF). Jordan Creek is located approximately 0.50 miles east of the Site. The Lehigh River is located approximately 0.75 miles east of the Site. Trout Creek is located approximately 0.75 miles southeast of the Site. Cedar Creek is located approximately 1.25 miles west-southwest of the Site.

Stormwater is managed on-Site by the use of the inlets within paved areas that discharge to the Little Lehigh Creek. However, with the exception of the southwestern portion of the Site, stormwater within gravel covered areas is primarily contained on-Site by existing embankments (rail spurs).

2.4 Soils and Wetlands

Soils mapped in the vicinity of the site buildings consist primarily of Urban Land (UgC), derived from shale and siltstone complexes. Other soils throughout the Site are primarily silt loams. Soil mapping is depicted on Figure 4 in Appendix A, "Site Soils Map." The western and northern portions of the Site are wooded, consisting of deciduous tree species. Areas within the western, northern, and southern part of the Site also contain "scrub" vegetation and grasses. The majority of the Site is not vegetated. Forested land is present northeast and west-southwest of the Site.

Based upon review of soil mapping, reconnaissance activities completed by EarthRes and review of the National Wetland Inventory Mapping, no wetlands are present within the boundaries of the property. Wetland features outside the 2,500-foot radius may be present within the forested areas east and northeast of the Site (see Figure 5 in Appendix A, "Wetlands Features Map").

2.5 Other Features

Mapping by Kochanov indicates a surface mine for limestone was once located in nearby Fountain Park. Also, based upon the geologic and development history of the area, there are no active or inactive oil and gas wells, surface and underground coal mines and mine pool discharges located within 2,500' of the property. Also, EarthRes reviewed historical aerial photographs and topographic maps and did not identify nearby landfills or surface impoundments other than the historical impoundments used by the nearby Allentown water treatment facility.

3.0 SITE DESCRIPTION

The following section provides the location and legal description of the Site, characteristics of the surrounding area and improvements to the Site.

3.1 Location and Legal Description

The Allentown Metal Works property is located at 606 South Tenth Street in the city of Allentown, Lehigh County, Pennsylvania. The subject property is irregularly shaped and approximately 19.2 acres in size. The Site is comprised of two (2) parcels, identified by the Lehigh County Assessment Office as Parcel 549697391312 (1.7 acres of undeveloped land) and Parcel 549697354907 (17.54 acres includes all Site buildings).

The parcel located in the City of Allentown is zoned for Industrial use. The Site is located in what is known as the Keystone Opportunity Enterprise Zone (KOEZ), a tax-advantaged district located within the City of Allentown targeted for redevelopment. Site development activities would occur within the two (2) tax parcels located in the City of Allentown.

The legal description of the Site, as provided in the Sherriff's Deed obtained from the Lehigh County Recorder of Deeds Office, Instrument Number 2011025796, dated August 22, 2011, is located in Appendix C.

3.2 Site and Vicinity General Characteristics

The Site is currently vacant and has been since August 2011. The properties surrounding and in close proximity to the Site are a mixture of industrial use, commercial use, and public space. The site is bordered to the south by an industrial/commercial property identified as the Hillside Enterprise Center. South Tenth Street borders the site to the east with the Bridgeworks Industrial Center located east of the road. The site is bordered to the west by wooded land and the Little Lehigh Creek. The Allentown Bureau of Water Resources facility is located west of the Site, across the Little Lehigh Creek. Wooded land and the Little Lehigh Creek border the Site to the north with Fountain Park located north of the Little Lehigh Creek (see Figure 6 in Appendix A, "Site & Vicinity Features").

3.3 Current use of Property

The site is currently vacant and has been since August 2011.

3.4 Description of Structures, Roads and Site Improvements

The site currently contains eight (8) structures consisting of the following: Office; Oil House; Power House; Main Plant (Machine Shop, Light Plate Shop, North Pit Assembly, South Pit Assembly, and Cooler Assembly/Receiving are housed in this building); Mack Building/Warehouse; Truck/Paint Shop; Maintenance Building; and Heavy Plate Shop. Each of the site buildings is of concrete block construction with metal and/or wood framing. The Main

Plant building contains subsurface areas including sumps, pits, a basement within the northeast corner, and subsurface utility tunnels. All of the other buildings appeared to be slab-on-grade.

The driveway entrance to the Site is located in the southeastern corner of the property boundary and comes off of South Tenth Street. The driveway is paved and the area around the site buildings is asphalt paved and/or gravel. Former rail sidings are located within the western portion of the Site. An elevated rail siding is located north of the Heavy Plate Shop and Power House. Locked entrance gates and fencing are located along the eastern perimeter of the Site at the northeastern and southeastern corners of the property boundaries. Also, a fence is located along the southern perimeter.

The Site is served by public water and sewer services. Gas service is provided along the east side of the Site. Water mains enter the Site from the east and from the north and sewer lines enter the Site from the east and west. There are numerous private subsurface utility lines located on-Site that have not been identified. Stormwater is managed by the use of the inlets within paved areas that discharge to the Little Lehigh Creek. However, with the exception of the southwestern portion of the Site, stormwater within gravel covered areas is primarily contained on-Site by existing embankments (rail spurs).

4.0 HISTORICAL USE INFORMATION ON THE PROPERTY

Based upon review of available historical information for the Site, the Site was used industrially as early as 1902. This is based upon information obtained through review of regional newspaper articles regarding the facility, historical aerial photographs, historical topographic maps, and Sanborn® Fire Insurance Maps for the Site. The 1893 USGS Topographic Map and the 1897 Sanborn® Fire Insurance Map show the Site to not contain any structures. A newspaper article from 2008 in *The Morning Call* indicated the Traylor Engineering and Manufacturing Company opened their facility at the current Site location in 1902. The 1911 Sanborn® Fire Insurance Map indicates the majority of the current Site to be owned by Traylor Engineering and Manufacturing Company, with the area of the current Mack Building/Warehouse indicated to be owned by Mack Brothers Motor Company. Buildings are indicated on the 1939 Aerial Photograph and the 1947 USGS Topographic Map. Information prior to 1893 was not reasonably ascertainable.

The historical use of the Site included rail sidings within the western and northern portions of the Site. Foundry waste may have been historically generated and used as fill throughout the Site.

EarthRes reviewed historic aerial photographs and topographic maps of the Site obtained from EDR. Aerial photographs were available for 1939, 1955, 1957, 1962, 1972, 1974, 1981, 1987, 1992, 1999, 2005, 2008, and 2010. Topographic maps were available for 1893, 1947, 1957, 1964, 1972 (photorevised from 1964), 1983 (photorevised from 1964), 1992 (photorevised from 1964), and 1999. The maps are included in Appendix D.

Based on review of the available Sanborn® Fire Insurance Maps, portions of the Main Plant (Machine Shop, Light Plate Shop, North Pit Assembly, South Pit Assembly), Mack Building/Warehouse, Office, Power House, and Heavy Plate Shop have existed on the Site since at least 1911. The Maintenance building (labeled Storage), Paint/Truck Shop (labeled Truck Dept.) and Oil House (labeled Electric Dept.) are first indicated on the 1932 Sanborn® Map. Building additions and removal of former smaller buildings (Storage, timekeeper's office) are noted on the Sanborn® Maps. The western portion of the Main Plant (current South Pit and North Pit Assembly areas), the Machine Shop, the Office and Heavy Plate Shop were noted to historically have earthen floors.

The original fuel source for heat to the buildings was coal, as indicated by the coal bin on the 1911 Sanborn® Map. The 1977 Sanborn® Map indicates the fuel source to be coal. No fuel oil storage tanks are indicated on the Sanborn® Maps.

4.1 Historical Use Information on Adjoining Properties

Based upon review of Sanborn® Fire Insurance Maps, historical aerial photographs and topographic maps for the Site and surrounding areas, the areas around the Site were primarily used industrially or were undeveloped as early as 1932. The 1932 Sanborn® Map and the 1939 aerial photograph indicate the presence of industrial buildings adjacent to the south of the Site. According to the Sanborn® Map, this property was owned by the International Motor Company-

Mack Plant No. 3. The Allentown City Pumping Station (current Allentown Bureau of Water Resources), located northwest of the Site, across the Little Lehigh Creek, is indicated on the 1897 Sanborn® Map. Industrial use properties are apparent east of the Site, east of South Tenth Street, on the 1939 aerial photograph. Residential development was apparent to the south and north of the Site on the 1939 aerial photograph.

5.0 SOIL SAMPLING INVESTIGATION

The following section present the background information and results for the soil sampling investigation completed at the Site.

5.1 Background

Soil probes were installed using a standard two (2) inch diameter Geoprobe[®] truck-mounted or track-mounted hydraulic, direct-push system that advances a four (4) foot long sampling tube into the subsurface. The re-useable sampling barrel is constructed of stainless steel and is lined with a disposable acetate liner. Stainless steel rods are connected to the sampling barrel to increase the depth of sample collection. The retrieved soil located within the disposable sampling tubes was field screened for the presence of volatile organic compound (VOC) vapors using a factory calibrated Rae Systems, Inc. MiniRae[®] photoionization detector (PID). Where Site access was limited for the Geoprobe[®], sampling was conducted using a stainless steel hand auger or stainless steel scoops.

Samples were collected using the field sampling and equipment decontamination procedures as proposed in the Work Plan, and were placed in the appropriately labeled, pre-preserved (as necessary) laboratory-supplied sampling jars. Samples were immediately stored on ice to complete sample preservation procedures. The preserved samples were transmitted using standard chain-of-custody protocols to ALS Environmental in Middletown, Pennsylvania.

The samples were analyzed for one or more of following parameter groups:

- Resource Conservation and Recovery Act (RCRA) Metals using EPA Methods 6010C & 7471A;
- Volatile Organic Compounds (VOCs) using EPA Method 8260B. Soil samples were obtained using Terra Cores;
- Semi-Volatile Organic Compounds (SVOCs) using EPA Method 8270C and D;
- Metals using EPA Method 6020A; and
- Polychlorinated Biphenyls (PCBs) using EPA Method 8082A.

The results of the soil samples were compared to Act 2 soil Medium Specific Concentrations (MSCs) for non-residential sites, 0-2' bgs and 2-15' bgs with used aquifers. MSCs were determined following the criteria specified in Chapter 250, Section 304 (d) and (e).

EarthRes contracted with TPI Environmental, Inc. (TPI) to install Geoprobe[®] soil probes and complete a geophysical survey at the Site. Prior to completing the subsurface investigation (soil probes and monitoring wells), geophysical methods (Electromagnetic {EM} and Ground Penetrating Radar {GPR}) were used to clear drilling locations and to identify potential USTs.

5.2 Sampling Locations

Sampling locations are shown on the Figures 7 to 9 in Appendix A. EarthRes personnel were onsite with TPI on January 9, 10, 13, and 14 and April 9, 2014 to complete the soil probes and sample collection. Overall, weather and ground conditions were poor during the January sampling events due to cold air temperatures, precipitation and the presence of ice and snow which obscured the ground surface. In addition, due to some APECs overlapping each other, some borings or samples may serve a dual purpose and used to characterize more than one (1) APEC.

The following areas were investigated as a part of the sampling activities completed during January of 2014: APEC-02 (Underground Storage Tanks), APEC-03 (Miscellaneous Debris), APEC-04 (Former Aboveground Storage Tank), APECs 06 & 07 (Former Rail Sidings and Pits/Sumps) and, APEC-08 (Historic Fill).

The following areas were investigated as a part of the sampling activities completed during April 2014: APEC-01 (Containers and Drums of Unknown Substances), APEC-05 (Transformers), APEC-06 (Former Rail Sidings) and, APEC-07 (Pits/Sumps).

Laboratory results are summarized in the Tables 1A through 1H located in Appendix E and the laboratory certificates are included in Appendix I. Soil probe descriptions are located in Appendix F. The following sections provide a summary of the investigation and findings.

5.2.1 APEC-01: Containers and Drums of Unknown Substances

During December of 2013, the drums and containers were characterized by Capitol Environmental Services. Approximately 130 drums and 170 containers were characterized in the field and primarily contained the following general substances: unused oil, used hydraulic oil, used cutting oil, paint waste, solvents, oil-soaked grit and blasting grit. Small quantities of acid were also noted.

On April 9, 2014, nine (9) soil probes (P-52, P-53, P-54, P-58, P-59, P-60, P-61, P-63 and P-64) were installed in the drum storage areas located adjacent to the Power House, South Pit Assembly area, North Pit Assembly area and adjacent to the elevated rail siding (drums stored beneath siding). The sampling of APEC-01 consisted of 3 grab samples (P52-A, P53-A, and P54-A) adjacent to the Power House; 4 grab samples (P58-A, P59-A, P60-A, and P61-A) adjacent to the South Pit Assembly area; 1 grab sample from adjacent to the elevated rail spur (P-63-A); and 1 grab sample (P64-A) adjacent to the North Pit Assembly area. The samples were collected as specified in the Work Plan and submitted for laboratory analysis of VOCs, RCRA Metals, PCBs, and BNA. Sample locations are shown in Figure 7 in Appendix A, and the laboratory results are summarized in Table 1A in Appendix E.

- During the field screening of the recovered materials, no PID readings were indicated for P-52, P-53, and P-54 located adjacent to the Power House. Field screening of the borehole headspace indicated PID readings in P-52 at 8.8 parts per million (ppm) and P-

54 at 1.2 ppm. Typical materials encountered included a dark silt underlain by tan silt or orange silty clay. Some discolored materials and odors were observed at the surface; however, all analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

- During the field screening of the recovered materials, PID readings were indicated for P-58, P-59, P-60 and P-61 located adjacent to the South Pit Assembly area. Field screening of the borehole headspace indicated PID readings in P-58 (17.8 at ppm), P-59 (>200 ppm), P-60 (0.1 ppm) and P-61 (0.1 ppm). Typical materials encountered included a dark silt underlain by tan to grey clay and some fill. Some discolored materials and odors were observed at the surface and subsurface. All analyzed parameters, with the exception of ethylbenzene, total xylenes, naphthalene and lead were indicated to be either below the laboratory detection limit or the applicable non-residential MSCs. For sample P58-A, lead (489 mg/kg) was detected above the non-residential MSC of 450 mg/kg. For sample P59-A, ethylbenzene (542 mg/kg) and lead (583 mg/kg) were detected above their respective non-residential MSCs of 70 mg/kg and 450 mg/kg. Total xylenes (2,578 mg/kg) were also detected above the non-residential MSC of 1,000 mg/kg as well as naphthalene (117 mg/kg) which was detected above the non-residential MSC of 25 mg/kg. For samples P60-A, lead (461 mg/kg) was detected above the MSC of 450 mg/kg. For sample P61-A, lead (452 mg/kg) was detected above the MSC of 450 mg/kg.

- During the field screening of the recovered materials, no PID readings were indicated for P-63 located adjacent to the elevated rail siding. Field screening of the borehole headspace indicated a PID reading of 1.4 ppm. Typical materials encountered included a dark silt underlain by brown silt. No odors or discolored material were observed. With the exception of arsenic (29.8 mg/kg) which was detected slightly above the MSC of 29 mg/kg, all analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

- During the field screening of the recovered materials, no PID readings were indicated for P-64 located adjacent to the North Pit Assembly area. Field screening of the borehole headspace indicated a PID reading of 1.1 ppm. Typical materials encountered included a dark silt underlain by tan clay. No odors or discolored material were observed. All analyzed parameters, with the exception of benzo(a)pyrene, benzo(b)fluoranthene and dibenzo(a,h)anthracene were indicated to be either below the laboratory detection limit or the applicable non-residential MSCs. For sample P64-A, benzo(a)pyrene (75.6 mg/kg) was detected above the non-residential MSC of 11 mg/kg. Benzo(b)fluoranthene (113 mg/kg) was also detected above the non-residential MSC of 110 mg/kg as well as dibenzo(a,h)anthracene (14.9 mg/kg) which was detected above the non-residential MSC of 11 mg/kg. The direct contact numeric values for benzo(a)pyrene (11 mg/kg), benzo(b)fluoranthene (110 mg/kg) and dibenzo(a,h)anthracene (11 mg/kg) were also exceeded.

5.2.2 APEC-02: Underground Storage Tanks (USTs)

Geophysics did not confirm the presence of a UST located on the east side of the Power House. The suspect manhole lid was opened and piping/pump indicative of a stormwater management system was discovered. Also, geophysics did not confirm the presence of the 10,000-gallon UST formerly located within the northeast corner of the Site. Geophysics (GPR) did show the presence of a large area indicative of a UST excavation site that had been backfilled (also indicated by ground surface depression).

Hafer Petroleum completed a site inspection on January 12, 2014 and obtained the following preliminary information regarding the USTs:

- 1,000 gallon UST located east of Heavy Plate Shop and west of the Power House contains 3” of water and 16” of free product (waste or heavy oil); approximately 64” in diameter and 6' long, constructed of steel with a burial depth of approximately 16”;
- 6,000 gallon UST located northwest of North Pit Assembly Area contains 0” of water and 25” of free product (No. 2 Fuel Oil); approximately 8' in diameter and 16' long, covered by concrete pad, constructed of steel with a burial depth of approximately 25”;
- 30,000 gallon UST located east of Heavy Plate Shop and west of the Power House contains 4” of water and 20.5” of free product (No. 2 Fuel Oil); approximately 10' in diameter and 48' long, constructed of steel with a burial depth of approximately 5'.

On January 10, 13, and 14, 2014, fourteen (14) soil probes (P-20, P-22, P-23, P-25, P-26, P-32, P-33, P-34, P-35, P-36, P-37, P-38, P-39 and P-42) were installed in the underground storage tank areas located northwest of the North Pit Assembly area (6,000-gallon UST), north of the Mack Building/Warehouse (former 10,000-gallon UST), and between the Heavy Plate Shop and Power House (1,000-gallon UST and 30,000-gallon UST).

The sampling of APEC-02 consisted of 6 grab samples (P20-A, P22-A, P23-A, P25-A, P26-A and P26-B) northwest of the North Pit Assembly area; 5 grab samples (P32-B, P33-A, P34-A, P35-A, and P36-A) north of the Mack Building/Warehouse; 3 grab samples (P37-A, P38-A, and P39-A) between the Heavy Plate Shop and Power House; and 1 grab sample (P42-A) between the Heavy Plate Shop and Power House. The samples were collected as specified in the Work Plan and submitted for laboratory analysis of VOCs, RCRA Metals, PCBs, and BNA and, or PA DEP Fuel Oil #2 and #4 parameters. Sample locations are shown in Figure 7 in Appendix A, and the laboratory results are summarized in Table 1B in Appendix E.

- 6,000-gallon UST: During the field screening of the recovered materials, PID readings were indicated for P-22, P-23, P-25 and P-26. Field screening of the borehole headspace indicated PID readings in P-22 (1 ppm), P-23 (0.6 ppm), P-25 (49 ppm) and P-26 (180 ppm). Typical materials encountered included silt, ash and modified stone underlain by tan silt. Odors were observed in P-25 and P-26 that did not appear to be related to the

fuel oil. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

- Former 10,000-gallon UST: During the field screening of the recovered materials, PID readings were indicated for P-32, P-33, P-34, P-35, P-35 and P-36. Field screening of the borehole headspace indicated PID readings in P-32 (4 ppm), P-33 (24 ppm), P-34 (24 ppm), P-35 (9 ppm) and P-36 (9 ppm). Typical materials encountered included fill, tan silt and dark sandy silt. Petroleum odors were observed in all borings. Discolored materials were observed in P-33, P-35, and P-36. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.
- 1,000-gallon UST: During the field screening of the recovered materials, no PID readings were detected for P-37, P-38 and P-39. Field screening of the borehole headspace indicated PID readings in P-37 (0.7 ppm), P-38 (0.5 ppm) and P-39 (3 ppm). Typical materials encountered included fill underlain by tan silt. Drilling was limited in this area by shallow refusal. Petroleum odors were observed in P-37. No discolored materials were observed in any boring. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.
- 30,000-gallon UST: During the field screening of the recovered materials, PID readings were indicated for P-42. Field screening of the borehole headspace indicated a PID reading of 1.5 ppm. Typical materials encountered included fill, tan/black silt, gravel and tan silt. Drilling was limited in this area by shallow refusal. No odors or discolored materials were observed. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

5.2.3 APEC-03: Miscellaneous Trash and Other Debris

On January 10, 2014, four (4) soil probes (P-13, P-14, P-15 and P-19) were installed in the area around the miscellaneous debris located in the southwestern corner of the site and between the Oil House and Maintenance Shop. The sampling of APEC-03 consisted of 3 grab samples around an area in the southwestern corner of the site that contained various pallets, drums, and general debris (P13-A, P14-A, and P15-A); and 1 grab sample between the Oil House and Maintenance Shop (P19-A). The samples were collected as specified in the Work Plan and submitted for laboratory analysis of VOCs, RCRA Metals, PCBs, and BNA. Sample locations are shown in Figure 7 in Appendix A, and the laboratory results are summarized in Table 1C in Appendix E.

- During the field screening of the recovered materials and completed boreholes, no PID readings were indicated in P-13, P-14, and P-15. Typical materials encountered included a dark silt and cinders underlain by tan silt. No odors or discolored material were observed. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

- During the field screening of the recovered materials and completed borehole, a low-level PID reading (0.3 ppm) was observed from the borehole headspace in P-19. Typical materials encountered included concrete and fill materials underlain by tan silt. No odors or discolored material were observed. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

5.2.4 APEC-04: Former Aboveground Storage Tanks (ASTs)

Hafer Petroleum completed a site inspection on January 12, 2014 and obtained the following preliminary information regarding the USTs: two (2) empty 275-gallon ASTs were observed under the elevated rail in the North Pit Assembly area. The mezzanine contained one (1), empty 275-gallon AST.

On January 9, 2014, two (2) soil probes (P-4 and P-5) were installed adjacent to the containment area for the former AST or fueling station located along the western exterior of the South Pit Assembly area. The sampling of APEC-04 consisted of 3 grab samples P4-A, P4-B and P-5-A. The samples were collected as specified in the Work Plan; however, in lieu of analyzing for No. 2 fuel oil parameters, the samples were submitted for laboratory analysis of VOCs, RCRA Metals, PCBs, and BNA. Sample locations are shown in Figure 7 in Appendix A, and the laboratory results are summarized in Table 1D in Appendix E.

- During the field screening of the recovered materials and completed borehole at P-4, PID readings were indicated from both the recovered materials and borehole (20 ppm). Typical materials encountered included a dark silt and cinders underlain by reddish brown, olive silt and tan silt. Petroleum odors and discolored materials were observed. With the exception of arsenic (181 mg/kg) in sample P4-B which was detected above the MSC of 29 mg/kg, all analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.
- During the field screening of the recovered materials and completed borehole at P-5, PID readings were indicated from both the recovered materials and borehole (5 ppm). Typical materials encountered included a dark silt and cinders underlain by brick and tan silt. No odors and discolored materials were observed. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

5.2.5 APEC-05: Transformers

On April 9, 2014, three (3) hand auger borings (P-55, P-65 and P-66) were installed on three sides of the transformers located on the southern side of the Power House. The sampling of APEC-05 consisted of 3 grab samples (P55-A, P65-A, and P66-A). The samples were collected as specified in the Work Plan and submitted for laboratory analysis of PCBs. Sample locations

are shown in Figure 7 in Appendix A, and the laboratory results are summarized in Table 1E in Appendix E.

- During the field screening of the recovered materials and completed borehole at P-55, PID readings were indicated from both the recovered materials and borehole (0.5 ppm). Typical materials encountered included a dark silt underlain by orange silt. No odors and discolored materials were observed. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.
- During the field screening of the recovered materials and completed borehole at P-65, PID readings were indicated from both the recovered materials and borehole (2 ppm). Typical materials encountered included a dark silt underlain by orange silt. Petroleum odors and discolored materials were observed. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.
- During the field screening of the recovered materials and completed borehole at P-66, PID readings were indicated from both the recovered materials and borehole (2 ppm). Typical materials encountered included a dark silt underlain by tan silt. No odors and discolored materials were observed. All analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

5.2.6 APEC-06: Former Rail Sidings

On January 9 and April 9, 2014, eighteen (18) soil probes (P-6, P-7, P-8, P-9, P-10, P-11, P-12, P-24, P-27, P-28, P-29, P-30, P-31, P-32, P-50, P-51, P-56 and P-62) were installed in the former rail siding areas located north of the Machine Shop, west of the North/South Pit Assembly areas, north of the Heavy Plate Shop and from beneath the former elevated rail sidings.

The sampling of APEC-06 consisted of 7 grab samples (P6-A, P7-A, P8-A, P9-A, P10-A, P11-A, and P12-A) located west of the North/South Pit Assembly areas; 2 grab samples (P-50-A and P-51-A) from north of the Heavy Plate Shop; 7 grab samples (P24-A, P27-A, P28-A, P29-A, P30-A, P31-A and P32-A) from north of the Machine Shop; and 2 grab samples (P56-A and P62-A) from beneath the former elevated rail sidings.

The samples were collected as specified in the Work Plan and submitted for laboratory analysis of VOCs, RCRA Metals, PCBs, and BNA. Sample locations are shown in Figure 7 in Appendix A, and the laboratory results are summarized in Table 1F in Appendix E.

- During the field screening of the recovered materials from the area located west of North/South Pit Assembly areas, PID readings were indicated for P-7 and P-11. Field screening of the borehole headspace indicated PID readings in P-6 (3 ppm), P-7 (1.8 ppm) and P-9 (0.7 ppm). Typical materials encountered included a dark silt and cinders. No odors or discolored materials were observed. With the exception of total lead at P-6 (4,250 mg/kg) and the delineation samples P6-A (10,800 mg/kg), P6-B (3,220 mg/kg),

P6-C (1,280 mg/kg) and P6-D (2,690 mg/kg), all analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs. The MSC for lead is 450 mg/kg. Lead also exceeded the direct contact numeric value of 1,000 mg/kg at these locations.

- During the field screening of the recovered materials from the area located north of the Heavy Plate Shop, PID readings were indicated for P-50 and P-51. Field screening of the borehole headspace indicated a PID reading in P-50 (1 ppm) and P-51 (77.1 ppm). Typical materials encountered included a fill underlain by tan silt. No odors or discolored material were observed in P-50, while petroleum odors were observed in P-51. With the exception of total arsenic in P50-A (207 mg/kg), all analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs. Arsenic also exceeded the direct contact numeric value of 53 mg/kg in P50-A.
- During the field screening of the recovered materials from the area located north of the Machine Shop, PID readings were indicated for P-24, P-27, P-28, P-29, P-30, P-31 and P-32. Field screening of the borehole headspace indicated PID readings in P-24 (3 ppm), P-27 (1.5 ppm), P-28 (1.4 ppm), P-30 (52 ppm), P-31 (55 ppm) and P-32 (4 ppm). Typical materials encountered included fill, underlain by ash or tan/olive silt. Petroleum odors and discolored material were observed in all borings. All analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs.
- During the field screening of the recovered materials and completed boreholes from the former elevated rail siding areas, no PID readings were indicated in P-56. PID readings were indicated for the material recovered from P-62 and from the borehole headspace (1 ppm). Typical materials encountered included fill underlain orange/brown silt. No odors or discolored material were observed. All analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs.

5.2.7 APEC-07: Pits/Sumps

On January 9 and April 9, 2014, fifteen (15) soil probes (P-4, P-6, P-50, P-51, P-47, P-48, P-49, P-6, P-24, P-27, P-28, P-29, P-30, P-31 and P-57) was installed north and west of the Machine Shop, north and south of the Heavy Plate Shop and west of the Power House to investigate pits and sumps.

The sampling of APEC-07 consisted of 2 grab samples (P-50-B and P-51-B) from north of the Heavy Plate Shop; 3 grab samples from south of the Heavy Plate Shop (P47-B, P48-B and P49-B); 7 grab samples (P6-B, P24-B, P27-B, P-27-C, P28-B, P29-A, P30-B and P31-B) from north and west of the Machine Shop; and 1 grab sample (P57-A) west of the Power House. A boring was not installed adjacent to the sump located just north of Mack/Warehouse building due the presence of utilities. However, review of the sump bottom indicates discharge to the sanitary or storm sewer. The samples were collected as specified in the Work Plan and submitted for

laboratory analysis of VOCs, RCRA Metals, PCBs, and BNA or No. 2 Fuel Oil parameters. Sample locations are shown in Figure 7 in Appendix A, and the laboratory results are summarized in Table 1G in Appendix E.

- During the field screening of the recovered materials from the area located north of the Heavy Plate Shop, PID readings were indicated for P-50 and P-51. Field screening of the borehole headspace indicated PID readings in P-50 (1 ppm) and P-51 (77.1 ppm). A borehole headspace reading was not obtained from P-50. Typical materials encountered included fill underlain by tan silt. No odors or discolored material were observed in P-50, while petroleum odors were observed in P-51. All analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs.
- During the field screening of the recovered materials from the area located south of the Heavy Plate Shop, PID readings were indicated for P-49. Field screening of the borehole headspace indicated PID readings in P-47 (0.7 ppm), P-48 (0.5 ppm) and P-49 (1.9 ppm). Typical materials encountered included fill, underlain by tan silt and bedrock. No odors or discolored material were observed. All analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs.
- During the field screening of the recovered materials from the area located north and west of the Machine Shop, PID readings were indicated for P-4, P-6, P-24, P-27, P-28, P-29, P-30 and P-31. Field screening of the borehole headspace indicated PID readings in P-4 (20 ppm), P-6 (3 ppm), P-24 (3 ppm), P-27 (1.5 ppm), P-28 (1.4 ppm), P-30 (52 ppm) and P-31 (55 ppm). Typical materials encountered included fill, underlain by ash or tan/olive silt. Petroleum odors and discolored material were observed in all borings. All analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs.
- During the field screening of the recovered materials from the area located west of the Power House, PID readings were indicated for P-57. Field screening of the borehole headspace indicated a PID reading of 2 ppm. Typical materials encountered included fill, underlain by tan silt, grey/green silt/black silt. Petroleum odors and discolored material were observed. All analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs.

5.2.8 APEC-08: Historic Fill

On January 9, 10 and 14, 2014, nine (9) soil probes (P-1, P-2, P-3, P-47, P-48, P-49, P-16, P-17 and P-18) were installed in historic fill areas located west and south of the Heavy Plate Shop. The sampling of APEC-08 consisted of 6 grab samples (P1-A, P1-B, P2-A, P2-B, P3-A, and P3-B) west of the Heavy Plate Shop; and 6 grab samples (P47-A, P48-A, P9-A, P16-A, P17-A, and P18-A) from an area south of the Heavy Plate Shop. The samples were collected as specified in the Work Plan and submitted for laboratory analysis of VOCs, RCRA Metals, PCBs, and BNA.

Sample locations are shown in Figure 7 in Appendix A, and the laboratory results are summarized in Table 1H in Appendix E.

- During the field screening of the recovered materials from the area located west of the Heavy Plate Shop, PID readings were indicated for P-3. Field screening of the borehole headspace indicated no PID readings above 0 ppm. Typical materials encountered included fill, underlain by tan silt and bedrock. No odors or discolored material were observed. All analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs.
- During the field screening of the recovered materials with the PID from the area located south of the Heavy Plate Shop, PID readings were indicated for P-49. Field screening of the borehole headspace indicated PID readings in P-47 (0.7 ppm), P-48 (0.5 ppm) and P-49 (1.9 ppm). Typical materials encountered included fill, underlain by tan silt and bedrock. No odors or discolored material were observed. All analyzed parameters were indicated to be either below the laboratory detection limits or applicable non-residential MSCs.

6.0 GROUNDWATER INVESTIGATION

On January 14 and 15, 2014, six (6) groundwater monitoring wells were installed by C.S. Garber & Sons (PA Driller 0188) at the Site. Monitoring well locations were approved by PADEP and are shown on Figure 7 in Appendix A.

Upgradient Monitoring Well 1 (MW-1) is located southwest of the Oil House. Monitoring Well 2 (MW-2) is located west-southwest of the Heavy Plate Shop while Monitoring Well 3 (MW-3) is located northwest of the Heavy Plate Shop. Monitoring Well 4 (MW-4) is located north of the Mack Building/Warehouse (former location of 10,000-gallon UST). Monitoring Well 5 (MW-5) is located north of the Machine Shop while Monitoring Well 6 (MW-6) is located north of the North Pit Assembly area. In addition, staff gages were established along Little Lehigh Creek. Staff Gages SW-1 and SW-2 utilize pre-existing streamside features while downgradient Staff Gage SW-3 is the USGS Gaging Station at the 10th Street Bridge. All wells and gage locations were surveyed by EarthRes personnel.

The monitoring wells were constructed using 2" diameter SCH 40 PVC riser pipe, 2" diameter PVC No. 10 screen, sand and bentonite. The wells were finished with flush-mount manhole, locking inner plug and a concrete pad. The monitoring wells encountered overburden ranging from 25 feet in monitoring well MW-1 to 15 feet in monitoring well MW-6. The overburden consisted of fill, silt, gravelly sand and gravel. Bedrock was not encountered; however, monitoring well MW-4 encountered subsurface conditions indicative of weathered (dolostone) bedrock. Petroleum odors were indicated in all monitoring wells while elevated PID readings were indicated in all monitoring wells with the exception of monitoring well MW-3. Water levels rose above the depth where encountered indicating semi-confined conditions exist. PA DEP Act 2 MSCs were determined following the criteria specified in Chapter 250, Sections 304, 305 (c) for used, non-residential aquifers with TDS < 2,500 mg/l.

6.1 February 28, 2014 Event

The groundwater samples were collected and identified using their well name (MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6). No separate phase liquid (SPL) was observed at any of the monitoring wells. Field screening using a PID indicated readings in the headspace of MW-1 (38.1 ppm), MW-2 (0 ppm), MW-3 (0.3 ppm), MW-4 (53.1 ppm), MW-5 (23.2 ppm), and MW-6 (146.5 ppm). The samples were submitted for laboratory analysis for VOCs, PCBs, BNAs, and Dissolved Metals.

With the exception of benzene (6.0 µg/L) and vinyl chloride (4.5 µg/L) at MW-6, all analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential and residential MSCs. Low levels of VOCs are present below MSCs in upgradient monitoring well MW-1, in addition to downgradient monitoring wells MW-3 and MW-4. Laboratory results are summarized in Table 2 in Appendix F.

A groundwater flow map constructed from data collected February 28, 2014 indicates flow to north and west. The measured gradient between MW-1 and MW-5 was approximately 0.0438.

Gaining conditions are indicated for the Little Lehigh Creek. This is consistent with published mapping.

6.2 April 16, 2014 Event

Groundwater samples were not collected during the April 16, 2014. A groundwater flow map constructed from data collected April 16, 2014 indicates flow to the north and west. The measured gradient between monitoring wells MW-1 and MW-5 was approximately 0.0435. Groundwater elevations were higher when compared to February 28, 2014. Gaining conditions are indicated for the Little Lehigh Creek.

6.3 May 5, 2014 Event

The groundwater samples were collected and identified using their well name. No separate phase liquid (SPL) was observed at any of the monitoring wells. Field screening using a PID indicated readings in the headspace of MW-1 (7.5 ppm), MW-2 (0.6 ppm), MW-3 (0.4 ppm), MW-4 (23.5 ppm), MW-5 (2.6 ppm), and MW-6 (53.8 ppm). The samples were submitted for laboratory analysis for VOCs, PCBs, BNAs, and Dissolved Metals.

With the exception of benzene (5.1 µg/L) and vinyl chloride (2.4 µg/L) at monitoring well MW-6, all analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential and residential MSCs. Low levels of VOCs are present below MSCs in upgradient monitoring well MW-1, in addition to downgradient monitoring wells MW-3, MW-4 and MW-5. Laboratory results are summarized in Table 3 in Appendix F.

A groundwater flow map constructed from data collected May 5, 2014 indicates flow to north and west. The measured gradient between monitoring wells MW-1 and MW-5 was approximately 0.0459. Groundwater elevations were higher when compared to February 28, 2014. Gaining conditions are indicated for the Little Lehigh Creek.

Based upon the laboratory results and the modeling results presented in Section 9.0 of this Report, there is no indication groundwater impacted above non-residential MSCs is leaving the Site.

7.0 SITE CONCEPTUAL MODEL

The following section presents the Site Conceptual Model (SCM) of the Former Allentown Metal Works Site. A conceptual model was developed based upon the laboratory analytical data collected to date, review of published information, and the completed remedial investigation. The SCM serves to assist in evaluating potential migration pathways. In accordance with the Act 2 TGM, the SCM includes site features, soils, surface water, geologic, hydrogeologic, and laboratory data. A Site Conceptual Model Cross Section is included as Figure 13 in Appendix A.

- The Site, consisting of approximately 19.2 acres, is comprised of two (2) tax parcels bounded by industrial and commercial properties, wooded land, the Little Lehigh Creek, and South Tenth Street;
- The Site is zoned for industrial use;
- There are eight (8) structures located on the property including the following: Office; Oil House; Power House; Main Plant (Machine Shop, Light Plate Shop, North Pit Assembly, South Pit Assembly, and Cooler Assembly/Receiving are housed in this building); Mack Building/Warehouse; Truck/Paint Shop; Maintenance Building; and Heavy Plate Shop;
- Currently, no buildings are in use. The Site has been vacant since August 2011;
- The Site is supplied by public water and sewer;
- The Site elevation ranges from approximately 280 feet above mean sea level (amsl) to 250 feet amsl and slopes toward the Little Lehigh Creek, which borders the Site to the north and west;
- Soils mapped in the vicinity of the site buildings consist primarily of Urban Land (UgC), derived from shale and siltstone complexes. Other soils throughout the Site are primarily silt loams. During completion of the investigation, fill material consisting of ash, rail bed materials, brick and other misc. materials were also identified. The western and northern portions of the Site are wooded, consisting of deciduous tree species. Areas within the western, northern, and southern part of the Site also contain “scrub” vegetation and grasses. The majority of the Site is not vegetated. Forested land is present east and west-southwest of the Site;
- No wetlands or sensitive receptors are located on-Site;
- The Site is underlain by the Allentown Formation (Cal), as determined by review of Map 61 of the Allentown East, Pennsylvania Quadrangle. According to the *Engineering Characteristics of the Rocks of Pennsylvania*, the Allentown Formation is comprised of a medium-gray dolomite and impure limestone. The median yield for groundwater wells

drilled in this Formation ranges from 60 to 210 gallons per minute (gpm). The *Engineering Characteristics of the Rocks of Pennsylvania* notes that this aquifer can be easily contaminated and turbidity is a common water problem;

- The Little Lehigh Creek is located just to the north of the Site and runs along the western and northern portion of the property boundaries. Gaining conditions are indicated for the Little Lehigh Creek. Jordan Creek is located approximately 0.50 miles east of the Site. The Lehigh River is located approximately 0.75 miles east of the Site. Trout Creek is located approximately 0.75 miles southeast of the Site. Cedar Creek is located approximately 1.25 miles west-southwest of the Site;
- USTs located on-Site contain free product;
- Numerous full and empty drums, and containers are located on-Site;
- Some interior pits and sumps contain liquids;
- Soil sampling indicated surface soils to be impacted above the non-residential MSC and the direct contact numeric value for lead at the former rail siding located west of North Pit Assembly area; base neutral compounds (benzo(a)pyrene, benzo(b)fluoranthene and dibenzo(a,h)anthracene) above non-residential MSCs and the direct contact numeric values north of the drum storage area located west of the South Pit Assembly area; volatile organic compounds (ethyl benzene, xylenes and naphthalene) and lead above non-residential MSCs at the drum storage area located west of the South Pit Assembly area; arsenic above the non-residential MSC at the drums storage area located beneath the elevated rail siding; and arsenic above the non-residential MSC and direct contact numeric value at the former rail siding located north of the Heavy Plate Shop;
- Petroleum odors were observed in soils located throughout the Site and especially north and west of the Machine Shop and North Pit Assembly area. However, soil sample results were below non-residential MSCs;
- Groundwater samples for downgradient monitoring well MW-6 indicated that benzene and vinyl chloride were present at levels slightly above Act 2 non-residential MSCs for groundwater. Low levels (below MSCs) of VOCs are present in upgradient monitoring well MW-1, in addition to downgradient monitoring wells MW-3, MW-4 and MW-5. No SPL was detected in any well and no sheens were observed on the surface of the Little Lehigh Creek; and
- The planned future use of the Site is for non-residential purposes.

Based upon completion of the SCM, the contaminants of concern in surface soil are lead, ethyl benzene, naphthalene, xylene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and arsenic. The areas located west of the North Pit and South Pit Assembly Areas that are impacted by lead, base neutral compounds and volatile organic compounds will be excavated. The area located north of the Heavy Plate Shop impacted by arsenic is limited in areal extent and is not considered to be a direct and imminent threat to human health or the environment. Also, this area will currently not affect the planned re-use of the Site.

Groundwater will not be used at the Site. However, benzene and vinyl chloride were detected above non-residential MSCs in downgradient monitoring well MW-6. These exceedances in groundwater were further evaluated by the installation of soil gas probes adjacent to the Mack Building, North Pit Assembly Area and Heavy Plate Shop, and the completion of fate and transport analysis (diffuse groundwater to surface water modeling) for the Little Lehigh Creek.

8.0 SOIL GAS INVESTIGATION

Based on communication with PADEP personnel, EarthRes incorporated a limited soil gas investigation in compliance with Section IV.A.4. (Vapor Intrusion) of the PA DEP Land Recycling Program TGM.

8.1 Installation of Soil Gas Probes

On May 5, 2014, EarthRes personnel directed the installation of three (3) soil gas probes. Geoprobe[®] technology was used to install the holes in which the stainless steel mesh sample probes (implants) were installed. All soil gas probes were installed to a depth of 4' bgs to avoid any perched water conditions. The screened interval consists of the bottom 0.5' within each soil gas probe. Polyethylene tubing was connected to the soil gas probe implant and extended to the ground surface, where it was capped and covered with a flush mount manhole. The probes were completed using sand around the mesh screen and hydrated bentonite to the ground surface. Probe locations are shown on Figure 7 in Appendix A.

Soil Gas Probe SG-1 was installed adjacent to the Heavy Plate Shop; SG-2 was installed adjacent to the Mack Building/Warehouse and former location of the 10,000-gallon UST; and SG-3 was installed adjacent to the North Pit Assembly Area and MW-6.

8.2 Soil Gas Sampling

The soil gas probes were purged for approximately two (2) minutes prior to sample collection, using a peristaltic pump connected to the sample tubing. Each probe was then connected to a Summa canister and the flow control valve was fully opened to allow soil gas sample collection. Once vacuum had ceased (approximately 60 seconds), the valve was closed. The samples were transmitted using standard chain-of-custody protocols to ALS located in Middletown, PA for analysis. The soil gas samples were analyzed for volatile organic compounds by EPA Method TO-15. Sample results were compared to the Pennsylvania Act 2 Non-Residential Indoor Air Quality Criteria (IAQ) and Odor Thresholds (Table 3) MSCs adjusted for a transfer factor of 0.01.

8.2.1 May 12, 2014 Sampling Event

EarthRes completed the initial soil gas sampling event on May 12, 2014. The ambient temperature was approximately 22° C with calm winds. Review of the laboratory results indicated numerous low-level detections of VOCs; however, none exceeded the applicable non-residential indoor air Act 2 MSC_{SG}. Laboratory results are summarized in Table 4 in Appendix F. The May 12, 2014 data was submitted to PADEP to determine if further investigation is warranted.

8.2.2 July 7, 2014 Sampling Event

Based upon recommendations provided by PADEP, EarthRes completed the second soil gas sampling event on July 7, 2014. The ambient temperature was approximately 29° C with calm winds. Review of the laboratory results indicated numerous low-level detections of VOCs; however, none exceeded the applicable non-residential indoor air Act 2 MSC_{SG}. Laboratory results are summarized in Table 5 in Appendix F.

9.0 FATE AND TRANSPORT ANALYSIS

An analysis was completed to evaluate potential benzene and vinyl chloride impacts to surface water from diffuse flow of contaminated groundwater. Benzene and vinyl chloride have been detected in groundwater at concentrations above the Act 2 non-residential groundwater MSC criteria in monitoring well, MW-6. Monitoring well MW-6 is located approximately 100 feet upgradient from the Little Lehigh Creek. The fate and transport analytical models SWLOAD and PENTOX were used to evaluate potential impacts to the Creek from the plume. The potential impacts are evaluated with respect to the most stringent surface water quality criteria as discussed below.

9.1 Background

Surface water impact analysis is required when the maximum concentration of a groundwater plume exceeds the established edge criteria for the any of the respective plume constituents. For benzene and vinyl chloride, the appropriate edge criteria are determined using Table IV-1 of the Act 2 Technical Guidance Manual (TGM), indicating criteria values of 5 ug/L and 2 ug/L, respectively. Surface water impacts are evaluated against the edge criteria using the maximum average concentration (MAC) of the plume. This concentration value depends on the age of the plume and whether the plume is expanding, at steady state, or contracting. For a constant source with a decaying contaminant, the maximum average concentration to the stream occurs when the plume has reached a steady-state condition. For an old plume without an active source such as occurring at the Site, a steady state, constant source is a conservative assumption. In reality, the lack of compound detections in other site monitoring wells and lack of detections in soils in the vicinity of monitoring well MW-6 suggests a residual source with a degrading plume, whereby potential plume concentrations at the Little Lehigh Creek would be decreasing over time. However, for the purpose of this conservative assessment, a steady state plume was assumed and steady state plume transport was modeled from monitoring well MW-6 to the Little Lehigh Creek to evaluate the maximum average concentration of the plume at the Creek. The groundwater fate and transport analysis was completed using the Quick-Domenico-based SWLOAD program, available from the PADEP. Also, site-specific parameters were used for the analysis.

9.2 Conceptual Model of Groundwater Flow

The Site characterization indicates the northern perimeter of the facility is underlain by approximately 20 feet of unconsolidated overburden which lies on top of weathered bedrock. The overburden consists of a mixture of silt, fine gravel and sand, and rail-bed fill. This mixture of material has been conceptualized as having a hydraulic conductivity of 1.5 feet per day, which is the geometric average for a mixture of gravel and silt. The monitoring wells, including MW-6, are screened and completed in the saturated overburden. Water level measurements indicate a depth to water of 5-9 feet, indicating a saturated overburden thickness of approximately 11-15 feet. The saturated overburden is conceptualized as a shallow groundwater system that discharges to the Little Lehigh Creek, with little or no percolation downward to the underlying bedrock. This conceptualization is based on the published groundwater mapping that indicates

the Creek receives upward discharge from the bedrock aquifer. The hydraulic gradient from MW-6 to the stream was calculated to be 0.023 based on data from the February 2014 sampling event.

9.3 SWLOAD

SWLOAD was used to model a hypothetical plume of benzene and vinyl chloride migrating downgradient from monitoring well MW-6 to Little Lehigh Creek. Characterization of the plume is based on two rounds of groundwater sampling data that have shown concentrations of benzene and vinyl chloride in excess of the non-residential MSC in monitoring well MW-6. For this report, SWLOAD was utilized in a screening-type application using available site-specific data and conservative model parameters to evaluate the need for additional modeling and/or data collection. SWLOAD calculates the plume concentration at the point of contact with the stream and indicates whether additional modeling of the stream impacts via PENTOX is required per the TGM. SWLOAD spreadsheets were completed for both benzene and vinyl chloride. The source and size of the hypothetical source zone was conservatively assumed to extend half the distance from monitoring well MW-6 to the nearest monitoring well on either side (a width of 400 feet), centered on monitoring MW-6. The plume was assumed to extend the entire thickness of the saturated overburden (15 feet). The source concentrations were set to the maximum found concentrations of benzene and vinyl chloride. Based upon the data, these assumptions all conservatively overestimate the found impacts. The model parameters utilized in the analysis are shown on Tables 5 and 6 in Appendix K and the spreadsheet results are included in Appendix K.

The SWLOAD results for benzene indicate the found concentrations are not impacting surface waters, and therefore PENTOX analysis for benzene is not required. The conservative modeling results were further assessed by increasing the hydraulic conductivity by an order of magnitude (from 1.5 feet per day to 11.5 feet per day) and also by decreasing the fraction of organic carbon by an order of magnitude (from 0.005 to 0.0005). Neither of these extreme adjustments resulted in benzene impacts to the stream, thereby indicating a high level of confidence in the results.

The SWLOAD results for vinyl chloride indicated the potential for diffuse groundwater impacts of vinyl chloride to the Creek. Therefore, additional surface water modeling utilizing PENTOX was completed as required by the TGM and discussed below.

9.4 PENTOXSD

PENTOXSD was used to evaluate potential vinyl chloride impacts to Little Lehigh Creek resulting from diffuse flow of contaminated groundwater from the Site, per the requirement of the TGM and the SWLOAD analysis. The SWLOAD analysis calculated the mass loading rate to the stream resulting from the diffuse groundwater discharge of a hypothetical vinyl chloride plume. PENTOXSD calculates the dilution and mixing of the contaminated plume with the stream water under low flow conditions and compares the modeled water quality with the appropriate water quality criteria, including the First Aquatic Life Use (FAL) and human health criteria published in Chapters 93 and 16. For vinyl chloride, the Human Health Cancer-Related (CRL) Surface Water Criteria is the most stringent criteria with a value of 0.025 ug/L.

The analysis was performed using two stream nodes, one located at the Site, (located at River Mile 1.90 of the Little Lehigh Creek), where the diffuse groundwater plume would be discharging and the other just prior to the confluence with the Jordan Creek (River Mile 0.8 of the Little Lehigh Creek). Low-flow stream statistics (Q7-10, Harmonic mean) for these points were obtained using the USGS Stream Stats Program. The defined watersheds and watershed flow sheets are included in Appendix K. Additional parameters for the analysis, including the channel slope, flow depth, etc. are included on Table 7 in Appendix K.

The background water quality of the Little Lehigh Creek was also assessed for incorporation in the analysis using readily available data. Water quality reports were obtained for the Allentown City, Bureau of Water Resources filtration plant, located at 1242 Martin Luther King Dr. Drive. The water intake is on the Little Lehigh Creek, 0.25 miles upgradient of the site. Water quality reports indicate no detections of either benzene or vinyl chloride in the treated water. Reports for untreated water were not available. The most applicable data obtained were samples from the Lehigh River, collected by the USGS for the National Water Quality Assessment (NAWQA) Program during 1999 – 2000. Water Quality data for the Lehigh Creek, sampled from the downgradient USGS station at Glendon, PA, indicate an average benzene concentration of 0.031 ug/L (calculated using ½ detection limit for non-detects). The Glendon gage is just south of Bethlehem City. There were no detections of vinyl chloride down to the laboratory detection limit of 0.11 ug/L. Based on the available data, no background concentration of vinyl chloride could be assigned.

PENTOXSD was run for several loading rates, reach widths and reach depths. The SWLOAD simulation for vinyl chloride indicated a loading rate of 6.74 mg/day to the stream, based on an average plume concentration of 3.5 ug/L and flux of 500 gallons per day. An additional PENTOXSD run was completed for a conservatively higher loading rate. The higher loading rate was determined using the maximum found concentration of 4.5 ug/L and a flux an order of magnitude greater than that indicated by the SWLOAD analysis. The low flow statistics of the receiving stream were held constant for all model runs. Table 8 summarizes the model runs and results of each simulation. The model output sheets are included in Appendix K.

In each of the model runs, PENTOXSD indicated the modeled plume concentration to be an acceptable effluent limit for the Site (see PENTOXSD Analysis Results, Recommended Effluent Limitations sheet for each model run). These results indicate the simulated plume is mixing and diluting and is not resulting in surface water impacts above the most stringent criteria of 0.025 ug/L. Even with an order of magnitude increase in the flux of the plume, the total loading is acceptable based on the PENTOXSD results.

9.5 Conclusion

The fate and transport analysis completed for the Site indicates the found concentrations of benzene and vinyl chloride in groundwater are not resulting in diffuse groundwater impacts to surface water. The conservative modeling assumptions and sensitivity analysis completed for the analysis demonstrate a high level of certainty for this conclusion. In addition, given the

hydrogeologic setting of the Site in a groundwater discharge zone, the shallow groundwater is constantly mixing with upwelling groundwater from the bedrock aquifer which would result in additional dilution of the plume prior to discharge to the stream. Based on the analysis, we conclude that the found concentrations of benzene and vinyl chloride in groundwater are not causing diffuse groundwater impacts to surface water.

10.0 EXPOSURE PATHWAY ASSESSMENT

Surfaces soil analytical results indicate the presence of lead, ethyl benzene, naphthalene, xylene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and arsenic above applicable non-residential MSCs. The areas impacted by lead, base neutral compounds and volatile organic compounds will be excavated. The area impacted by arsenic is limited in areal extent and is not considered to be a direct and imminent threat to human health or the environment. Also, this area will currently not affect the planned re-use of the Site. For soils, the remaining compounds were identified to be either below the laboratory minimum detection limit or present at concentrations below applicable non-residential MSCs.

Groundwater analytical results for monitoring well MW-6 indicate the presence of benzene and vinyl chloride above the non-residential MSCs. For groundwater, the remaining compounds were identified to be either below the laboratory minimum detection limit or present at concentrations below applicable non-residential MSCs.

An exposure pathway assessment was completed to identify the contaminants of concern, potential receptors, potential exposure pathways and routes of exposure. An exposure pathway is the route over which a chemical or physical agent migrates from a contaminant source to an exposed population or individual (receptor) and also describes a unique mechanism by which the receptor may be potentially exposed to chemicals or physical agents at or originating from the Site. The presented exposure pathway assessment used information obtained from the Site characterization to identify significant complete exposure pathways. A complete exposure pathway must contain the following four (4) elements:

- A source or release from a source (e.g., vapor emissions released from groundwater to air);
- A likely environmental migration route (e.g., within air/groundwater);
- An exposure point where receptors may come in contact with Site-related chemical or physical agents (e.g., local stream); and
- A route by which potential receptors may be exposed to a site-related chemical or physical agent (e.g., inhalation of vapors).

If any of the four (4) components is not applicable, the exposure pathway is considered incomplete and is not expected to contribute to the total exposure from the Site.

10.1 Groundwater Consumption Pathway

Groundwater consumption is a pathway of concern when humans use private or public wells dependent on groundwater at or in close vicinity to the Site. Exposure will occur as a result of ingestion, inhalation, and direct dermal contact with chemicals during domestic activities. The Site and area have been historically served by public water. Future development plans indicate that public water will continue to be used. Therefore, the groundwater consumption pathway is incomplete and does not require further evaluation.

10.2 Surface Water Pathway

The Little Lehigh Creek is located just to the north of the Site and runs along the western and northern portion of the property boundaries. Jordan Creek is located approximately 0.50 miles east of the Site. The Lehigh River is located approximately 0.75 miles east of the Site. Trout Creek is located approximately 0.75 miles southeast of the Site. Cedar Creek is located approximately 1.25 miles west-southwest of the Site. Based upon the completion of fate and transport analysis to determine potential impacts to surface water from diffuse flow of contaminated groundwater, there is no existing or future completed pathway to surface water at the Site. Therefore, the surface water pathway is incomplete and does not require further evaluation.

10.3 Direct Contact and Soil Ingestion Pathway

Direct contact numeric values were exceeded for lead, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and arsenic in soil. With the exception of the area impacted by arsenic, these areas will be excavated. Therefore, the direct contact and soil ingestion pathway does not require further evaluation.

10.4 Inhalation Pathway – Soil and Groundwater

Based upon the laboratory analytical results for the soil gas samples, numerous low-level detections of VOCs were indicated; however, none exceeded the applicable non-residential indoor air Act 2 MSC_{SG}. Therefore, the inhalation pathway from soil and groundwater is incomplete and does not require further evaluation.

10.5 Soil to Groundwater Pathway

Based upon the laboratory analytical results for groundwater that show levels of benzene and vinyl chloride above applicable MSCs, this pathway is considered to be complete. However, groundwater will not be utilized at the Site. Therefore, the soil to groundwater pathway does not require further evaluation.

10.6 Ecological Receptor Pathway

There are no sensitive receptors or wetlands located on-site. Also, based upon the fate and transport analysis, there is no existing or future completed pathway to surface water at the Site. Therefore, the ecological receptor pathway is incomplete and does not require further evaluation.

10.7 Pathway Summary

The direct contact and soil to groundwater pathways are completed at the Site. However, based upon completion of the investigation and planned cleanup activities, the pathways will be mitigated by excavation and groundwater will not be used at the Site.

11.0 SUMMARY AND CONCLUSIONS

The scope of work described in this Report is in accordance with the final provisions of the July 17, 1997 Pennsylvania Land Recycling and Environmental Remediation Standards Act, the November 24, 2001 revisions to Act 2 as published in the Pennsylvania Bulletin (Vol. 31, No. 47), and the June 2002 TGM. This Report has been prepared to obtain an eventual Act 2 site-specific release of liability for soils and groundwater at the Site.

The following areas were investigated as a part of the sampling activities completed during January, April, and July of 2014: APEC-01: Containers and Drums of Unknown Substances; APEC-02: Underground Storage Tanks (USTs); APEC-03: Miscellaneous Trash and Other Debris; APEC-04: Former Aboveground Storage Tank (AST); APEC-05: Transformers; APEC-06: Former Rail Sidings; APEC-07: Pits/Sumps; APEC-08: Historic Fill; and APEC-09: Groundwater. In addition, on May 5, 2014, three (3) soil gas probes were installed and soil gas samples were obtained May 12, 2014 and July 7, 2014.

The following is a summary of the site investigation and findings.

APEC-01: Containers and Drums of Unknown Substances

All analyzed parameters for soil, with the exception of ethylbenzene, total xylenes, naphthalene, benzo(a)pyrene, benzo(b)fluoranthene and dibenzo(a,h)anthracene, lead and arsenic were indicated to be either below the laboratory detection limits or non-residential MSCs.

For sample P58-A, lead (489 mg/kg) was detected above the non-residential MSC of 450 mg/kg. For sample P59-A, ethylbenzene (542 mg/kg) and lead (583 mg/kg) were detected above their respective non-residential MSCs of 70 mg/kg and 450 mg/kg. Total xylenes (2,578 mg/kg) were also detected above the non-residential MSC of 1,000 mg/kg as well as naphthalene (117 mg/kg) which was detected above the non-residential MSC of 25 mg/kg. For samples P60-A, lead (461 mg/kg) was detected above the MSC of 450 mg/kg. For sample P61-A, lead (452 mg/kg) was detected above the MSC of 450 mg/kg. For sample P63-A, arsenic (29.8 mg/kg) was detected above the MSC of 29 mg/kg. All remaining analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

For APEC-01: Containers and Drums of Unknown Substances, EarthRes concludes that no additional investigation activities are required at this time. The proposed cleanup plan for impacted soils, and the containers and drums of unknown substances is presented in Section 12.0.

APEC-02: Underground Storage Tanks (USTs)

All analyzed parameters for soil were indicated to be either below the laboratory detection limits or non-residential MSCs.

For APEC-02: Underground Storage Tanks (USTs), EarthRes concludes that no additional investigation activities are required at this time. The proposed cleanup plan for the underground storage tanks (USTs) is presented in Section 12.0.

APEC-03: Miscellaneous Trash and Other Debris

All analyzed parameters for soil were indicated to be either below laboratory detection limits or non-residential MSCs.

For APEC-03: Miscellaneous Trash and Other Debris, EarthRes concludes that no additional investigation activities are required at this time. The proposed cleanup plan for the miscellaneous trash and other debris is presented in Section 12.0.

APEC-04: Former Aboveground Storage Tank (AST)

All analyzed parameters for surface soil (0-2') were indicated to be either below the laboratory detection limits or non-residential MSCs.

For APEC-04: Aboveground Storage Tanks (ASTs), EarthRes concludes that no additional investigation activities are required at this time. The proposed cleanup plan for the aboveground storage tanks (ASTs) is presented in Section 12.0.

APEC-05: Transformers

All analyzed parameters for soil were indicated to be either below the laboratory detection limits or non-residential MSCs.

For APEC-05: Transformers, EarthRes concludes that no additional investigation activities are required at this time. The proposed cleanup plan for the transformers is presented in Section 12.0.

APEC-06: Former Rail Sidings

With the exception of total lead at P-6 (4,250 mg/kg) and the step-out samples P6-A (10,800 mg/kg), P6-B (3,220 mg/kg), P6-C (1,280 mg/kg) and P6-D (2,690 mg/kg), and arsenic at P50-A (207 mg/kg), all analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs.

For APEC-06: Former Rail Sidings, EarthRes concludes that no additional investigation activities are required at this time. The proposed cleanup plan for the former rail sidings is presented in Section 12.0.

APEC-07: Pits/Sumps

All analyzed parameters for soil were indicated to be either below the laboratory detection limits or non-residential MSCs.

For APEC-07: Various Pits and Sumps, EarthRes concludes that no additional investigation activities are required at this time. The proposed cleanup plan for the various pits and sumps is presented in Section 12.0.

APEC-08: Historic Fill

All analyzed parameters for soil were indicated to be either below the laboratory detection limits or non-residential MSCs.

For APEC-08: Historic Fill, EarthRes concludes that no additional investigation activities are required at this time.

APEC-09: Groundwater

Two separate groundwater sampling events occurred on February 28, 2014 and May 5, 2014. No separate phase liquid (SPL) was observed at any of the monitoring wells during both groundwater sampling events. With the exception of benzene and vinyl chloride at monitoring well MW-6, all analyzed parameters were indicated to be either below the laboratory detection limit or applicable non-residential MSCs. For monitoring well MW-6, benzene (6.0 µg/L) was indicated to be above the non-residential MSC of 5 µg/L as well as vinyl chloride (4.5 µg/L) which was indicated to be above the non-residential MSC of 2 µg/L.

For APEC-09: Groundwater, EarthRes concludes that no additional investigation activities are required at this time.

Pathway Summary

The direct contact and soil to groundwater pathways are completed at the Site. However, based upon completion of the investigation and planned cleanup activities, the pathways will be mitigated by excavation and groundwater will not be used at the Site. Therefore, Site-Specific Standards will be used for both soil and groundwater.

12.0 CLEANUP PLAN & REMEDIAL ALTERNATIVES ANALYSIS

This Cleanup Plan & Remedial Alternatives Analysis (the Cleanup Plan) has been prepared by EarthRes on behalf of the Lehigh Valley Economic Development Corporation (LVEDC) and the Allentown Economic Development Corporation (AEDC) as Agent for the Allentown Commercial and Industrial Development Authority (ACIDA). The Cleanup Plan has been prepared to satisfy the United States Environmental Protection Agency (USEPA) requirements regarding the use of Revolving Loan Funds to remediate the former Allentown Metal Works (the Site) located at 606 South Tenth Street in the City of Allentown, Lehigh County, Pennsylvania.

This Cleanup Plan presents a brief history of the Site, a description of the current Site status, and a proposed approach for cleanup of the Site. The Cleanup Plan also includes a Remedial Alternatives Analysis to demonstrate why the proposed Cleanup Plan is considered the best remedial alternative option for the Site. The information presented in this Cleanup Plan is based on information obtained during a Phase I Environmental Site Assessment (Phase I ESA) of the Site completed by EarthRes in March 2013 and, a Baseline Remedial Investigation (BRI) completed by EarthRes between December 2013 and July 2014.

The Site is currently owned by the Allentown Commercial & Industrial Development Authority (ACIDA). Future use of the Site is unspecified at this time; however, ACIDA would like to redevelop or sell the Site for non-residential redevelopment. To date, private interest in redeveloping the Site has been limited by the prohibitive cost of completing cleanup activities and concerns about environmental conditions.

12.1 Site Background

The former Allentown Metal Works (the Site) is located at 606 South Tenth Street in the City of Allentown, Lehigh County, Pennsylvania. The subject property consists of two (2) parcels encompassing approximately 19.2 acres in size, and is identified by the Lehigh County Assessment Office as Parcel 549697391312 (1.7 acres of undeveloped land) and Parcel 549697354907 (17.54 acres includes all Site buildings). The Site is currently not in use and has been vacant since approximately August 2011. The Site elevation ranges from approximately 280 feet above mean sea level (amsl) to 250 feet amsl and slopes toward the Little Lehigh Creek, which borders the Site to the north and west. The Site location and topography are shown on the Site Location Map (USGS 7.5 Minute Quadrangle Map of Allentown East, PA), included in Appendix A as Figure 1. The area is underlain by the Allentown Formation, as determined by review of Map 61 of the Allentown East, Pennsylvania Quadrangle. According to the *Engineering Characteristics of the Rocks of Pennsylvania*, the Allentown Formation is comprised of a medium-gray dolomite and impure limestone.

The Site currently contains eight (8) structures, consisting of the following: Office; Oil House; Power House; Main Plant (Machine Shop, Light Plate Shop, North Pit Assembly, South Pit Assembly, and Cooler Assembly/Receiving are housed in this building); Mack

Building/Warehouse; Truck/Paint Shop; Maintenance Building; and Heavy Plate Shop. The location of each building on the Site is indicated on Figure 2 in Appendix A. The southwestern corner of the Site is wooded, including the strip of land located along the Little Lehigh Creek. The area around the Site buildings is asphalt paved and/or gravel covered. Former rail sidings are located within the western and northern portions of the Site. An elevated rail siding is located north of the Heavy Plate Shop and Power House. Locked entrance gates and fencing are located along the eastern perimeter and fencing is located along the southern perimeter of the Site. The Little Lehigh Creek borders the Site to the north and west.

The area surrounding the Site contains industrial and residential properties. An industrial property is located adjacent to the south of the Site. Residential properties are located south of the industrial site. The Little Lehigh Creek borders the Site to the north and west. A municipal park is located north of Little Lehigh Creek. South Tenth Street borders the Site to the east, with the Bridgeworks Industrial Center located east of the road. The Allentown Water Resources facility is located west of the Little Lehigh Creek, west of the Site.

Based upon review of available historical information, the Site was used industrially as early as 1902. This is based upon information obtained through review of regional newspaper articles regarding the facility, historical aerial photographs, historical topographic maps, and Sanborn[®] Fire Insurance Maps for the Site. The 1893 USGS Topographic Map and the 1897 Sanborn[®] Fire Insurance Map show the Site to not contain any structures. A newspaper article from 2008 in *The Morning Call* indicated the Traylor Engineering and Manufacturing Company opened their facility at the current Site location in 1902. The 1911 Sanborn[®] Fire Insurance Map indicates the majority of the current Site to be owned by Traylor Engineering and Manufacturing Company, with the area of the current Mack Building/Warehouse indicated to be owned by Mack Brothers Motor Company. Buildings are indicated on the 1939 Aerial Photograph and the 1947 USGS Topographic Map. Information prior to 1893 was not reasonably ascertainable.

The Site has been vacant since approximately August 2011. ACIDA purchased the property from 600 South Tenth Street Holding Company LLC of New York, New York during April of 2013. In addition, the Site is located within the City of Allentown's Enterprise Zone and a Pennsylvania Keystone Opportunity Expansion Zone (KOEZ).

As previously described, a Phase I ESA was completed for the Site in March 2013. The findings of the Phase I ESA included the following Areas of Potential Environmental Concern:

- Various containers and drums of unknown substances, petroleum-based products, paints, and solvents were identified around the exterior of the site buildings, as well as within the site buildings;
- The integrity of the existing 1,000-gallon, 6,000-gallon, and 30,000-gallon USTs;
- A historic release in association with the former 10,000-gallon UST at the Site;
- Miscellaneous trash, office furniture, and other debris were observed around the exterior of the site buildings, as well as within the site buildings;

- Aboveground storage tanks (ASTs) located along the western exterior of the South Pit Assembly area, north of the Oven. The secondary containment contained what appeared to be Fuel Oil No. 2 at the time of site reconnaissance. The AST was no longer present. Two ASTs were observed under the elevated rail in the North Pit Assembly area. The Mezzanine contained one (1) approximate 275-gallon AST;
- Three (3) transformers were observed along the southern exterior wall of the Power House, within a fenced area. The top of one (1) transformer was open at the time of site reconnaissance, and dielectric fluid and water were observed within the transformer. The eastern-most room of the Power House contained two (2) open transformers filled with dielectric fluid. Tags on the exterior of the transformers indicated the dielectric fluid have been tested for polychlorinated biphenyl (PCB) content and found to contain less than 50 parts per million (ppm) PCB;
- An elevated rail siding is located north of the Heavy Plate Shop and Power House. The historic use of the rail is unknown, but may have been used to transport materials, including various oils, to the facility;
- Open pits and sumps located within the interior of the Site buildings. Some pits contained oil, water and trash;
- Rail sidings within the western and northern portions of the Site. Foundry waste may have been historically generated and used as fill throughout the Site;
- Surface spills to earthen floors;
- Utility tunnels filled with trash and debris; and
- Based upon the historical use of the Site and adjacent properties for industrial purposes, impacts to groundwater may be present.

During June of 2013, a Work Plan for BRI was prepared by EarthRes on behalf of LVEDC, AEDC and ACIDA in accordance with the requirements for a Work Plan for Baseline Remedial Investigation for Special Industrial Areas (SIA) pursuant to the Pennsylvania Department of Environmental Protection (PADEP) Land Recycling Program (Act 2) Technical Guidance Manual, dated June 8, 2002. The Work Plan was submitted to USEPA and PADEP on June 25, 2013. Subsequently, comments were received from PADEP on August 5, 2013, and USEPA on November 19, 2013 and December 4, 2013. A revised Work Plan was submitted to both agencies on December 24, 2013. PADEP approved the revised Work Plan on January 23, 2014. The BRI was completed by EarthRes between December 2013 and July 2014.

Three (3) APECs identified in the Phase I ESA (Sumps/Pits, Surface Spills to Former Earthen Floors and Utility Tunnels) were not directly investigated during completion of the BRI. Rather, sampling was conducted along the exterior of the buildings through the collection of surficial soil samples, subsurface soil samples and groundwater samples. The former earthen floors are now covered by concrete floors that will not be removed as part of building renovation activities. The utility tunnels are confined spaces that contain miscellaneous trash and asbestos-containing materials and would not be considered to pose immediate, direct or imminent threats to human health and the environment. However, should building renovation plans change or if contamination is suspected, EarthRes recommends that these APECs be directly investigated.

12.2 Cleanup Plan for the Allentown Metal Works Site

The following steps are proposed for cleanup of the former Allentown Metal Works:

- Removal of Drums and Containers;
- Clean Pits and Sumps;
- Removal of Transformers;
- Removal of Underground Storage Tanks;
- Removal of Aboveground Storage Tanks;
- Removal of Surface Soils impacted by:
 - Lead
 - Volatile Organic Compounds and Lead (Paint Waste or Solvents)
 - Base Neutral Compounds
- Removing Miscellaneous Trash and Debris;
- Securing the Site to Prevent Future Accumulation of Waste;
- Abatement of Lead-Based Paint/Asbestos-Containing Materials/Demolition of Select Buildings; and
- Possible Selective Demolition of Functionally Obsolete Structures.

Each of these cleanup steps is detailed below. Cleanup areas are depicted on Figure 14 in Appendix A. Section 12.3 indicates how the cleanup will be conducted to utilize as much of the available funding as possible while still securing the Site. A final remediation action closure report will be prepared documenting all cleanup actions.

12.2.1 Removal of Drums & Containers

During completion of the Phase I ESA, various containers and drums of unknown substances, petroleum-based products, paints, and solvents were identified around the exterior of the Site buildings, as well as within the Site buildings. EarthRes recommended characterization of the container/drum contents and removal of the containers/drums for proper off-site disposal or recycling. During December of 2013, the drums and containers were characterized by Capitol Environmental Services. Approximately 130 drums and 170 containers were characterized in the field and primarily contained the following general substances: unused oil, used hydraulic oil, used cutting oil, paint waste, solvents, oil-soaked grit and blasting grit. Small quantities of acid were also noted. A list of the drums and containers is located in Appendix J. The drums and containers will be removed from the Site for proper disposal or recycling in accordance with applicable regulations. Potentially impacted soil may be remediated by excavation or pathway elimination. Documentation of proper disposal or recycling of the drums and containers (i.e. manifests or bills of lading) will be provided at the completion of the project.

12.2.2 Clean Pits & Sumps

During completion of the Phase I ESA, the following pits and sumps were observed:

- An open-below-outside grade pit was observed along the western interior wall of the fourth room of the Power House. The pit was noted to contain water, oil, and miscellaneous debris.
- Four (4) open-above-outside grade pit areas were observed within the floor of the Machine Shop. Miscellaneous debris was observed within the pits, including fire extinguishers, trash, and spray paint cans.
- There are seven (7) below-outside-grade sumps/pits within the North Pit Assembly area of varying sizes. Each was observed to contain varying amounts of debris, trash, spray paint cans, oil and water. Two (2) of the sumps were observed to contain oil in excess of four (4) feet deep. The two (2) large, irregularly-shaped open pits also contained oil and oily residue.
- One (1) below-outside-grade floor sump, approximately three (3) feet wide and three (3) feet long with unknown depth, was observed within the Paint/Truck Shop. Due to poor access along the north side of the building, this sump is currently not available for sampling; however, EarthRes recommended soil sampling be completed once building development plans have been prepared.
- Three (3) open, below-outside-grade pits were observed within the Heavy Plate Shop. One (1) pit was observed to contain water, electric wiring, and miscellaneous trash. The second pit was observed to contain miscellaneous trash. The third pit contained oil, oily residue, water, and miscellaneous trash at the time of site reconnaissance.

The liquids and other materials located in each pit will be characterized, removed and properly disposed or recycled in accordance with applicable regulations. Afterwards, the pits and sumps will be cleaned using a power washer. All captured liquids and solids will be properly disposed or recycled in accordance with applicable regulations. Documentation of proper disposal or recycling of any waste materials (i.e. manifests or bills of lading) will be provided at the completion of the project.

12.2.3 Removal of Transformers

Three (3) transformers were observed along the southern exterior wall of the Power House, within a fenced area. The top of one (1) transformer was open at the time of site reconnaissance for the Phase I ESA, and dielectric fluid and water were observed within the transformer. Soil samples completed during the BRI from beneath the transformers did not indicate the presence of PCB above applicable Act 2 Medium Specific Concentrations (MSCs) for Soils. The eastern-most room of the Power House contained two (2) open transformers filled with dielectric fluid. Tags on the exterior of the transformers indicated the dielectric fluid had been tested for PCB content and found to contain less than 50 parts per million (ppm) PCB. The transformers will be addressed by first characterizing the transformers, then sending them for proper disposal or recycling in accordance with applicable regulations. Potentially impacted soil may be remediated

by excavation or pathway elimination. Documentation of proper disposal or recycling of the transformers (i.e. manifests or bills of lading) will be provided at the completion of the project.

12.2.4 Removal of Underground Storage Tanks

The locations of the 1,000-gallon, 6,000-gallon, and 30,000-gallon USTs were identified during completion of the Phase I ESA. The integrity of the USTs and piping, and whether they contain any product had not been determined. However, Hafer Petroleum completed a site inspection on January 12, 2014 and obtained the following preliminary information regarding the USTs:

- 1,000 gallon UST contains 3” of water and 16” of free product (waste or heavy oil); approximately 64” in diameter and 6' long, constructed of steel with a burial depth of approximately 16”;
- 6,000 gallon UST contains 0” of water and 25” of free product (No. 2 Fuel Oil); approximately 8' in diameter and 16' long, covered by concrete pad, constructed of steel with a burial depth of approximately 25”;
- 30,000 gallon UST contains 4” of water and 20.5” of free product (No. 2 Fuel Oil); approximately 10' in diameter and 48' long, constructed of steel with a burial depth of approximately 5'.

The USTs will be cleaned and removed in accordance with applicable regulations. Potentially impacted soil may be remediated either by using pathway elimination and, or excavation. Backfill will consist of clean, modified stone. All captured liquids and solids will be properly disposed or recycled in accordance with applicable regulations while the cleaned, steel USTs will be recycled. Documentation of proper disposal or recycling of any waste materials (i.e. manifests or bills of lading) will be provided at the completion of the project.

12.2.5 Removal of Aboveground Storage Tanks

During completion of the Phase I ESA, a covered former AST area was observed along the western exterior of the South Pit Assembly area, north of the Oven. The secondary containment contained what appeared to be Fuel Oil No. 2 at the time of site reconnaissance. The AST was no longer present. Two (2) empty ASTs were observed under the elevated rail in the North Pit Assembly area. Each AST has an approximate capacity of 275 gallons. The Mezzanine contained one (1), empty 275-gallon AST.

The ASTs will be cleaned and removed in accordance with applicable regulations. All captured liquids and solids will be properly disposed or recycled in accordance with applicable regulations while the cleaned, steel ASTs will be recycled. Documentation of proper disposal or recycling of any waste materials (i.e. manifests or bills of lading) will be provided at the completion of the project.

12.2.6 Removal of Surface Soils

During completion of the BRI, three (3) areas of impacted surface soil were found that could affect the immediate re-use of the Site. The first area is located adjacent to the North Pit Assembly area (see Figure 14 in Appendix A). This area is impacted by lead above the Act 2 surface soil (0-2') direct contact numeric value of 1,000 mg/kg and encompasses an area approximately 20' x 20'. Once horizontal delineation has been completed, these soils will be excavated to an approximate depth of 2' to mitigate the direct contact pathway. Backfill will consist of clean, modified stone.

The second area is located adjacent to the South Pit Assembly exterior drum storage area (see Figure 14 in Attachment A). This area is impacted by aromatic volatile organic compounds, naphthalene and lead above applicable Act 2 non-residential MSCs and encompasses an area approximately 20' x 20'. Once horizontal delineation has been completed, these soils will be excavated to an approximate depth of 2' to mitigate the direct contact pathway. Backfill will consist of clean, modified stone.

The third area is located north of South Pit Assembly exterior drum storage area (see Figure 14 in Attachment A). This area is impacted by base neutral compounds (benzo{a}pyrene, benzo{b}fluoranthene and dibenzo{a,h}anthracene) above applicable Act 2 non-residential MSCs and direct contact numeric values and encompasses an area approximately 20' x 20'. Once horizontal delineation has been completed, these soils will be excavated to an approximate depth of 2' to mitigate the direct contact pathway. Backfill will consist of clean, modified stone.

Documentation of proper disposal or recycling of any waste materials (i.e. manifests or bills of lading) will be provided at the completion of the project.

12.2.7 Removal of Miscellaneous Trash and Debris

During completion of the Phase I ESA and subsequent investigation activities, miscellaneous trash, office furniture, and other debris were observed along the northern exterior of the Oil House. The materials looked to be recently burned. One (1) municipal waste dumpster was observed south of the Oil House. The dumpster was observed to be filled with trash at the time of site reconnaissance. Approximately thirty (30) wooden pallets, trash, oil-soaked leather work gloves, and a burn barrel were observed in the area south-southwest of the southwestern corner of the Heavy Plate Shop. Trash and tires were observed near the northwestern exterior corner of the Main Plant. The building interiors also contain large quantities of trash and debris. Municipal, residual and/or universal waste will be removed and properly disposed or recycled in accordance with applicable regulations. Documentation of proper disposal or recycling of the waste materials (i.e. manifests or bills of lading) will be provided at the completion of the project.

12.2.8 Securing the Site

After the cleanup has been completed, the Site will be secured to prevent the future accumulation of waste. The security measures will be more robust than those currently in place, and will be designed to prevent trespassers from entering the Site. The Site perimeter will remain fenced, and the accessible doorways, windows, and openings of the buildings will be covered with boards or other barriers secured in a way that discourages casual or rapid entry.

12.2.9 Abatement of Lead-Based Paint/Asbestos-Containing Materials/Demolition of Select Buildings

Based on the age of the buildings, lead-based paint (LBP) was suspected to be present. Therefore, a LBP survey was completed for the Site. Although the presence of LBP may not pose an immediate threat to human health and the environment in their current condition, abatement may be required based upon future building renovation and demolition plans. Abatement of any LBP will be conducted by a properly licensed LBP abatement contractor in accordance with applicable local, state and federal regulations. Documentation of proper disposal of the LBP (i.e. manifests) will be provided at the completion of the project.

According to the files reviewed during completion of the Phase I ESA, asbestos-containing material (ACM) removal activities (primarily thermal system insulation {TSI}) were completed at the Site in 2001 and 2002. The ACM removal activities took place within the basement and first floor parts storage area of the Main Plant, the facility work areas, Machine Shop/Storage Area, Heavy Plate Shop, vestibule of Light Plate Shop, and Light Plate Shop. Currently, the majority of potential ACMs observed at the Site are non-friable such as roofing material and transite panels. However, suspected friable ACMs were observed in the utility tunnel and Power House. An asbestos survey has been completed for the Site to identify ACMs. Abatement of any ACM will be conducted by a properly licensed asbestos abatement contractor in accordance with applicable local, state and federal regulations. Documentation of proper disposal of the ACMs (i.e. manifests) will be provided at the completion of the project.

The future demolition of select Site buildings and structures may be required to facilitate LBP, ACM and UST cleanup activities.

12.2.10 Possible Selective Demolition of Functionally Obsolete Structures

Possible selective demolition of functionally obsolete structures may be completed at the Site to facilitate future site development activities.

12.2.11 Schedule

The cost estimate to perform a complete cleanup is approximately \$750,000 which is based on very conservative estimates of waste volumes, completion of planned cleanup activities, building demolition costs, ACM abatement and LBP abatement. The available budget to complete the cleanup is approximately \$312,800. The cleanup work will be sent out for competitive public bid, and the actual cost to clean up the site is expected to be lower than the estimate. How much lower the winning bid will be is difficult to estimate due to the expansive scope of work, the number of unknowns involved with the waste removal, and the state of the economy (which will affect how competitive the bids are).

To reconcile the difference between the estimate cost to complete the cleanup and the actual funds available, EarthRes proposes a phased approach to the cleanup. This approach will maximize use of the available funds while ensuring that the areas of the Site that have been cleaned up are also secured. EarthRes reviewed this approach with ACIDA personnel and all parties agreed that the best approach would be to first complete the cleanup of areas deemed to pose an immediate threat to human and health and the environment consistent with the PADEP Act 2 Special Industrial Area designation. The phased approach would proceed as follows:

- Perform complete cleanup as discussed in Sections 12.2.1 through 12.2.7 (**ESTIMATED COST: \$268,000**);
- If funding permits, proceed with the cleanup as discussed in Sections 12.2.8, 12.2.9 and 12.2.10 (**ESTIMATED COST: \$482,000 or To Be Determined**)

The sequence was selected based on its ability to satisfy two main criteria:

- Cleanup of areas deemed to pose an immediate threat to human and health and the environment (based on both presence of potentially hazardous materials and predicted exposure levels); and
- Prioritizing cleanup in areas that are most likely to be redeveloped or sold.

The criteria are meant to be protective of human health and the environment to the greatest extent possible utilizing the funds available.

12.3 Remedial Alternatives Analysis

The Cleanup Plan presented in Section C was prepared after consideration of various remedial alternatives had been completed. The three (3) remedial alternatives considered were: 1) no action; 2) remediation of threats deemed to pose immediate, direct or imminent threats to human health and the environment; 3) remediation of threats deemed to pose immediate, direct or imminent threats to human health, secure the site, the environment and abatement of building materials that may require demolition and demolition of functionally obsolete structures. The cost estimate for each alternative was based on budgetary numbers provided by waste

transportation and disposal contractor and on Earthres' familiarity with similar projects recently completed in the region. An evaluation of the remedial alternatives indicated that remediation of threats deemed to pose immediate, direct or imminent threats to human health and the environment (Alternative 2) provided the best balance of financial feasibility, safety, and timeliness.

12.3.1 Alternative 1: No Action

Leaving the Site in its current condition poses a threat to the environment and to human health. The Site contains several hazardous and potentially hazardous conditions including the presence drums and containers, liquid-filled sumps and pits, transformers, ASTs and USTs, etc. The "No Action" alternative was rejected based on its failure to remedy existing and potential environmental conditions at the Site.

12.3.2 Alternative 2: Remediation of Threats Deemed to Pose Immediate, Direct or Imminent Threats to Human Health and the Environment

The completion of Tasks 12.2.1 through 12.2.7 will accomplish of the goal of remediating threats deemed to pose immediate, direct or imminent threats to human health and the environment. This alternative addresses the threats posed by the presence of drums and containers, sumps and pits, ASTs, USTs, trash and debris, transformers and impacted surface soils. This alternative is considered protective of human health and the environment, while being feasible within the time and budgetary constraints of the project. This alternative was selected as the most effective cleanup plan for the Site at this time. **ESTIMATED COST: \$268,000**

12.3.3 Alternative 3: Remediation of Threats Deemed to Pose Immediate, Direct or Imminent Threats to Human Health and the Environment, Secure the Site, Abatement of Building Materials that may require Demolition and Possible Demolition of Functionally Obsolete Structures

Securing the buildings and the abatement of hazardous or potentially hazardous building materials such as lead -based paint and ACM, performed in addition to remediation of threats deemed to pose immediate, direct or imminent threats to human health and the environment, would provide an additional measure of protection for human health and the environment. However, the abatement of building materials can be better evaluated and managed once the final reuse of the Site is established. Also, demolition of site buildings may be required to facilitate these abatement activities including the removal of the 30,000-gallon UST and, or demolition may be required to remove functionally obsolete structures. The completion of the previously described remediation activities, abatement of building materials and, demolition activities (Tasks 12.2.8 through 12.2.10) are premature at this stage of redevelopment and were therefore rejected as a remedial alternative. **ESTIMATED COST: \$482,000 or To Be Determined**

13.0 SIGNATURES

The following are those who participated in the remediation who are seeking relief from liability:

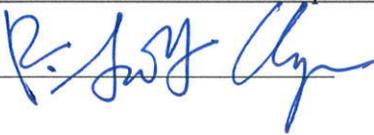
Name/Title: R. Scott Unger, Executive Director

Site Owner: Allentown Commercial and Industrial Development Authority

Signature: 

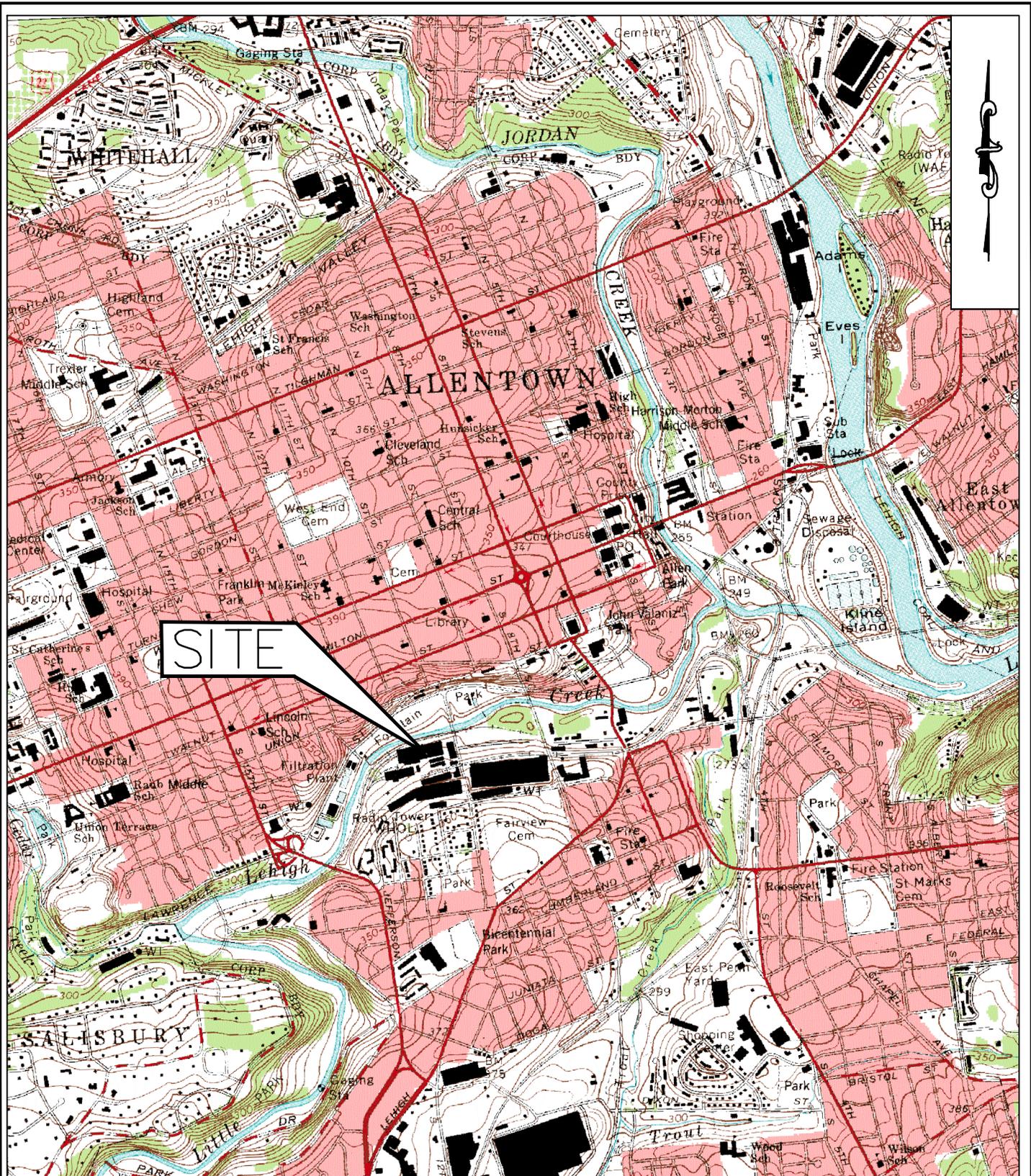
Name/Title: R. Scott Unger, Executive Director

Agent: Allentown Economic Development Corporation

Signature: 

APPENDIX A

Figures



SOURCE: USGS 7.5 MINUTE QUADRANGLE - ALLENTOWN EAST, PA



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DRAWN BY: <i>JJB</i>	CHECKED BY: <i>JMO</i>
DATE: 5/23/2013	PROJECT NO: 111002.001
DRAWING SCALE: 1" = 2000'	

FIGURE 1
SITE LOCATION MAP

BASELINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA



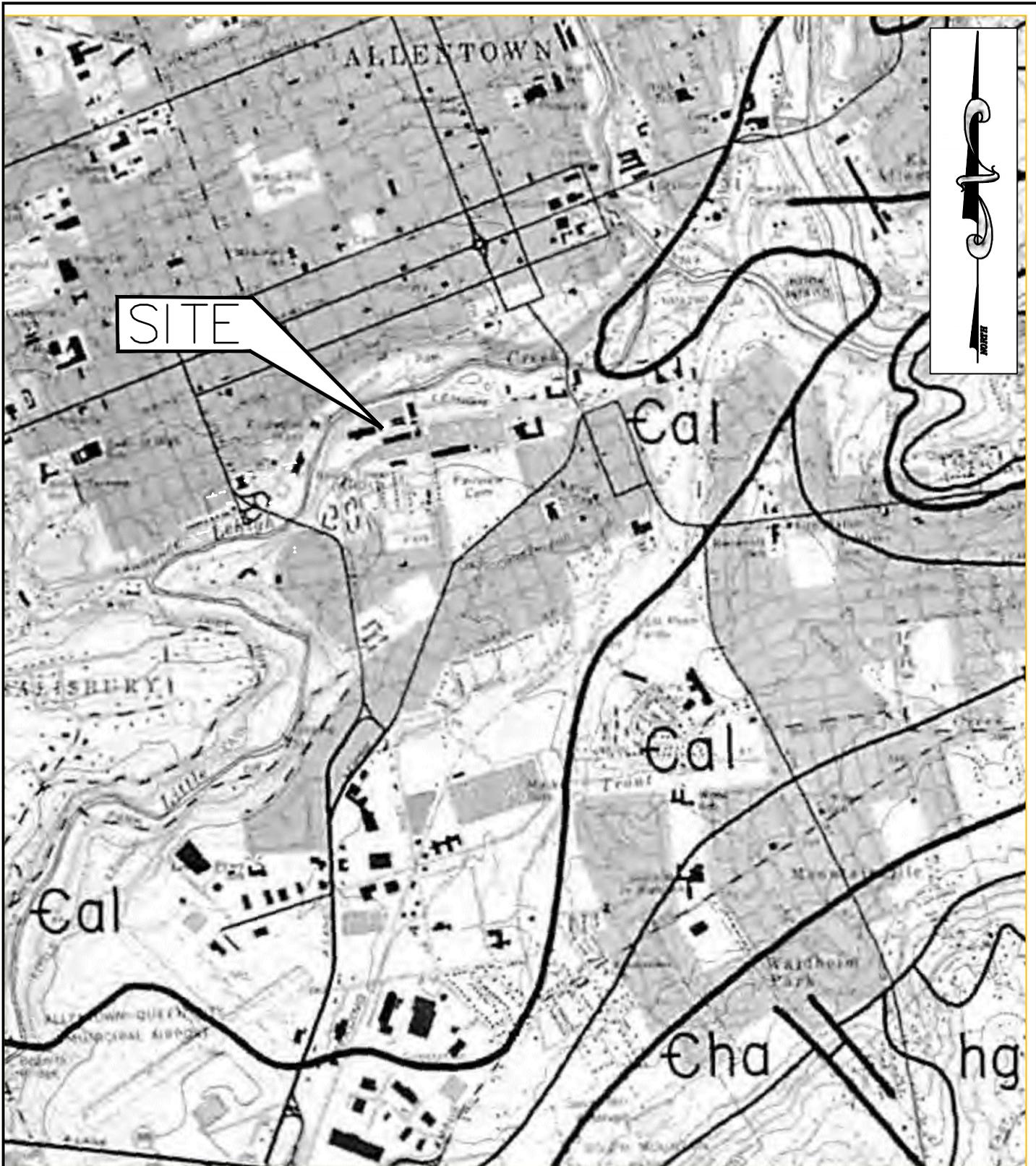
FIGURE 2
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
600 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

CHECKED BY:	SRC
DRAWN BY:	RCC
PROJECT NO:	111002.001
DATE:	05/02/14
DRAWING SCALE:	1" = 150'

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Cal = ALLENTOWN FORMATION

SOURCE: USGS 7.5 MINUTE QUADRANGLE - MAP 61, ALLENTOWN EAST



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DRAWN BY:
JJB

CHECKED BY:
SRC

DATE:
2/12/2014

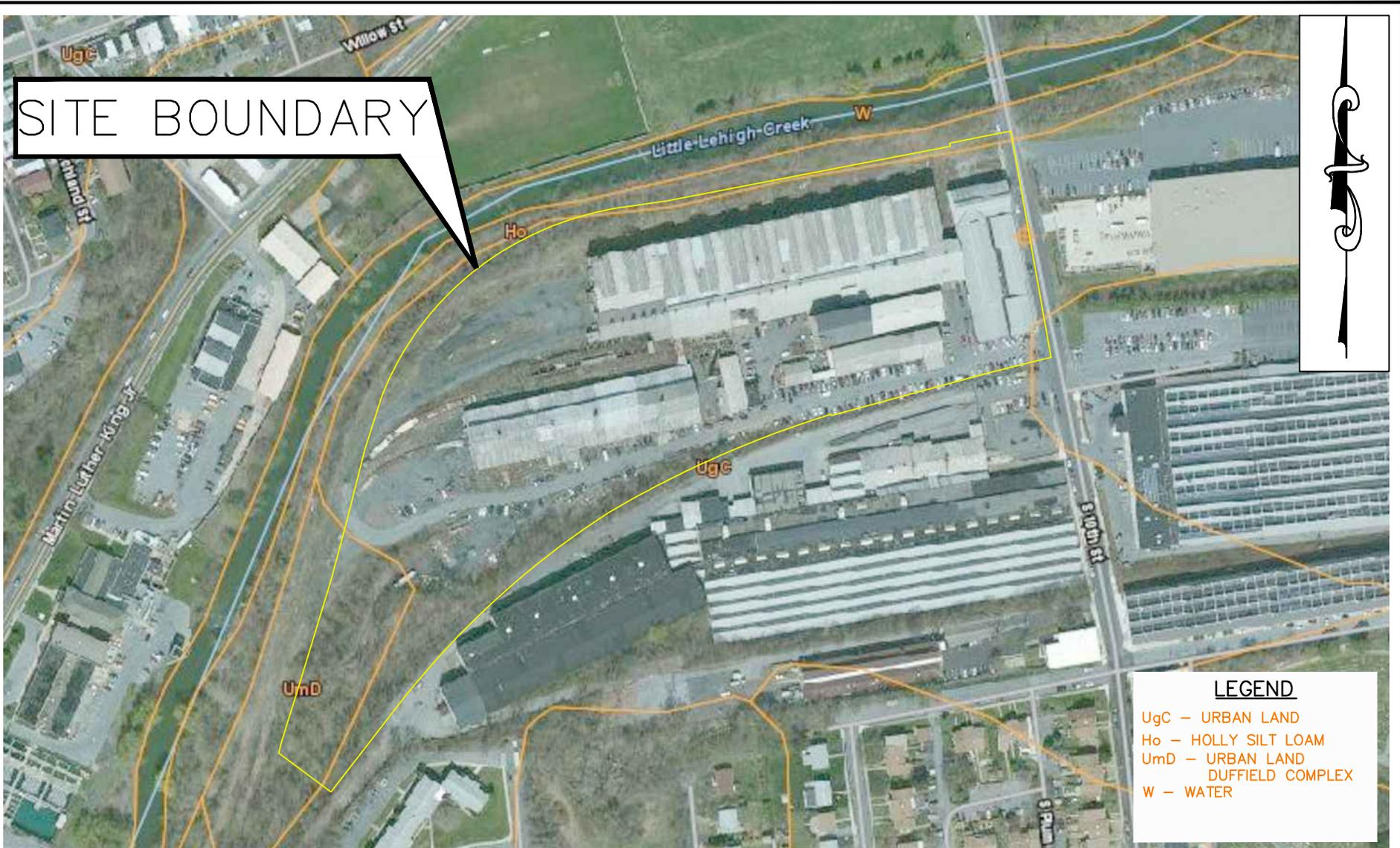
PROJECT NO:
111002.001

DRAWING SCALE:
1"=2000'



FIGURE 3 SITE GEOLOGY MAP

BASELINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA



LEGEND

- UgC – URBAN LAND
- Ho – HOLLY SILT LOAM
- UmD – URBAN LAND
DUFFIELD COMPLEX
- W – WATER

SOURCE: USDA NRCS WEB SOIL SURVEY



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SRC

DATE:
05/07/14

PROJECT NO:
111002.001

DRAWING SCALE:
NOT TO SCALE



FIGURE 4
SITE SOILS MAP

BASELINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PENNSYLVANIA

SOURCE: U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY

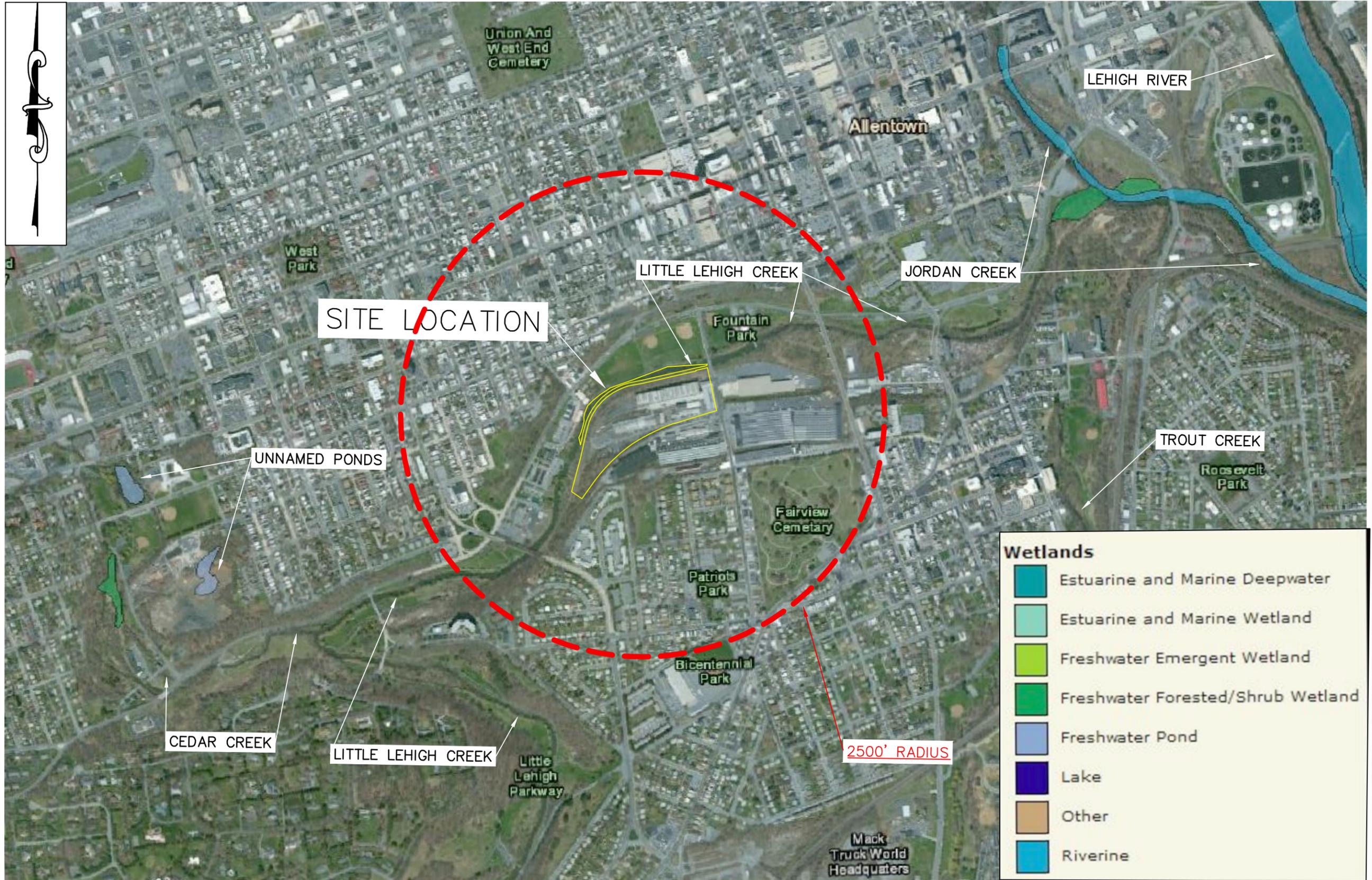


FIGURE 5
WETLANDS FEATURES MAP

BASELINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

DRAWN BY: JJB	CHECKED BY: SFC
DATE: 5/15/14	PROJECT NO.: 111002.001
DRAWING SCALE: 1" = 1000'	

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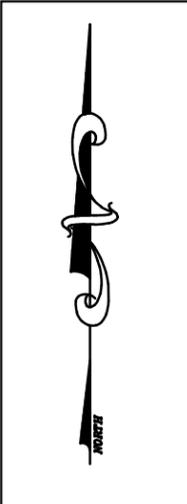


FIGURE 6
SITE & VICINITY FEATURES

FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

DRAWN BY: RCC	CHECKED BY: SRC	PROJECT NO.: 111002.001	DRAWING SCALE: 1" = 200'
DATE: 5/20/14			

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FIGURE 7
APPROXIMATE SAMPLING LOCATIONS

BASILINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

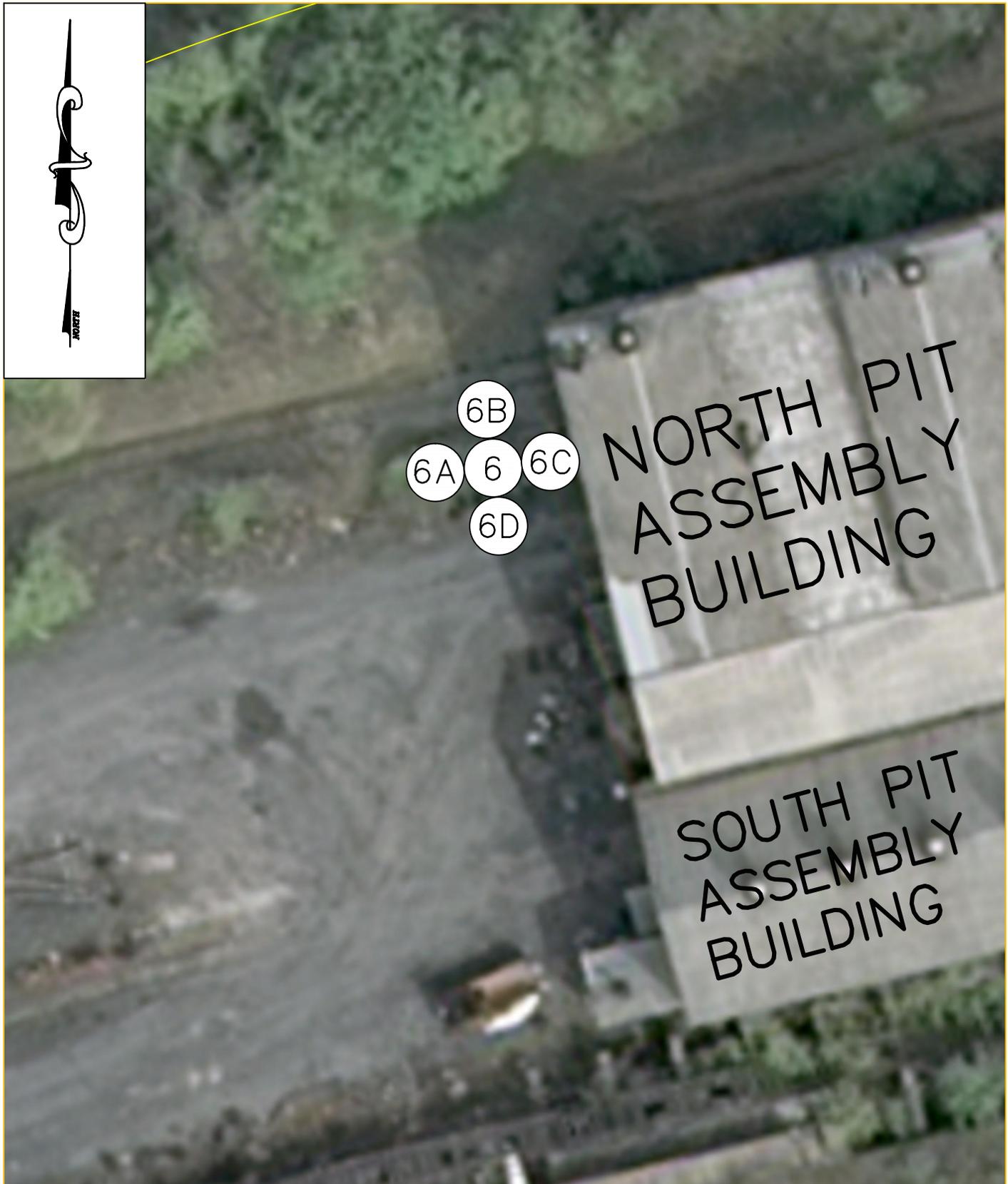
CHECKED BY:	SRC
DRAWN BY:	JUB
DATE:	2/11/2014
PROJECT NO:	111002.001
DRAWING SCALE:	1" = 150'

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LEGEND

①	SOIL SAMPLE LOCATION
⊕	MONITORING WELL LOCATION
△	SURFACE WATER MONITORING POINT
G	SOIL GAS PROBE LOCATION



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CHECKED BY: *SRC*

DATE: *5/15/14*
PROJECT NO: *111002.001*

DRAWING SCALE:
1" = 30'

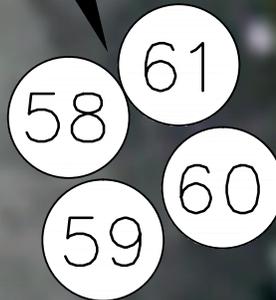
FIGURE 8
APEC 06: (FMR. RAIL SIDINGS) SAMPLING LOCATIONS

BASELINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA



NORTH PIT
ASSEMBLY
BUILDING

DRUMS



SOUTH PIT
ASSEMBLY
BUILDING



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DATE: <i>5/15/14</i>	PROJECT NO: <i>111002.001</i>
DRAWING SCALE: <i>1" = 20'</i>	

FIGURE 9
APEC 01: (CONTAINERS AND DRUMS OF UNKNOWN SUBSTANCES) SAMPLING LOCATIONS
BASELINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

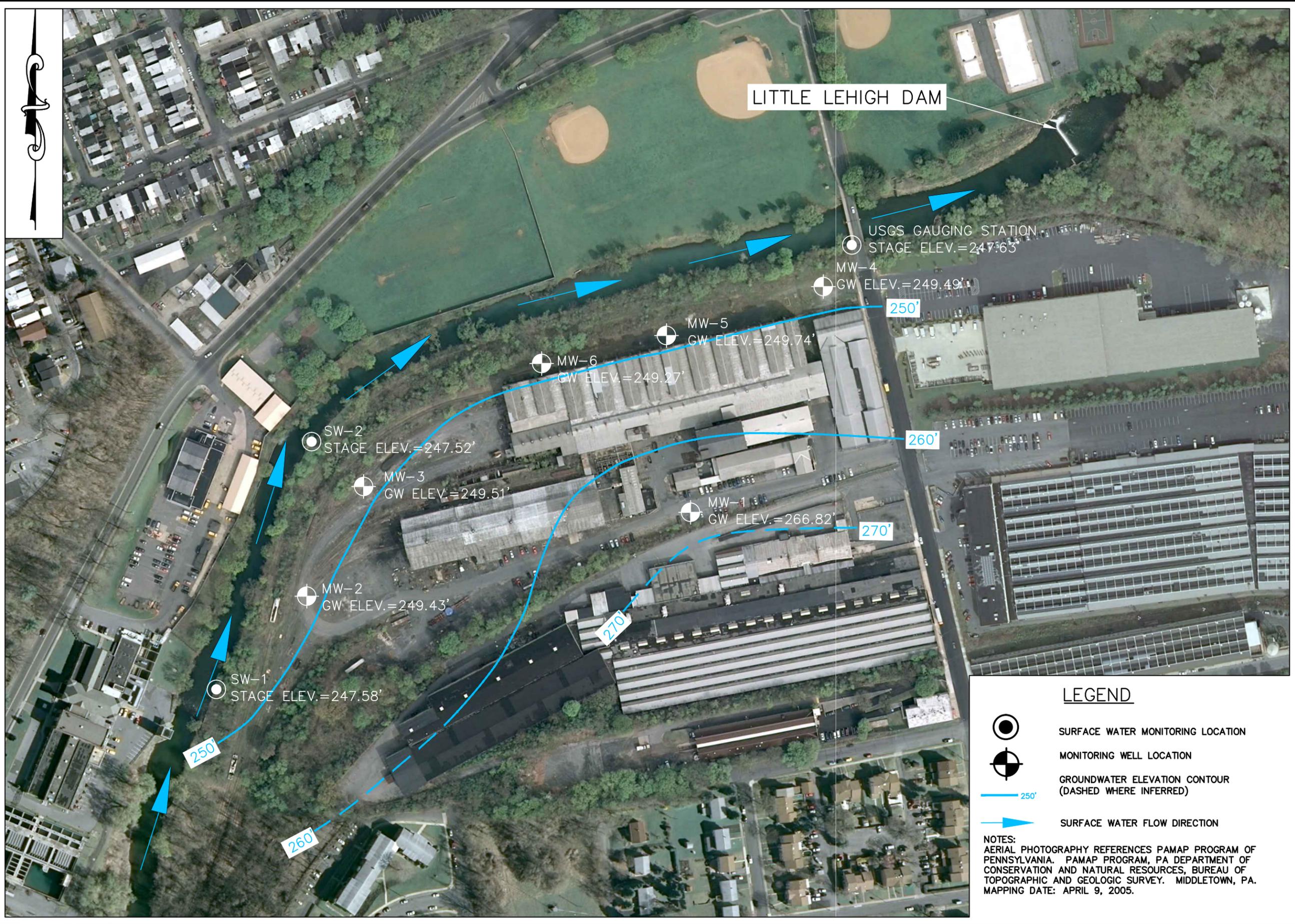


FIGURE 10
GROUNDWATER ELEVATION MAP – FEBRUARY 28, 2014

FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

CHECKED BY: SRC	PROJECT NO: 111002.001
DRAWN BY: JAY	DATE: 4/29/14
DRAWING SCALE: 1" = 200'	

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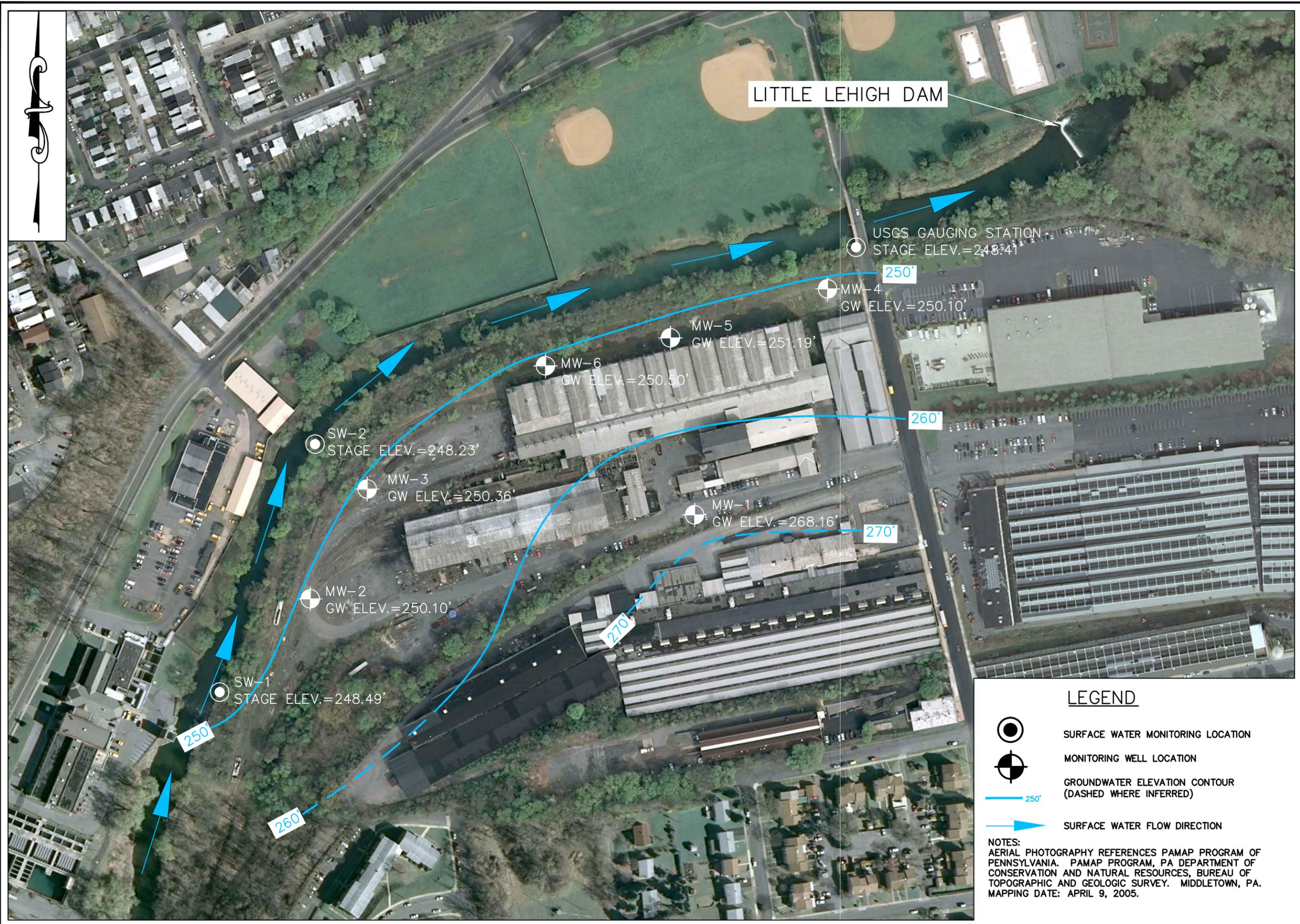
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WV office 304.212.6866
toll free 800.264.4553

LEGEND

- SURFACE WATER MONITORING LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- SURFACE WATER FLOW DIRECTION

NOTES:
AERIAL PHOTOGRAPHY REFERENCES PAMAP PROGRAM OF PENNSYLVANIA. PAMAP PROGRAM, PA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES, BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY. MIDDLETOWN, PA. MAPPING DATE: APRIL 9, 2005.





LITTLE LEHIGH DAM

USGS GAUGING STATION
STAGE ELEV.=248.41

250'

MW-4
GW ELEV.=250.10'

MW-5
GW ELEV.=251.19'

MW-6
GW ELEV.=250.50'

260'

SW-2
STAGE ELEV.=248.23'

MW-3
GW ELEV.=250.36'

MW-1
GW ELEV.=268.16'

270'

MW-2
GW ELEV.=250.10'

SW-1
STAGE ELEV.=248.49'

250'

260'

LEGEND

-  SURFACE WATER MONITORING LOCATION
-  MONITORING WELL LOCATION
-  GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
-  SURFACE WATER FLOW DIRECTION

NOTES:
AERIAL PHOTOGRAPHY REFERENCES PAMAP PROGRAM OF PENNSYLVANIA. PAMAP PROGRAM, PA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES, BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY. MIDDLETOWN, PA. MAPPING DATE: APRIL 9, 2005.

FIGURE 11
GROUNDWATER ELEVATION MAP – APRIL 16, 2014

FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

CHECKED BY:	SRC
DRAWN BY:	JAY
PROJECT NO:	111002.001
DATE:	4/25/14
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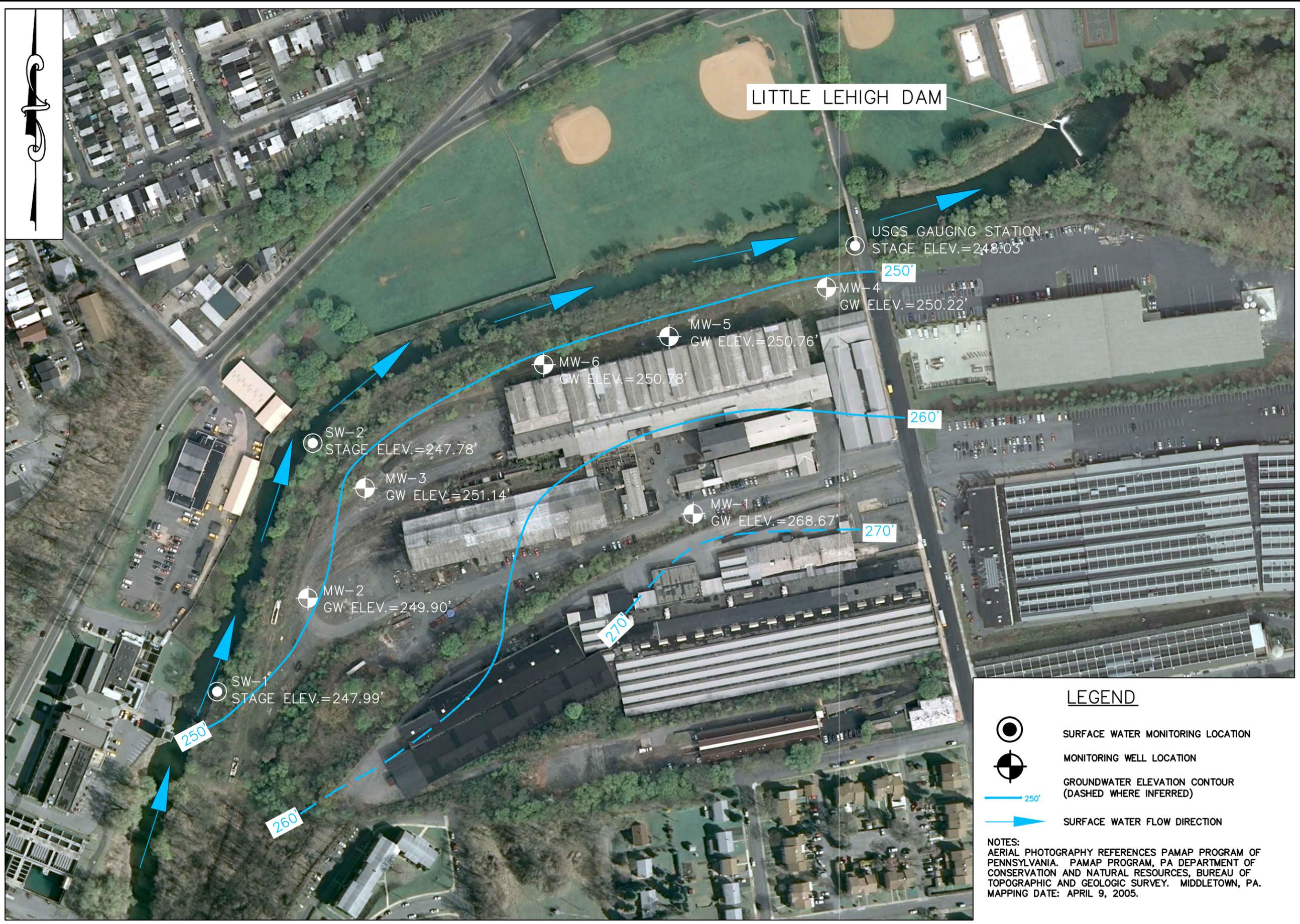
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LITTLE LEHIGH DAM

USGS GAUGING STATION
STAGE ELEV.=248.03'

250'

MW-4
GW ELEV.=250.22'

MW-5
GW ELEV.=250.76'

MW-6
GW ELEV.=250.78'

260'

SW-2
STAGE ELEV.=247.78'

MW-3
GW ELEV.=251.14'

MW-1
GW ELEV.=268.67'

270'

MW-2
GW ELEV.=249.90'

SW-1
STAGE ELEV.=247.99'

250'

260'

270'

LEGEND

-  SURFACE WATER MONITORING LOCATION
-  MONITORING WELL LOCATION
-  GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
-  250'
-  SURFACE WATER FLOW DIRECTION

NOTES:
AERIAL PHOTOGRAPHY REFERENCES PAMAP PROGRAM OF PENNSYLVANIA. PAMAP PROGRAM, PA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES, BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY. MIDDLETOWN, PA. MAPPING DATE: APRIL 9, 2005.

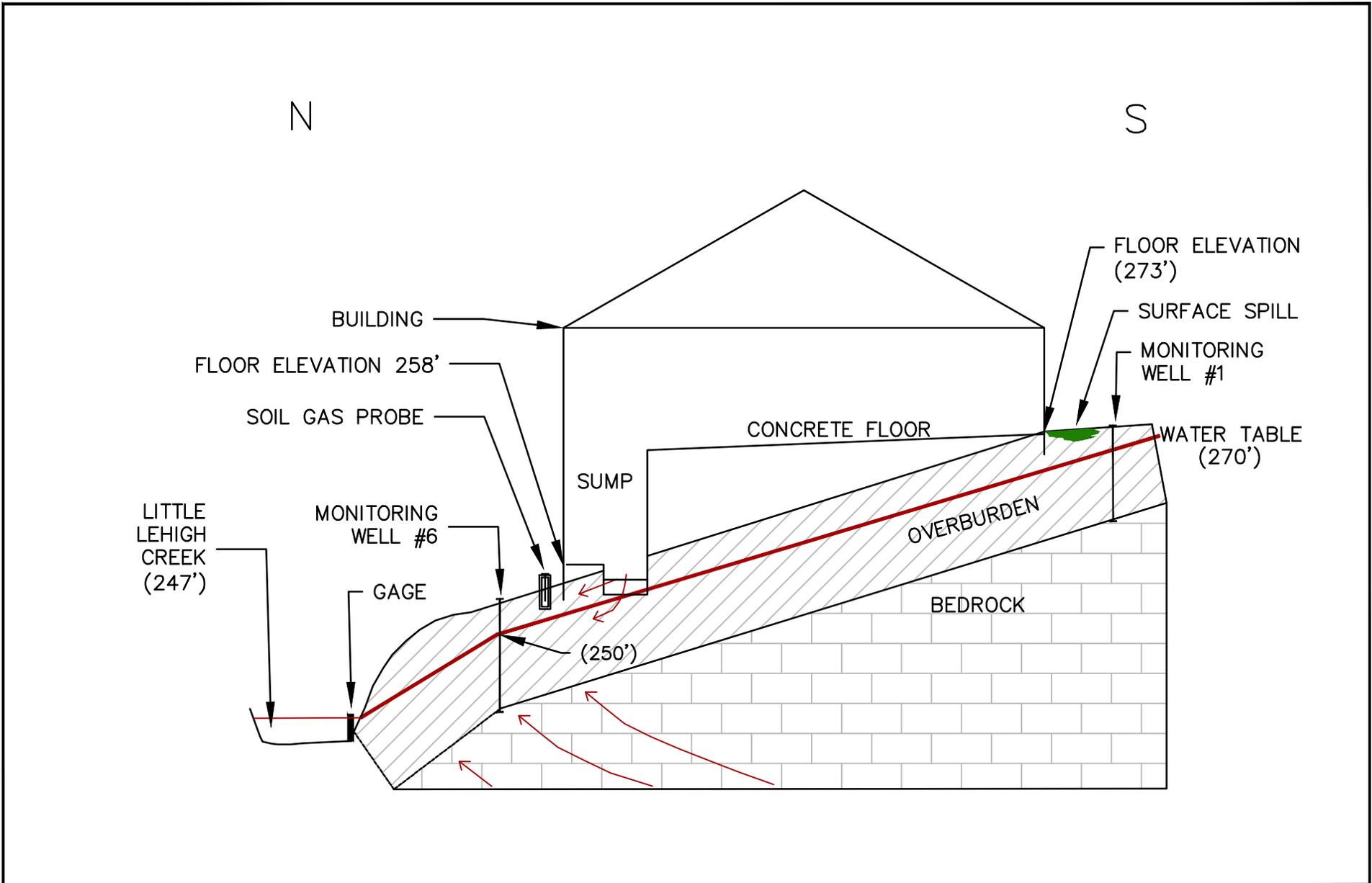
FIGURE 12
GROUNDWATER ELEVATION MAP – MAY 5, 2014

FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

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PROJECT NO:	111002.001
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DATE: 05/29/14	PROJECT NO.: 111002.001
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FIGURE 13
SITE CONCEPTUAL MODEL CROSS SECTION

BASELINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA



FIGURE 14
AREAS REQUIRING CLEANUP

BASELINE REMEDIAL INVESTIGATION REPORT
FORMER ALLENTOWN METAL WORKS
606 SOUTH TENTH STREET
CITY OF ALLENTOWN, LEHIGH COUNTY, PA

DRAWN BY: <i>RCC</i>	CHECKED BY: <i>SRC</i>	DATE: 05/02/14	PROJECT NO: 111002.001
		DRAWING SCALE: 1" = 150'	

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APPENDIX B
Project Correspondence

January 17, 2014

Mr. Philip H. Rotstein, Work Assignment Manager
U.S. Environmental Protection Agency
1650 Arch Street
Philadelphia, PA 19103-2029

**RE: Response to Technical Review – Work Plan for Baseline Remedial Investigation
Former Allentown Metal Works Property
600 South Tenth Street
City of Allentown, Lehigh County, PA
EarthRes Project No. 131012.001 (15)**

Dear Mr. Rotstein:

I am in receipt of the November 19, 2013 technical review letter from Nancy Shannon of Weston Solutions, Inc. Please find below my responses. In addition, the revised Work Plan for Baseline Remedial Investigation was submitted to Felicia Fred of your office on December 24, 2013.

1.0 General Comments

1.1 Sections B1.6 APEC-06: Former Rail Sidings, Table 2, and Figure 3

WESTON suggests revising the descriptions of the rail sidings on Figure 3 to “former rail sidings” to be consistent with descriptions in the text and table.

EarthRes Response: As requested, the descriptions on Figure 3 and Table 2 were revised and included with the revised Work Plan for Baseline Remedial Investigation.

1.2 Figure 3

WESTON suggests revising Figure 3 of the Work Plan to depict the open pit located along the exterior of the north side of the Mack building/warehouse, the pit along the western interior wall of the power house, and the floor sump located in the paint/truck shop as APEC-07 locations.

EarthRes Response: As requested, Figure 3 was revised to identify the pit located on the north side of the Mack Building/Warehouse and the pit located along the western interior of the power house as APEC-07. The sump located within the Paint/Truck Shop will not be investigated at this time.

2.0 Specific Comments

2.1 Subsurface Soil Sample Collection

WESTON suggests revising the Work Plan to include the collection of subsurface soil samples site-wide using Direct Push Technology (DPT). See comments 2.3 and 2.4 for more APEC specific comments regarding subsurface soil sample collection.

EarthRes Response: As requested, the collection of subsurface soil samples from the referenced AOCs has been added to the revised Work Plan for Baseline Remedial Investigation.

2.2 Sections B1.2 APEC-02: Underground Storage Tanks (UST)

WESTON suggests revising the Work Plan to provide for contingency sampling in the vicinity of the fill pipe of unknown origin if geophysics determine a UST is present at that location. Additionally, WESTON suggests the Work Plan be revised to include the collection of soil samples in the vicinity of the former 10,000 gallon UST in order to document whether soil and/or groundwater has been impacted. Additionally, the Work Plan states that: "if technically feasible the tanks will be removed from the ground for off-site disposal". It should be noted that if removal of the tanks appears technically impractical due to structural reasons or others, the USTs should be closed in place according to the PADEP Closure Requirements for USTs as well as the American Petroleum Institute Closure Guidance. If USTs are to be Permanently Closed in place, an appropriate flowable fill should be used.

EarthRes Response: As requested, the language regarding the USTs and contingency sample collection has been added to the revised Work Plan for Baseline Remedial Investigation.

2.3 B1.7 APEC-07: Various Pits and Sumps

WESTON suggests revising the Work Plan to include the collection of subsurface soil samples downgradient of pits and/or sumps using Direct Push Technology (DPT). WESTON also suggests revising the Work Plan to define "downgradient direction" with respect to each pit/sump sample collection. Since the actual distance from the pits/sumps to the "downgradient" sample location is not known, depicting the actual proposed sampling locations on a Figure would be beneficial in understanding downgradient locations.

EarthRes Response: As requested, the collection of subsurface samples has been added to the revised Work Plan for Baseline Remedial Investigation. Also, Figure 3 has been revised with the addition of arrows that show the ground slope direction. Generally, the ground surface at the Site slopes downward toward the north and west. In addition, a majority of the pits and sumps in the Machine Shop, North Pit Assembly and Heavy Plate Shop are located in the northern portions of each building. Soil sampling will be conducted along the exterior of the buildings in the projected downslope direction from the pit location(s) or if the slope cannot be determined, from as close as possible to the sump.

2.4 B1.8 APEC-08: Historic Fill

WESTON suggests revising the Work Plan to include the collection of subsurface soil samples in the historic fill areas using Direct Push Technology (DPT).

EarthRes Response: As requested, the collection of subsurface soil samples within the areas of historic fill has been added to the revised Work Plan for Baseline Remedial Investigation.

2.5 B1.92.5 B1.9 APEC-09: Groundwater

WESTON suggests revising the Work Plan to include the installation of one additional monitoring well in the northwest portion of the subject property or moving the proposed location of MW-2 approximately 300 feet southwest.

EarthRes Response: As requested, additional groundwater monitoring wells have been added to Figure 3 and the revised Work Plan for Baseline Remedial Investigation. Also, staff gages were added to measure the water level in the Little Lehigh Creek.

3.0 Closing

We trust this letter and the revised Work Plan for Baseline Remedial Investigation provides the information you require. If you have any questions or comments, please contact me at (215) 766-1211.

Sincerely,
EarthRes Group, Inc.



Scott R. Campbell, P.G.
Project Manager

cc: R. Scott Unger, AEDC
Felicia Fred, USEPA
Tracy Oscavich, LVEDC
Andrew Kleiner, LVEDC



WESTON SOLUTIONS, INC.
1400 Weston Way
West Chester, Pennsylvania 19380
610-701-3000 • Fax 610-701-3186

The Trusted Integrator for Sustainable Solutions

November 19, 2013

Mr. Philip H. Rotstein, Work Assignment Manager
U.S. Environmental Protection Agency
1650 Arch Street
Philadelphia, PA 19103-2029

Via Electronic Mail

Document Control No.: W0012.1A.00752

**Subject: Technical Review – Work Plan for Baseline Remedial Investigation
Former Allentown Metal Works Property
600 South Tenth Street, Allentown, Pennsylvania
Contract No.: EP-S3-10-05, TDD No. WS04-10-07-001**

Dear Mr. Rotstein:

Weston Solutions, Inc. (WESTON®) is pleased to submit the technical review of the Work Plan for Baseline Remedial Investigation for the Former Allentown Metal Works Property, prepared by EarthRes Group of Pipersville, Pennsylvania. The technical review focused on the adequacy of the Work Plan to evaluate the *recognized environmental conditions* identified by the Phase I Environmental Site Assessment, as required by *American Society for Testing and Materials (ASTM) Standard E1903: Phase II Environmental Site Assessment Process* and in accordance with the PADEP ACT 2 Land Recycling Program Technical Guidance Manual for Special Industrial Areas. The technical review addresses both minor documentation and editorial issues that are presented as general comments, and major issues presented as specific comments that may significantly impact the integrity of the objectives of sampling and analysis. If you have any questions, please contact me at (856) 793-2129.

Very truly yours,

WESTON SOLUTIONS, INC.

A handwritten signature in black ink that reads "Nancy Shannon". The signature is written in a cursive style.

Nancy Shannon
Senior Project Scientist

enclosure

cc: Robert McGlade, WESTON
site file

**TECHNICAL REVIEW
WORK PLAN FOR BASELINE REMEDIAL INVESTIGATION
FORMER METAL WORKS PROPERTY
600 SOUTH TENTH STREET
ALLENTOWN, PENNSYLVANIA**

Prepared for:



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
1650 Arch Street
Philadelphia, Pennsylvania 19103**

Prepared by:



**Region III Superfund Technical Assessment and Response Team IV
Weston Solutions, Inc.
West Chester, Pennsylvania 19380**

EPA Contract No.: EP-S3-10-05
TDD No.: WS04-10-07-001
Document Control No.: W0012.1A.00752

November 19, 2013

Technical Review of Work Plan for Baseline Remedial Investigation

Site Name: Former Allentown Metal Works Property

Region: 3

Location: Allentown, Pennsylvania

EPA Work Assignment Manager: Philip Rotstein

WESTON Reviewer: Nancy Shannon

Date: November 19, 2013

1.0 General Comments

1.1 Sections B1.6 APEC-06: Former Rail Sidings, Table 2, and Figure 3

This section presents the sampling rationale and design with regard to the rail sidings located on the property. In the text of the report and in Table 2 the rail sidings located north of the machine shop and northwest of the heavy plat shop are referred to as “former rail sidings”; however, on Figure 3, these rail sidings are referred to as “historic rail sidings”.

WESTON suggests revising the descriptions of the rail sidings on Figure 3 to “former rail sidings” to be consistent with descriptions in the text and table.

1.2 Figure 3

Figure 3 depicts the locations of the APEC’s described in the Work Plan. However, the open pit located along the exterior of the north side of the mack building/warehouse, the pit along the western interior wall of the power house, and the floor sump located in the paint/truck shop are not identified as APEC-07 locations on the figure.

WESTON suggests revising Figure 3 of the Work Plan to depict the open pit located along the exterior of the north side of the mack building/warehouse, the pit along the western interior wall of the power house, and the floor sump located in the paint/truck shop as APEC-07 locations.

2.0 Specific Comments

2.1 Subsurface Soil Sample Collection

With the exception of subsurface soil samples being collected beneath the USTs in accordance with PADEP UST closure requirements, subsurface soil samples are not planned to be collected at the Subject Property. Given the history of the site and observation of actual oil at several locations, most notably in the pits/sumps, the collection of just surface soil samples is not adequate to characterize the environmental conditions at the Subject Property.

WESTON suggests revising the Work Plan to include the collection of subsurface soil samples site-wide using Direct Push Technology (DPT). See comments 2.3 and 2.4 for more APEC specific comments regarding subsurface soil sample collection.

2.2 Sections B1.2 APEC-02: Underground Storage Tanks (UST)

This section presents the sampling rationale and design with regard to the identified and suspected USTs present on the property. While this section does state that geophysics will be conducted in the vicinity of the former 10,000-gallon UST and the fill pipe of unknown origin located at the northwest corner of the powerhouse; there is no discussion of soil sample collection at either of these locations if a UST is identified. Additionally, even if geophysics determine that the 10,000-gallon UST is no longer present, there is no documentation available to verify that the soil and/or groundwater in the vicinity of that tank has not been impacted.

WESTON suggests revising the Work Plan to provide for contingency sampling in the vicinity of the fill pipe of unknown origin if geophysics determine a UST is present at that location. Additionally, WESTON suggests the Work Plan be revised to include the collection of soil samples in the vicinity of the former 10,000 gallon UST in order to document whether soil and/or groundwater has been impact.

Additionally, the Work Plan states that: "if technically feasible the tanks will be removed from the ground for off-site disposal", it should be noted that if removal of the tanks appears technically impractical due to structural reasons or others, the USTs should be closed in place according to the PADEP Closure Requirements for USTs as well as the American Petroleum Institute Closure Guidance. If USTs are to be Permanently Closed in Place, an appropriate flowable fill should be used.

2.3 B1.7 APEC-07: Various Pits and Sumps

This section presents the sampling rationale and design with regard to the numerous sumps and pits identified on the property. In Section A2 of the Work Plan, several of the sumps and pits are described as being 3 or 4 feet deep, presumably below ground surface (bgs), and the depths of one or two others are described as unknown. However, the sampling design indicates that surface soil (0 to 6 inches bgs) samples will be collected, with the exception of the sample for VOCs, which will be collected at a depth of 18-24 bgs, at down gradient locations outside the buildings where the sumps are located. Since the property has been an industrial facility since

1902 and the age and original construction of the pits is not known, there is the potential for these pits and/or sumps to once have been open earth pits that were then cemented over or the pits and/or sumps could have been repaired at any point. Therefore, the conclusion that the contents of the pits and/or sumps didn't impact the subsurface because the current condition of the pit and/or sump is intact cannot be made without collecting subsurface soil samples downgradient of the pits and/or sumps.

WESTON suggests revising the Work Plan to include the collection of subsurface soil samples downgradient of pits and/or sumps using Direct Push Technology (DPT). WESTON also suggests revising the Work Plan to define "downgradient direction" with respect to each pit/sump sample collection. Since the actual distance from the pits/sumps to the "downgradient" sample location is not known, depicting the actual proposed sampling locations on a Figure would be beneficial in understanding downgradient locations.

2.4 B1.8 APEC-08: Historic Fill

This section presents the sampling rationale and design with regard to the historic fill areas in the western and southern portions of the subject property. The sampling design indicates that surface soil (0 to 6 inches bgs) samples will be collected, with the exception of the sample for volatile organic compounds (VOCs), which will be collected at a depth of 18-24 bgs. However, since the depth of the fill is not known, a surface soil sample is not adequate to characterize the fill and its potential impact to underlying groundwater.

WESTON suggests revising the Work Plan to include the collection of subsurface soil samples in the historic fill areas using Direct Push Technology (DPT).

2.5 B1.9 APEC-09: Groundwater

This section presents the sampling rationale and design with regard to the groundwater quality at the subject property. There is no mention of the "assumed" downgradient direction for groundwater flow in the Work Plan; however, based on general site topography, the direction of groundwater flow should be to the northwest (in the direction of the Little Lehigh Creek). Currently, only two monitoring wells are planned to be installed north of site structures and past site activities. However, given the size of the subject property and the presence of APECs (historic fill, rail siding area, drum storage area, etc.) in the western and northwestern portion of the subject property, WESTON does not believe that these two monitoring wells will provide adequate information to evaluate the groundwater quality beneath the entire subject property.

WESTON suggests revising the Work Plan to include the installation of one additional monitoring well in the northwest portion of the subject property or moving the proposed location of MW-2 approximately 300 feet southwest.



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION.

ENVIRONMENTAL CLEANUP AND BROWNFIELDS PROGRAM

November 7, 2013

Allentown Commercial & Industrial
Development Authority
c/o Mr. Scott Unger
905 Harrison Street
Allentown, PA 18103

Re: Receipt of Notice of Intent to Remediate
(SIA) Standard for soil
Former Allentown Metal Works, Inc.
eFACTS Site #660489
eFACTS PF #770859
606 South Tenth Street
City of Allentown, Lehigh County

Dear Mr. Unger:

This letter acknowledges receipt of your Notice of Intent to Remediate (NIR) on October 28, 2013 pertaining to the subject property and submitted in accordance with the Land Recycling and Environmental Remediation Standards Act (Act 2). The procedures set forth in Act 2 must be followed in order for this site to qualify for the liability protection provided by the Act. The Department of Environmental Protection (DEP or department) will not accept plans and reports until after the 30-day comment period following submission of the NIR ends.

The 30-day comment period following submission of the NIR allows the municipality the opportunity to request to be involved in the development of remediation and reuse plans for the property. If the municipality requests a public involvement plan, any comments and responses must be included in the submission of the baseline environmental report. There is no fee required for submittal of the baseline environmental report.

Additional technical and program information can be found at www.depweb.state.pa.us under the DEP Program "Land Recycling." Also, please refer to the Land Recycling Program checklists which are helpful in assuring reports are complete before submittal. The department uses the checklists to perform administrative and technical completeness reviews when plans and/or reports are submitted. It is strongly encouraged to include the appropriate completed checklist with your final report submission. Land Recycling checklists can be found at the website under the DEP Program "Land Recycling", "Forms & Lists" link.

Please refer to the enclosed Standard Attachment for considerations of other programs which may be applicable to this property.

Allentown Commercial & Industrial
Development Authority
c/o Mr. Scott Unger

-2-

November 7, 2013

Gerard Olenick is the project manager assigned to your project and will be working with you towards the remediation of this property. Frequent contact is encouraged between your representatives and our staff. If you have any questions or need further clarifications of our procedures, please call Gerard Olenick at 570/826-2498.

Sincerely,



Antoinette Suda
Land Recycling Program
Environmental Cleanup and Brownfields Program

Enclosure: Standard Attachment

cc: Scott Campbell/EarthRes Group, Inc.
City of Allentown

Proof of Publication Notice in The Morning Call

Under Act No. 587, Approved May 16, 1929, and its amendments

STATE OF PENNSYLVANIA }
COUNTY OF LEHIGH } ss:

COPY OF NOTICE OR ADVERTISEMENT

Sharon A. Repsher, Manager of Billing and Collections of THE

MORNING CALL, INC., of the County and State aforesaid, being duly sworn, deposes and says that THE MORNING CALL is a newspaper of general circulation as defined by the aforesaid Act, whose place of business is 101 North Sixth Street, City of Allentown, County and State aforesaid, and that the said newspaper was established in 1888 since which date THE MORNING CALL has been regularly issued in said County, and that the printed notice or advertisement attached hereto is exactly the same as was printed and published in regular editions and issues of the said THE MORNING CALL on the following dates, viz.:

..... and the 16th day of September 2013

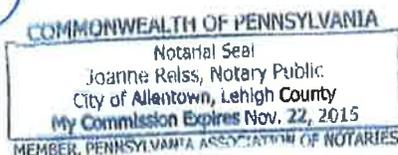
Affiant further deposes that he is the designated agent duly authorized by THE MORNING CALL, INC., a corporation, publisher of said THE MORNING CALL, a newspaper of general circulation, to verify the foregoing statement under oath, and the affiant is not interested in the subject matter of the aforesaid notice or advertisement, and that all allegations in the foregoing statements as to time, place and character of publication are true.

Sharon A. Repsher

Designated Agent, THE MORNING CALL, INC.

SWORN to and subscribed before me this 16th day of September 2013

Notary Public



Notice of an Intent to Remediate to an Environmental Standard.
(Sections 302(e)(1)(ii), 303(h)(1)(ii), 304(n)(1)(i), and 305(c)(1))

Pursuant to the Land Recycling and Environmental Remediation Standards Act, the act of May 19, 1995, P.L. 4, No. 1995-2, notice is hereby given that the Allentown Economic Development Corporation has submitted to the Pennsylvania Department of Environmental Protection a Notice of Intent to Remediate the former Allentown Metal Works site located at 606 South Tenth Street in the City of Allentown, Lehigh County, Pennsylvania.

This Notice of Intent to Remediate states that the Site was used industrially as early as 1902 and past uses may have impacted media at the site with petroleum hydrocarbons, inorganic and organic contaminants. The Site is currently not in use and has been vacant since approximately August 2011. The Allentown Economic Development Corporation (AEDC) has indicated proposed remediation at the Site may include one or more of the following measures: soil excavation; drum and container removal; capping; and the closure of underground and aboveground storage tanks. The planned future use of the Site is for non-residential purposes. This site is located in a Special Industrial Area. The Act provides for a 30-day public comment period for sites located in Special Industrial Areas. The 30-day comment period is initiated with the publication of this notice. Until October 15, 2013, the City of Allentown may submit a request to the Allentown Economic Development Corporation to be involved in the development of the remediation and reuse plans for the site. The City of Allentown may also submit a request to the Allentown Economic Development Corporation during this 30-day comment period to develop and implement a public involvement plan.

#27141 — 9/16/2013

PUBLISHER'S RECEIPT FOR ADVERTISING COSTS

THE MORNING CALL, INC., publisher of THE MORNING CALL, a newspaper of general circulation, hereby acknowledges receipt of the aforesaid notice and publication costs and certifies that the same have been duly paid.

THE MORNING CALL, INC. a Corporation,
Publishers of THE MORNING CALL
A Newspaper of General Circulation

By *[Signature]*



EARTHRES GROUP

September 30, 2013

Mr. Garry Ritter
Allentown City Hall
435 Hamilton Street, 4TH Floor
Allentown, PA 18101

EarthRes Group, Inc.
P. O. Box 468
Pipersville, PA 18947 USA

215-766-1211 TELEPHONE
215-766-1245 FACSIMILE

www.earthres.com

**RE: Notice of Intent to Remediate
Allentown Metal Works
606 South Tenth Street
City of Allentown, Lehigh County, PA
EarthRes Project No. 131012.001**

Dear Mr. Ritter:

The Land Recycling and Environmental Remediation Standards Act (Act 2) requires that a Notice of Intent to Remediate (NIR) be provided to the municipality in which the site is located. Act 2 also provides that when a site is a Special Industrial Area or is being remediated to a Site-specific Standard, the municipality is afforded a 30-day comment period. In accordance with the provisions of the Act, we are formally notifying you of our intent to remediate the subject site. A copy of the Notice of Intent to Remediate, which has been sent to the Pennsylvania Department of Environmental Protection (DEP), is enclosed. This notice will be published in the Pennsylvania Bulletin, and a summary of the notice will appear in a local newspaper.

Publication of this notice in a local newspaper initiates the 30-day public and municipal comment period. During this time, your municipality may request to become involved in the development of the remediation and reuse plans for the site. If the municipality wishes to become involved in this project, please send your comments to:

R. Scott Unger, Executive Director
Allentown Economic Development Corporation
P.O. Box 1400, Allentown, PA 18105

Sincerely,
EarthRes Group, Inc.

Scott R. Campbell, P.G.
Project Manager

Certified Mail No. 7010 2780 0001 8345 2299

Cc: Scott Unger (standard mail)
Mayor Pawlowski (certified mail)



For DEP Use Only

PF # _____

Rem ID # _____

NOTICE OF INTENT TO REMEDIATE

Act 1995-2 requires four general information items to be included in the NIR: the general location, listing of contaminants, intended use of property, and proposed remediation measures. In addition, indicate the standard(s) to be obtained (if known) and attach a scaled site map (if available).

Property Name former Allentown Metal Works, Inc. Facility

Former Name(s) / AKA _____

Address / Location 606 South Tenth Street

City Allentown Zip Code 18103

Municipality(s) City of Allentown County(ies) Lehigh

Latitude 40 ° (deg). 35 ' (min) 42 " (sec) Longitude -75 ° (deg). 28 ' (min) 38 " (sec)

Horizontal Collection Method USGS 7.5 Minute Quadrangle Map-Allentown East, PA

Horizontal Reference Datum NAD 27 Reference Point Approx. center of Site

Wish to participate in the DEP/EPA MOA. Contact Troy Conrad at tconrad@state.pa.us for details.

EPA ID#, if known _____

DEP ID#(s), if known _____

(i.e., eFACTS site ID#, storage tank facility ID#, water quality permit #, watershed permit, air quality permit #, etc.)

Date Release Occurred (if known) unknown

Provide a brief description of the site contamination in plain language (e.g. fuel oil spill, historical chemical industrial area contamination), the names of any know primary contaminants to be addressed, and the intended future use of the property.

Based upon review of available historical information, the Site was used for industrial purposes as early as 1902 and past uses may have impacted media at the site with petroleum hydrocarbons, inorganic and organic contaminants. The Site is currently not in use and has been vacant since approximately August 2011. The planned future use of the Site is for non-residential purposes.

Provide a general description of proposed remediation measures.

Proposed remediation at the Site may include one or more of the following measures: soil excavation; drum and container removal; capping; and the closure of underground and aboveground storage tanks.

Remediation Standard(s) planned (if known at this time):

- | | | |
|---|--|--------------------------------------|
| <input type="checkbox"/> Unknown at this time | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Background Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Statewide Health - Residential Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Statewide Health – Non-Residential Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Site Specific Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input checked="" type="checkbox"/> Special Industrial Area* Contaminants: PHCs, inorganic and organic contaminants | <input checked="" type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |

*NOTE: Specific standard or Special Industrial Area require a 30-day municipal comment period

Remediator / Property Owner / Consultant. Complete the form below for each recipient obtaining a release of liability upon approval of the final report. Attach additional sheets as necessary.

Remediator		
Contact Person/Title <u>R. Scott Unger, Executive Director</u>	eFACTS Client ID* _____	
Relationship to Site <u>Remediator</u> (e.g. owner, remediator, participant in cleanup, consultant, etc.)	Client Type* <u>Private, Non-Profit Organization</u>	
Phone Number <u>610-435-8890</u>	Email Address <u>sunger@allentownedc.com</u>	
Company Name <u>Allentown Economic Development Corp.</u>	EIN or Federal ID # _____	
Address (street, city, state, zip) <u>P.O. Box 1400, Allentown, PA 18105</u>		

Property Owner		
Contact Person/Title <u>R. Scott Unger, Executive Director</u>	eFACTS Client ID* _____	
Relationship to Site <u>Owner</u> (e.g. owner, remediator, participant in cleanup, consultant, etc.)	Client Type* <u>Municipality</u>	
Phone Number <u>610-435-8890</u>	Email Address <u>sunger@allentownedc.com</u>	
Company Name <u>Allentown Commercial & Industrial Development Authority</u>	EIN or Federal ID # _____	
Address (street, city, state, zip) <u>905 Harrison Street, Allentown, PA 18103</u>		

Consultant		
Contact Person/Title <u>Scott R. Campbell, Project Manager</u>	eFACTS Client ID* _____	
Relationship to Site <u>Consultant</u> (e.g. owner, remediator, participant in cleanup, consultant, etc.)	Client Type* <u>PC</u>	
Phone Number <u>215-766-1211</u>	Email Address <u>scampbell@earthres.com</u>	
Company Name <u>EarthRes Group, Inc.</u>	EIN or Federal ID # _____	
Address (street, city, state, zip) <u>P.O. Box 468, Pipersville, PA 18947</u>		

*Include eFACTS Client ID (if known) – "Client Types" below:

Association/Organization	Limited Liability company	Partnership-General
Authority	Limited Liability Partnership	Partnership-Limited
County	Municipality	School District
Estate/Trust	Non-Pennsylvania Government	Sole Proprietorship
Federal Agency	Other (Non-Government)	State Agency
Individual	Pennsylvania Corporation	

Preparer of Notice of Intent to Remediate		
Name <u>Scott R. Campbell, P.G.</u>	Title <u>Project Manager</u>	
Phone Number <u>215-766-1211</u>	Email Address <u>scampbell@earthres.com</u>	
Company Name <u>EarthRes Group, Inc.</u>	eFACTS Client ID _____	
Address (street, city, state, zip) <u>P.O. Box 468, Pipersville, PA 18947</u>		

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 or PO Box No. 435 HAMILTON ST. 4TH FL
 City, State, ZIP+4[®] ALLENTOWN PA 18101

PS Form 3800, August 2006 See Reverse for Instructions

7010 2780 0001 8345 2299

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to:</p> <p style="font-size: 1.2em; margin-left: 20px;">MR: GARRY RITTER ALLENTOWN CITY HALL 435 HAMILTON ST, 4TH FL ALLENTOWN PA 18101</p>	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p><i>G. Roxberry</i></p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p style="text-align: right; font-size: 1.2em;">10-2-13</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label)</p> <p style="font-size: 1.2em; text-align: right;">7010 2780 0001 8345 2299</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>



ENVIRONMENTAL ENGINEERING *and* SCIENCE

EARTHRES GROUP

EarthRes Group, Inc.
P. O. Box 468
Pipersville, PA 18947 USA

215-766-1211 TELEPHONE
215-766-1245 FACSIMILE

www.earthres.com

September 16, 2013

Mayor Edward Pawlowski
City of Allentown
435 Hamilton Street
Allentown, PA 18101

**RE: Notice of Intent to Remediate
Allentown Metal Works
606 South Tenth Street
City of Allentown, Lehigh County, PA
EarthRes Project No. 131012.001**

Dear Mayor Pawlowski:

The Land Recycling and Environmental Remediation Standards Act (Act 2) requires that a Notice of Intent to Remediate (NIR) be provided to the municipality in which the site is located. Act 2 also provides that when a site is a Special Industrial Area or is being remediated to a Site-specific Standard, the municipality is afforded a 30-day comment period. In accordance with the provisions of the Act, we are formally notifying you of our intent to remediate the subject site. A copy of the Notice of Intent to Remediate, which has been sent to the Pennsylvania Department of Environmental Protection (DEP), is enclosed. This notice will be published in the Pennsylvania Bulletin, and a summary of the notice will appear in a local newspaper.

Publication of this notice in a local newspaper initiates the 30-day public and municipal comment period. During this time, your municipality may request to become involved in the development of the remediation and reuse plans for the site. If the municipality wishes to become involved in this project, please send your comments to:

R. Scott Unger, Executive Director
Allentown Economic Development Corporation
P.O. Box 1400, Allentown, PA 18105

Sincerely,
EarthRes Group, Inc.

Scott R. Campbell, P.G.
Project Manager

Certified Mail No. 7010 2780 0001 8345 2268



For DEP Use Only
PF # _____
Rem ID # _____

NOTICE OF INTENT TO REMEDIATE

Act 1995-2 requires four general information items to be included in the NIR: the general location, listing of contaminants, intended use of property, and proposed remediation measures. In addition, indicate the standard(s) to be obtained (if known) and attach a scaled site map (if available).

Property Name former Allentown Metal Works, Inc. Facility

Former Name(s) / AKA _____

Address / Location 606 South Tenth Street

City Allentown Zip Code 18103

Municipality(s) City of Allentown County(ies) Lehigh

Latitude 40 ° (deg). 35 ' (min) 42 " (sec) Longitude -75 ° (deg). 28 ' (min) 38 " (sec)

Horizontal Collection Method USGS 7.5 Minute Quadrangle Map-Allentown East, PA

Horizontal Reference Datum NAD 27 Reference Point Approx. center of Site

Wish to participate in the DEP/EPA MOA. Contact Troy Conrad at tconrad@state.pa.us for details.

EPA ID#, if known _____

DEP ID#(s), if known _____

(i.e., eFACTS site ID#, storage tank facility ID#, water quality permit #, watershed permit, air quality permit #, etc.)

Date Release Occurred (if known) unknown

Provide a brief description of the site contamination in plain language (e.g. fuel oil spill, historical chemical industrial area contamination), the names of any know primary contaminants to be addressed, and the intended future use of the property.

Based upon review of available historical information, the Site was used for industrial purposes as early as 1902 and past uses may have impacted media at the site with petroleum hydrocarbons, inorganic and organic contaminants. The Site is currently not in use and has been vacant since approximately August 2011. The planned future use of the Site is for non-residential purposes.

Provide a general description of proposed remediation measures.

Proposed remediation at the Site may include one or more of the following measures: soil excavation; drum and container removal; capping; and the closure of underground and aboveground storage tanks.

Remediation Standard(s) planned (if known at this time):

- | | | |
|---|--|--------------------------------------|
| <input type="checkbox"/> Unknown at this time | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Background Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Statewide Health - Residential Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Statewide Health – Non-Residential Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input type="checkbox"/> Site Specific Contaminants: | <input type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |
| <input checked="" type="checkbox"/> Special Industrial Area* Contaminants: PHCs, inorganic and organic contaminants | <input checked="" type="checkbox"/> Soil | <input type="checkbox"/> Groundwater |

*NOTE: Specific standard or Special Industrial Area require a 30-day municipal comment period

Remediator / Property Owner / Consultant. Complete the form below for each recipient obtaining a release of liability upon approval of the final report. Attach additional sheets as necessary.

Remediator

Contact Person/Title R. Scott Unger, Executive Director eFACTS Client ID* _____

Relationship to Site Remediator Client Type* Private, Non-Profit Organization
(e.g. owner, remediator, participant in cleanup, consultant, etc.)

Phone Number 610-435-8890 Email Address sunger@allentownedc.com

Company Name Allentown Economic Development Corp. EIN or Federal ID # _____

Address (street, city, state, zip) P.O. Box 1400, Allentown, PA 18105

Property Owner

Contact Person/Title R. Scott Unger, Executive Director eFACTS Client ID* _____

Relationship to Site Owner Client Type* Municipality
(e.g. owner, remediator, participant in cleanup, consultant, etc.)

Phone Number 610-435-8890 Email Address sunger@allentownedc.com

Company Name Allentown Commercial & Industrial Development Authority EIN or Federal ID # _____

Address (street, city, state, zip) 905 Harrison Street, Allentown, PA 18103

Consultant

Contact Person/Title Scott R. Campbell, Project Manager eFACTS Client ID* _____

Relationship to Site Consultant Client Type* PC
(e.g. owner, remediator, participant in cleanup, consultant, etc.)

Phone Number 215-766-1211 Email Address scampbell@earthres.com

Company Name EarthRes Group, Inc. EIN or Federal ID # _____

Address (street, city, state, zip) P.O. Box 468, Pipersville, PA 18947

- *Include eFACTS Client ID (if known) – "Client Types" below:
- | | | |
|------------------------------------|-------------------------------|---------------------|
| Association/Organization Authority | Limited Liability company | Partnership-General |
| County | Limited Liability Partnership | Partnership-Limited |
| Estate/Trust | Municipality | School District |
| Federal Agency | Non-Pennsylvania Government | Sole Proprietorship |
| Individual | Other (Non-Government) | State Agency |
| | Pennsylvania Corporation | |

Preparer of Notice of Intent to Remediate

Name Scott R. Campbell, P.G. Title Project Manager

Phone Number 215-766-1211 Email Address scampbell@earthres.com

Company Name EarthRes Group, Inc. eFACTS Client ID _____

Address (street, city, state, zip) P.O. Box 468, Pipersville, PA 18947

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Sent To MAYOR EDWARD PAWLOWSKI
CITY OF ALLENTOWN
 Street, Apt. No.,
 or PO Box No. 435 HAMILTON STREET
 City, State, ZIP+4 ALLENTOWN PA 18101

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>K. Ramsey</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____</p> <p>C. Date of Delivery 9-18-03</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p>MAYOR EDWARD PAWLOWSKI CITY OF ALLENTOWN 435 HAMILTON STREET ALLENTOWN PA 18101</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number (Transfer from service label)</p> <p>7010 2780 0001 8345 2268</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northeast Regional Office

January 2, 2014

Mr. Scott Campbell, P.G.
EarthRes Group, Inc.
P.O. Box 468
Pipersville, PA 18947

RE: Revised Work Plan for Baseline Remedial Investigation
Former Allentown Metal Works Property
600 South Tenth Street
City of Allentown, Lehigh County

Dear Mr. Campbell:

The Department of Environmental Protection has reviewed the above referenced Revised Baseline Investigation Work Plan, submitted on December 24, 2013.

The department's comments on the baseline remedial investigation submitted in June, 2013 have been satisfactory addressed. The department approves the revised work plan.

If you have any questions regarding this letter, please contact me at the telephone number referenced below..

Sincerely,

A handwritten signature in blue ink, appearing to read "Gerard F. Olenick".

Gerard F. Olenick, P.G.
Licensed Professional Geologist
Environmental Cleanup and Brownfields Program

Cc: Randy Roush, CO



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northeast Regional Office

August 5, 2013

Mr. Scott Campbell, P.G.
EarthRes Group, Inc.
P.O. Box 468
Pipersville, PA 18947

RE: Work Plan for Baseline Remedial Investigation
Former Allentown Metal Works Property
600 South Tenth Street
City of Allentown, Lehigh County

Dear Mr. Campbell:

The Department of Environmental Protection has reviewed the above referenced Baseline Investigation Work Plan, submitted on June 26, 2013. The Department has the following comments:

- 1). A Notice of Intent to Remediate (NIR) is required to be submitted to the Department in order for the site to be entered into the Act 2 Land Recycling Program. The selected standard should be the Special Industrial Area (SIA).
- 2) Addition groundwater monitoring wells are needed to adequately characterize the groundwater flow regime at the site. The fairly large site (18 ac.) is situated along the banks of the Little Lehigh Creek as it curves from the southwest to the northeast, creating the potential for semi-radial groundwater flow.
- 3). Staff gauges should be located along the creek to correlate groundwater flow and surface water in the Little Lehigh.

If you have any questions regarding this letter, please contact me at the telephone number referenced below..

Sincerely,

Gerard F. Olenick, P.G.
Licensed Professional Geologist
Environmental Cleanup and Brownfields Program

Cc: Randy Roush, CO

2 Public Square / Wilkes-Barre, PA 18701-1915

570.826.2511 / Fax 570.820.4907

www.depweb.state.pa.us

APPENDIX C

Deed Records

Allentown Metal Works

600 South Tenth Street
Allentown, PA 18103

Inquiry Number: 3533731.7
March 05, 2013

EDR Environmental Lien and AUL Search

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

600 South Tenth Street
Allentown Metal Works
Allentown, PA 18103

RESEARCH SOURCE

Source 1:

Lehigh Recorder of Deeds
Lehigh, PA

PROPERTY INFORMATION

Deed 1:

Type of Deed: Sheriif's Deed
Title is vested in: 600 South Tenth Street Holding Co.
Title received from: Ronald W. Rossi, Sheriff of Lehigh County
Deed Dated: 8/12/2011
Deed Recorded: 8/22/2011
Book: n/a
Page: n/a
Volume: NA
Instrument: 2011025796
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Legal Description: see exhibit

Legal Current Owner: 600 South Tenth Street Holding Co.

Parcel # / Property Identifier: 549697354907 1, 549697391312 1

Comments: see exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found Not Found

Deed Exhibit 1

PREPARED BY:
Department of Law
County of Lehigh
17 South Seventh Street
Allentown, PA 18101
610-782-3180

RECORDED
08/22/2011 3:17:33 PM
RECORDER OF DEEDS
LEHIGH COUNTY
PENNSYLVANIA
Inst Num: 2011025796

RETURN TO:
600 South Tenth Street Holding Company LLC
1350 Avenue of the Americas, 24th Floor
New York, NY 10019
344-821-3467

Know all Men by these Presents That I,

Ronald W. Rossi, Sheriff of the County of Lehigh, in the Commonwealth of Pennsylvania, for and in consideration of the sum of One dollar and zero cents (\$1.00) Dollar(s), to me in hand paid, do hereby grant and convey to:

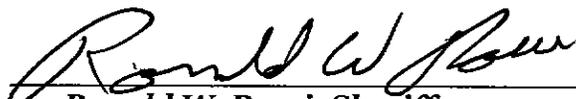
600 South Tenth Street Holding Company LLC

(Hereinafter called the "Grantee")

Description of Property: See Exhibit "A"

The same having been sold by me to the said grantee, on the 24th day of JUNE, Anno Domini two thousand eleven after due advertisement, according to law, under and by virtue of a writ of execution-mortgage foreclosure issued on the 23rd day of February, Anno Domini two thousand eleven out of the Court of Common Pleas of Lehigh County to No. 2010-C-6432 at the suit of 600 South Tenth Street Holding Company, LLC against Allentown Metal Works, Inc..

In Witness Whereof, I have hereunto affixed my signature,
this 12th day of AUGUST, Anno Domini two thousand eleven.



Ronald W. Rossi, Sheriff

61

LEGAL DESCRIPTION

By Virtue of a Writ of Execution issued by Plaintiff 600 South 10th Street Holding Company LLC.

To Term No.: 2010-C-6432

All that certain tract of land and the improvements thereon, located on the west side of S. Tenth Street, in the 12th Ward of the City of Allentown, Lehigh County, Commonwealth of Pennsylvania, being bounded and described as follows, to wit:

Beginning at an iron pipe on the westerly property line of S. Tenth Street, 569.74 feet north of the northerly property line of W. Harrison Street,

Thence, along the northerly property line of land now or late of Mack Trucks, Inc. the following eight courses and distances:

- (1) along a curve to the left, having a radius of 1920.08 feet, for an arc distance of 126.41 feet (chord: S 79° 24' 15" W, 126.14 feet) to a point,
- (2) S 78° 29' W, 318.51 feet to a point,
- (3) N 11° 31' W, 3.00 feet to a point,
- (4) along a curve to the left, having a radius of 1800.10 feet, for an arc distance of 386.44 (chord: S 72° 20' W, 385.60 feet) to a point,
- (5) S 68° 45' W, 165.50 feet to a point,
- (6) S 60° 13' 15" W, 55.18 feet to a point,
- (7) along a curve to the left, having a radius of 1467.69 feet, for an arc distance of 448.28 feet (chord: S 48° 30' 10" W, 446.54 feet) to a point, and
- (8) S 39° 45' 10" W, 243.95 to a point,

Thence, along the easterly property line of land now or late of the City of Allentown, N 50° 14' 50" W, 122.17 feet to a point,

Thence, along the southeasterly property line of land now or late of Conrail, the following nine courses and distances:

- (1) along a curve to the left, having a radius of 728.28 feet, for an arc distance of 78.49 feet (chord: N 22° 53' 06" E, 78.39 feet), to a point,
- (2) N 19° 48' E, 40.00 feet to a point,
- (3) N 22° 01' 30" E, 334.85 feet to a point,
- (4) N 19° 48' E, 251.49 feet to a point,
- (5) along a curve to the right, having a radius of 549.19 feet, for an arc distance of 373.50 feet (chord: N 39° 17' E, 366.35 feet) to a point,
- (6) along a curve to the right, having a radius of 650.19 feet, for an arc distance of 278.40 feet (chord: N 71° 02' E, 276.28 feet) to a point,
- (7) N 83° 18' E, 677.19 feet to a point,
- (8) N 6° 00' W, 4.47 feet to a point, and
- (9) N 83° 18' E, 125.01 feet to a point,

Thence, along the westerly property line of S. Tenth Street, S 6° 00' E, 437.23 feet to the place of beginning.

Containing 17.5388 Acres.

Also, all that certain tract of land located on the west side of S. Tenth Street, in the 12th Ward of the City of Allentown, Lehigh County, Commonwealth of Pennsylvania, being bounded and described as follows, to wit:

Beginning at a point on the westerly property line of S. Tenth Street, 1036.97 feet north of the northerly property line of W. Harrison Street,

Thence, along the northerly property line of land now or late of Conrail, the following six courses and distances:

- (1) S 83° 18' W, 125.01 feet to a point,
- (2) N 6° 00' W, 1.53 feet to a point,
- (3) S 83° 18' W, 677.63 feet to a point,
- (4) along a curve to the left, having a radius of 686.19 feet, for an arc distance of 293.82 feet (chord: S 71° 02' W, 291.58 feet) to a point,
- (5) along a curve to the left, having a radius of 585.19 feet, for an arc distance of 397.99 feet (chord: S 39° 17' W, 390.36 feet) to a point, and
- (6) S 19° 48' W, 203.97 feet to a point,

Thence, along the easterly and southerly property line of land now or late of the City of Allentown, the following six courses and distances:

- (1) N 10° 05' 50" W, 65.63 feet to a point in Little Lehigh Creek, in and through the same
- (2) N 18° 24' 10" E, 262.00 feet to a point,
- (3) N 31° 09' 10" E, 125.00 feet to a point,
- (4) N 59° 48' 50" E, 275.45 feet to a point,
- (5) N 75° 45' E, 612.00 feet to a point, and
- (6) N 89° 00' E, 418.49 feet to a point,

Thence, along the westerly property line of S. Tenth Street, S 6° 00' E, 35.89 feet to the place of beginning.

Containing 1.6844 Acres.

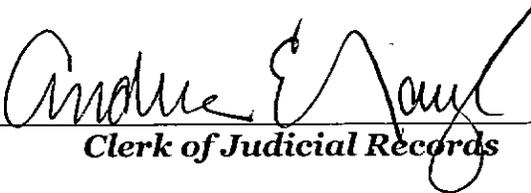
Being the same properties BVI Capital Partners, Inc. conveyed to Allentown Metal Works, Inc., by deed recorded on July 1, 2008, as Document # 7487611, designated as tax parcels 549697354907-1 and 549697391312-1.

Property being known as:	606-638 South 10 th Street, Allentown, PA 18103 * South 10 th Street, Allentown, PA 18103
PIN #s:	549697354907-1 and 549697391312-1
Improvements thereon consist of:	Multi-building manufacturing industrial complex containing a gross building area of 270,050 +/- square feet situated on 19.2232 acres.
Seized and taken in execution as the property of:	Allentown Metal Works, Inc.

Commonwealth of Pennsylvania :
: **SS.:**
County of Lehigh :

Before the undersigned, Andrea E. Naugle, Clerk of Judicial Records of the County of Lehigh, in the Commonwealth of Pennsylvania, personally appeared Ronald W. Rossi, Sheriff of Lehigh County, and in due form of law declared that the facts set forth in the foregoing Deed are true, and that he acknowledged the same in order that said Deed might be recorded.

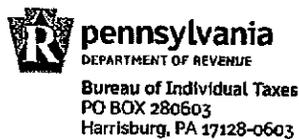
Witness my hand and seal of said Court,
this 12th day of August, Anno Domini two thousand eleven.


Clerk of Judicial Records

I DO CERTIFY THAT THE PRECISE RESIDENCE OF THE WITHIN NAMED GRANTEE IS:

1350 Avenue of the Americas, 24th Floor, New York, NY 10019





REALTY TRANSFER TAX STATEMENT OF VALUE

RECORDER'S USE ONLY

State Tax Paid

Book Number

Page Number

Date Recorded

See reverse for instructions.

Complete each section and file in duplicate with Recorder of Deeds when (1) the full value/consideration is not set forth in the deed, (2) the deed is without consideration or by gift, or (3) a tax exemption is claimed. A Statement of Value is not required if the transfer is wholly exempt from tax based on family relationship or public utility easement. If more space is needed, attach additional sheets.

A. CORRESPONDENT - All inquiries may be directed to the following person:

Name: 600 South Tenth Street Holding Company LLC
Telephone Number: (344) 821-3467
Mailing Address: 1350 Avenue of the Americas, 24th Floor
City: New York
State: NY
ZIP Code: 10019

B. TRANSFER DATA

Grantor(s)/Lessor(s): Sheriff of Lehigh County
Mailing Address: 455 W. Hamilton Street
City: Allentown
State: PA
ZIP Code: 18101

C. Date of Acceptance of Document

6/24/11

Grantee(s)/Lessee(s): 600 South Tenth Street Holding Company LLC
Mailing Address: 1350 Avenue of the Americas, 24th Floor
City: New York
State: NY
ZIP Code: 10019

D. REAL ESTATE LOCATION

Street Address: * S. 10th Street
City, Township, Borough: Allentown
County: Lehigh
School District: Allentown
Tax Parcel Number: 549697391312-1 549697354907-1

E. VALUATION DATA - WAS TRANSACTION PART OF AN ASSIGNMENT OR RELOCATION? Y N

1. Actual Cash Consideration 1.00	2. Other Consideration +0.00	3. Total Consideration = 1.00
4. County Assessed Value 12,650.00	5. Common Level Ratio Factor X 2.80	6. Fair Market Value = 35,420.00

F. EXEMPTION DATA

1a. Amount of Exemption Claimed 100.00	1b. Percentage of Grantor's Interest in Real Estate 100%	1c. Percentage of Grantor's Interest Conveyed 100%
---	---	---

Check Appropriate Box Below for Exemption Claimed.

- Will or intestate succession. _____
(Name of Decedent) (Estate File Number)
- Transfer to a trust. (Attach complete copy of trust agreement identifying all beneficiaries.)
- Transfer from a trust. Date of transfer into the trust
If trust was amended attach a copy of original and amended trust.
- Transfer between principal and agent/straw party. (Attach complete copy of agency/straw party agreement.)
- Transfers to the commonwealth, the U.S. and instrumentalities by gift, dedication, condemnation or in lieu of condemnation. (If condemnation or in lieu of condemnation, attach copy of resolution.)
- Transfer from mortgagor to a holder of a mortgage in default. (Attach copy of mortgage and note/assignment.)
- Corrective or confirmatory deed. (Attach complete copy of the deed to be corrected or confirmed.)
- Statutory corporate consolidation, merger or division. (Attach copy of articles.)
- Other (Please explain exemption claimed.) 72 P.S. 8102-C.3(16) conveyance by sheriff to holder of mortgage

recorded on 9/5/05 at inst. 7288470 and transferred to assignee on 2/5/09 at inst. 2009003651

Under penalties of law, I declare that I have examined this statement, including accompanying information, and to the best of my knowledge and belief, it is true, correct and complete.

Signature of Correspondent or Responsible Party

Date

7-19-11

FAILURE TO COMPLETE THIS FORM PROPERLY OR ATTACH REQUESTED DOCUMENTATION MAY RESULT IN THE RECORDER'S REFUSAL TO RECORD THE DEED.

ANDREA E. NAUGLE
LEHIGH COUNTY CLERK OF JUDICIAL RECORDS



Recorder of Deeds Division
Deborah A. Casciotti, Chief Deputy
Lehigh County Courthouse
455 W. Hamilton Street - Room 122
Allentown, PA 18101-1614
(610) 782-3162

*RETURN DOCUMENT TO:

LESVOY BUTZ & SEITZ LLC
7535 WINDSOR DR
SUITE 200
ALLENTOWN, PA 18195
ATTN: STELLA BLAKE

***Total Pages - 6**

Instrument Number - 2011025796

Recorded On 8/22/2011 At 3:17:33 PM

* Instrument Type - DEED-SHERIFF

Invoice Number - 99151 User ID: LJS

* Grantor - ALLENTOWN METAL WORKS INC

* Grantee - 600 SOUTH TENTH STREET HOLDING COMPANY LLC

* Customer - RONALD W. ROSSI, SHERIFF

* FEES

STATE WRIT TAX	\$0.50
STATE JCS	\$23.50
RECORDING FEES	\$15.00
AFFORDABLE HOUSING	\$11.50
COUNTY ARCHIVES FEE	\$2.00
ROD ARCHIVES FEE	\$3.00
UPI CERTIFICATION FEES	\$20.00
TOTAL PAID	\$75.50

I hereby CERTIFY that this document is
Recorded in the Recorder of Deeds Office
of Lehigh County, Pennsylvania



Andrea E. Naugle

Andrea E. Naugle
Clerk of Judicial Records
Recorder of Deeds Division

LCGIS Registry UPI Certification
On August 19, 2011 By WC

THIS IS A CERTIFICATION PAGE

Do Not Detach

THIS PAGE IS NOW PART OF THIS LEGAL DOCUMENT

* - Information denoted by an asterisk may change during the verification process and may not be reflected on this page.

INSTRUMENT NUMBER - 2011025796



APPENDIX D

Historical Aerial & Topographic Maps



Allentown Metal Works

600 South Tenth Street
Allentown, PA 18103

Inquiry Number: 3533731.5

March 04, 2013

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography March 04, 2013

Target Property:

600 South Tenth Street

Allentown, PA 18103

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1939	Aerial Photograph. Scale: 1"=500'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: April 23, 1939	EDR
1955	Aerial Photograph. Scale: 1"=500'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: April 10, 1955	EDR
1957	Aerial Photograph. Scale: 1"=1000'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: April 29, 1957	EDR
1962	Aerial Photograph. Scale: 1"=500'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: April 21, 1962	EDR
1972	Aerial Photograph. Scale: 1"=500'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: March 20, 1972	EDR
1974	Aerial Photograph. Scale: 1"=1000'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: July 17, 1974	EDR
1981	Aerial Photograph. Scale: 1"=1000'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: May 08, 1981	EDR
1987	Aerial Photograph. Scale: 1"=750'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: September 02, 1987	EDR
1992	Aerial Photograph. Scale: 1"=750'	Panel #: 40075-E4, Allentown East, PA;/Flight Date: March 29, 1992	EDR
1999	Aerial Photograph. Scale: 1"=500'	Panel #: 40075-E4, Allentown East, PA;/DOQQ - acquisition dates: April 13, 1999	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 40075-E4, Allentown East, PA;/Flight Year: 2005	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 40075-E4, Allentown East, PA;/Flight Year: 2008	EDR
2010	Aerial Photograph. Scale: 1"=500'	Panel #: 40075-E4, Allentown East, PA;/Flight Year: 2010	EDR



INQUIRY #: 3533731.5

YEAR: 1939

 = 500'





INQUIRY #: 3533731.5

YEAR: 1955

 = 500'





INQUIRY #: 3533731.5

YEAR: 1957

| = 1000'





INQUIRY #: 3533731.5

YEAR: 1962

| = 500'





INQUIRY #: 3533731.5

YEAR: 1972

| = 500'





INQUIRY #: 3533731.5

YEAR: 1974

| = 1000'



39



INQUIRY #: 3533731.5

YEAR: 1981

 = 1000'





INQUIRY #: 3533731.5

YEAR: 1987

| = 750'





INQUIRY #: 3533731.5

YEAR: 1992

| = 750'



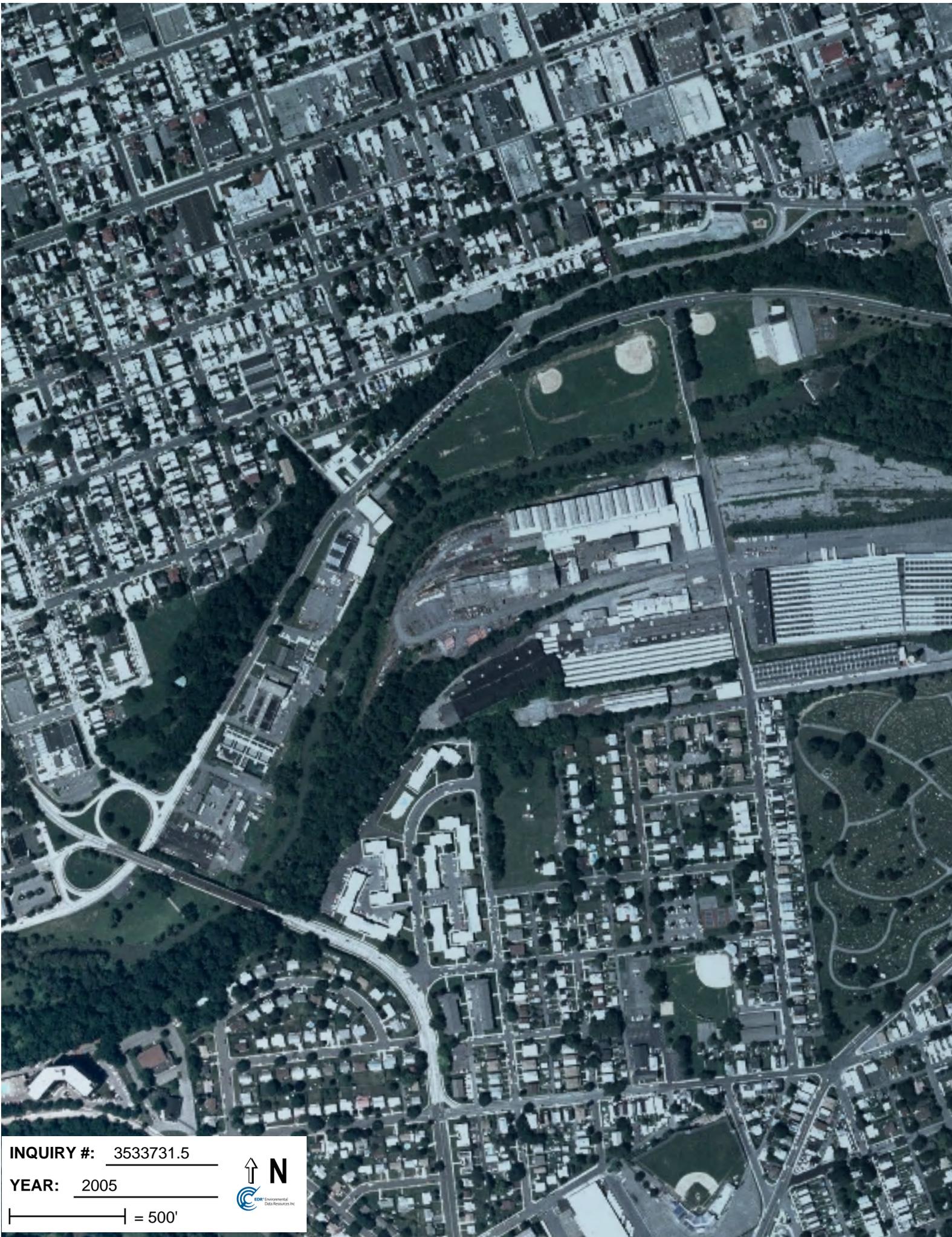


INQUIRY #: 3533731.5

YEAR: 1999

| = 500'





INQUIRY #: 3533731.5

YEAR: 2005

| = 500'





INQUIRY #: 3533731.5

YEAR: 2008

Scale: 500'





INQUIRY #: 3533731.5

YEAR: 2010

| = 500'





Allentown Metal Works

600 South Tenth Street
Allentown, PA 18103

Inquiry Number: 3533731.4

March 04, 2013

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Historical Topographic Map



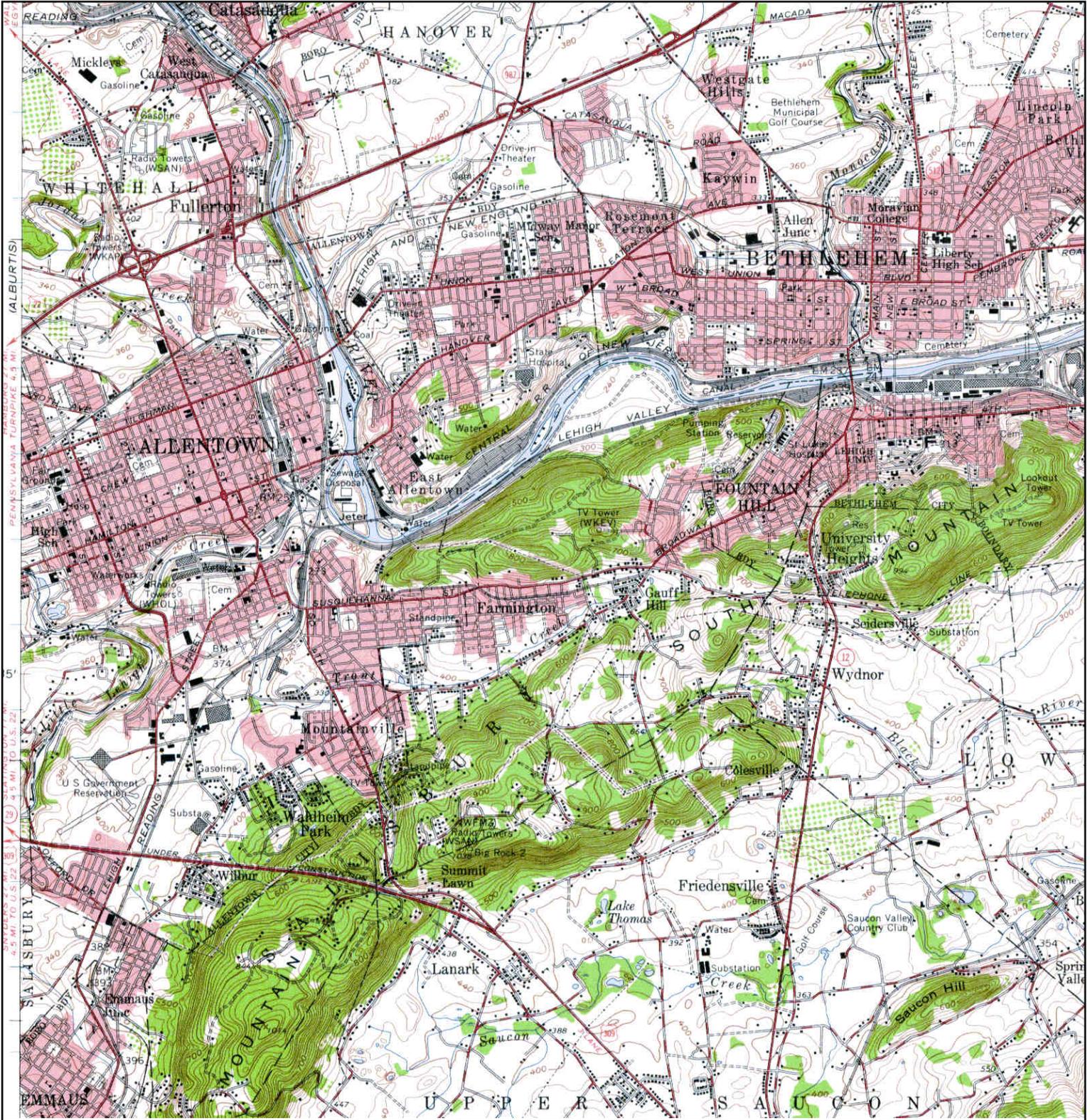
<p>N ↑</p>	<p>TARGET QUAD</p> <p>NAME: ALLENTOWN</p> <p>MAP YEAR: 1893</p>	<p>SITE NAME: Allentown Metal Works</p> <p>ADDRESS: 600 South Tenth Street Allentown, PA 18103</p> <p>LAT/LONG: 40.5953 / -75.4757</p>	<p>CLIENT: EarthRes</p> <p>CONTACT: Craig Sadowski</p> <p>INQUIRY#: 3533731.4</p> <p>RESEARCH DATE: 03/04/2013</p>
	<p>SERIES: 15</p> <p>SCALE: 1:62500</p>		

Historical Topographic Map



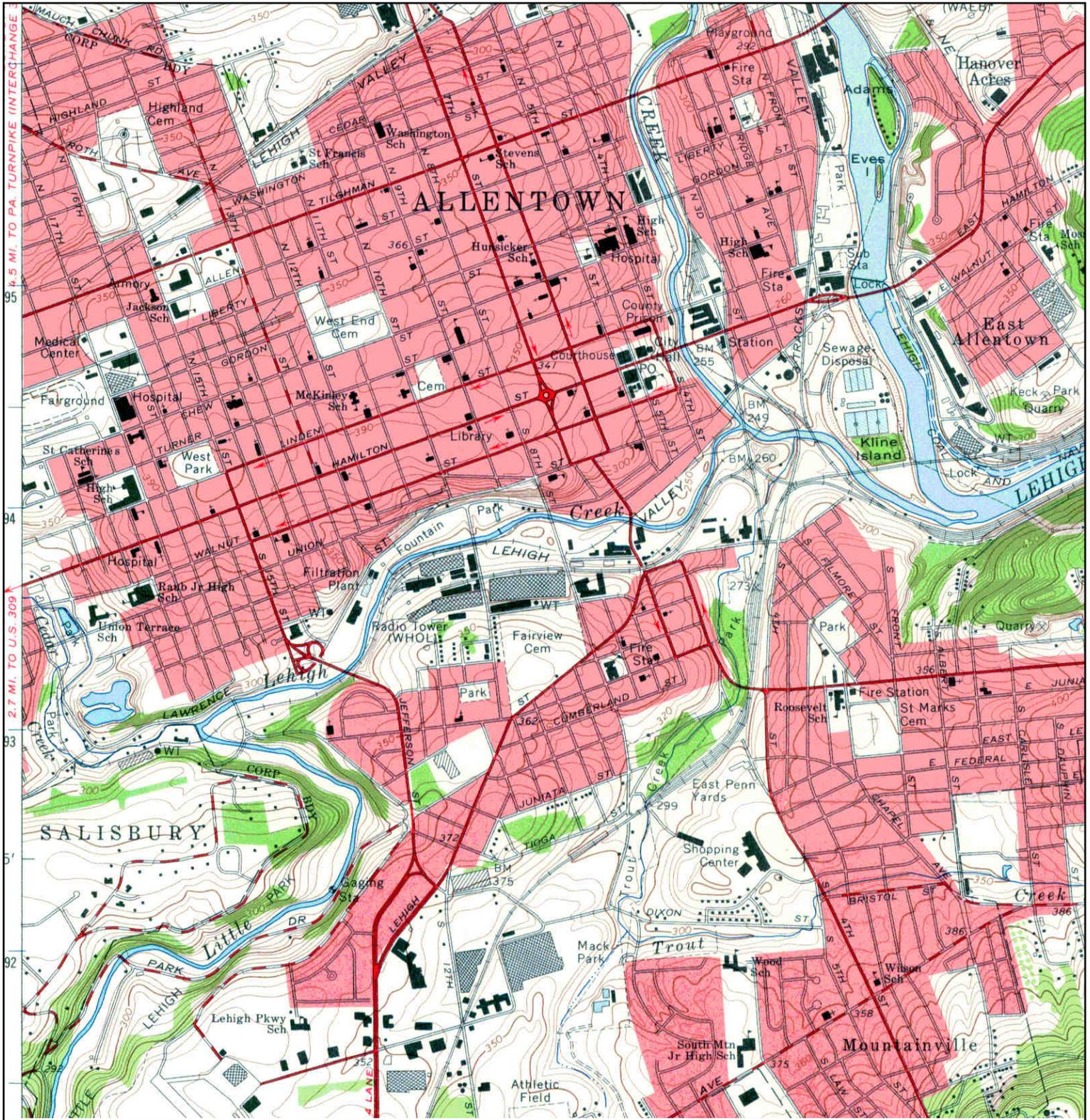
	TARGET QUAD	SITE NAME: Allentown Metal Works	CLIENT: EarthRes	
	NAME: ALLENTOWN	ADDRESS: 600 South Tenth Street	CONTACT: Craig Sadowski	
	MAP YEAR: 1947	LAT/LONG: 40.5953 / -75.4757	INQUIRY#: 3533731.4	RESEARCH DATE: 03/04/2013
	SERIES: 15			
	SCALE: 1:50000			

Historical Topographic Map



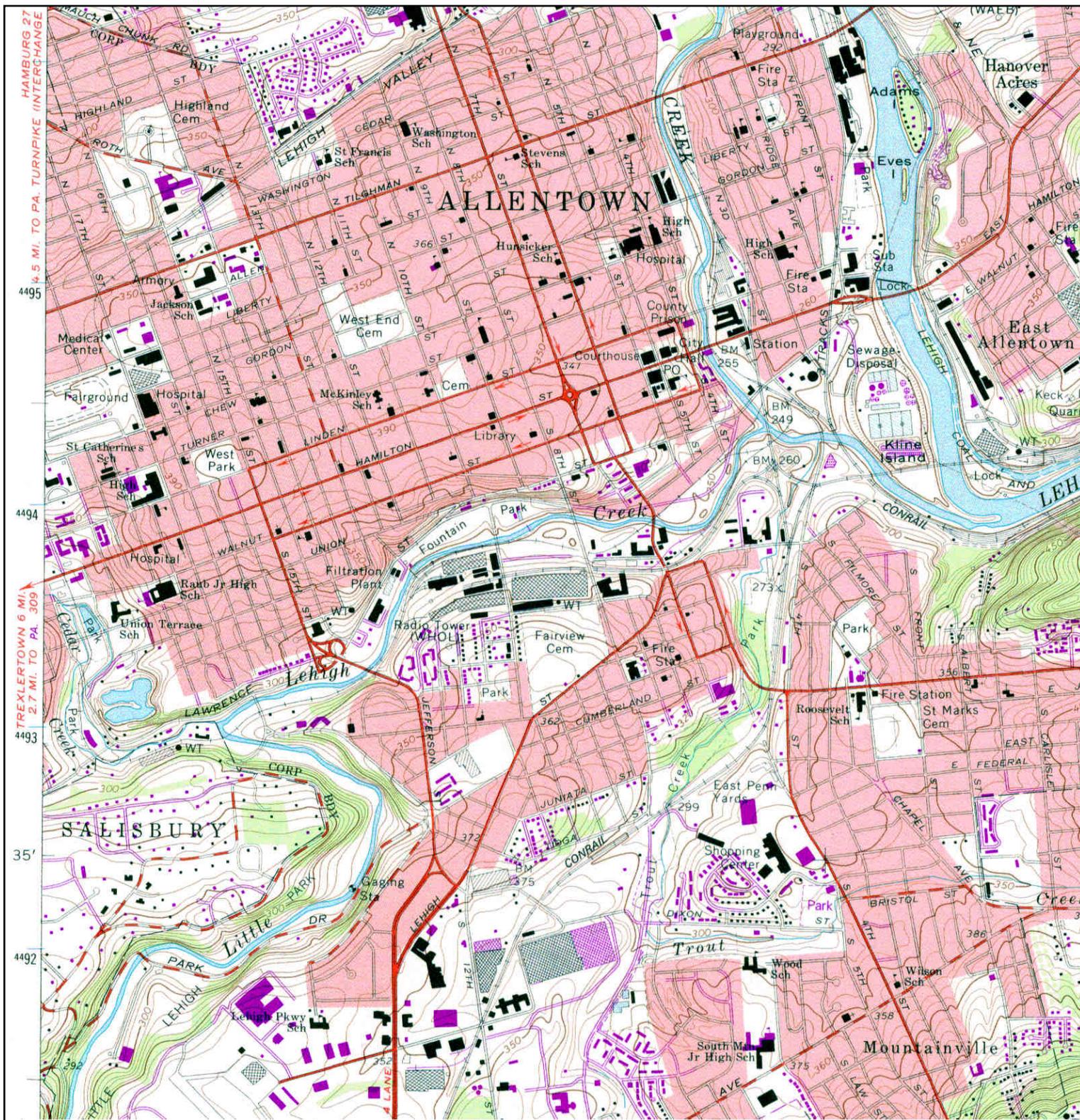
	TARGET QUAD	SITE NAME: Allentown Metal Works	CLIENT: EarthRes
	NAME: ALLENTOWN	ADDRESS: 600 South Tenth Street	CONTACT: Craig Sadowski
	MAP YEAR: 1957	Allentown, PA 18103	INQUIRY#: 3533731.4
	SERIES: 15	LAT/LONG: 40.5953 / -75.4757	RESEARCH DATE: 03/04/2013
	SCALE: 1:62500		

Historical Topographic Map



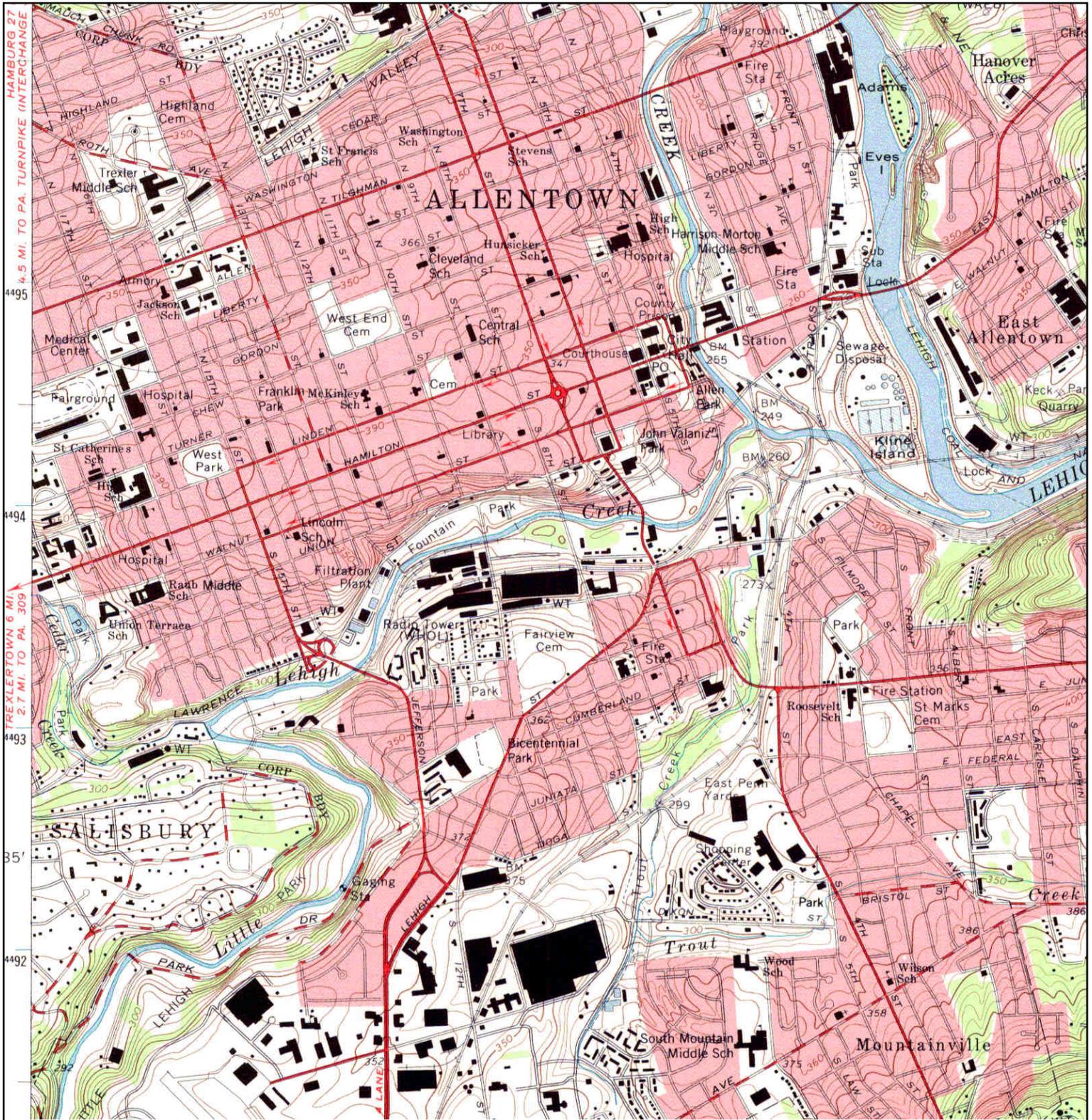
 N	TARGET QUAD	SITE NAME: Allentown Metal Works	CLIENT: EarthRes	
	NAME: ALLENTOWN EAST	ADDRESS: 600 South Tenth Street	CONTACT: Craig Sadowski	
	MAP YEAR: 1964	LAT/LONG: 40.5953 / -75.4757	INQUIRY#: 3533731.4	RESEARCH DATE: 03/04/2013
	SERIES: 7.5			
	SCALE: 1:24000			

Historical Topographic Map



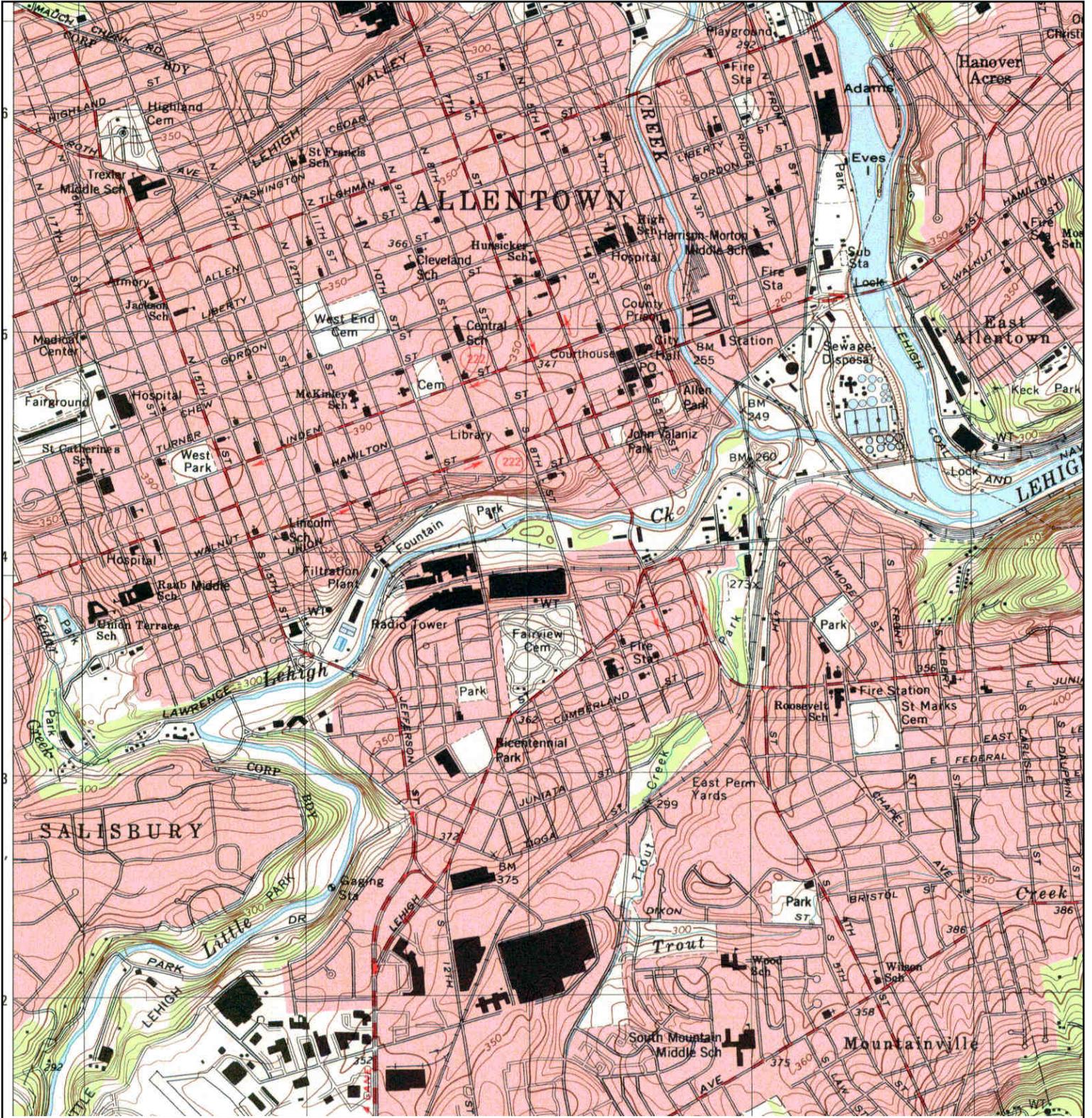
<p>N ↑</p>	TARGET QUAD	SITE NAME: Allentown Metal Works	CLIENT: EarthRes
	NAME: ALLENTOWN EAST	ADDRESS: 600 South Tenth Street	CONTACT: Craig Sadowski
	MAP YEAR: 1983	Allentown, PA 18103	INQUIRY#: 3533731.4
	PHOTOREVISED FROM :1964	LAT/LONG: 40.5953 / -75.4757	RESEARCH DATE: 03/04/2013
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME: Allentown Metal Works	CLIENT: EarthRes
	NAME: ALLENTOWN EAST	ADDRESS: 600 South Tenth Street	CONTACT: Craig Sadowski
	MAP YEAR: 1992	Allentown, PA 18103	INQUIRY#: 3533731.4
	REVISED FROM :1964	LAT/LONG: 40.5953 / -75.4757	RESEARCH DATE: 03/04/2013
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



<p>N</p> 	TARGET QUAD	SITE NAME: Allentown Metal Works	CLIENT: EarthRes
	NAME: ALLENTOWN EAST	ADDRESS: 600 South Tenth Street	CONTACT: Craig Sadowski
	MAP YEAR: 1999	Allentown, PA 18103	INQUIRY#: 3533731.4
	SERIES: 7.5	LAT/LONG: 40.5953 / -75.4757	RESEARCH DATE: 03/04/2013
	SCALE: 1:24000		

Appendix E
Summarized Analytical Results Tables

TABLE IA
Former Allentown Metal Works (AMW)
Summarized Soil Analytical Results

Parameter (mg/kg unless noted)	Field Identification:			P52-A	P53-A	P54-A	P58-A	P59-A	P60-A	P61-A	P63-A	P64-A	F DUP	
	Residential 0-15'	Non-Residential 0-2'	Non-Residential 2-15'	APEC:										
				APEC 01 (Containers and Drums of Unknown Substances)										
				Sample Depth:	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	P64-A
				Sample Date:	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014
Total Solids (%)				94.8%	98.3%	96.6%	93.0%	93.1%	90.6%	85.4%	78.0%	89.0%	91.7%	
Acetone	3,300	9,200	9,200	0.105	0.0918	0.0242	<0.741	<33.10	0.0483	0.122	0.149	0.0330	0.0486	
Benzene	0.5	0.5	0.5	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Bromomethane	1	1	1	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
2-Butanone	400	400	400	0.0368	0.0282	<0.0094	<0.741	<33.10	0.020	0.0301	0.0298	<0.110	0.0198	
Carbon Disulfide	150	620	620	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Chlorobenzene	10	10	10	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Cyclohexane	1,700	6,900	6,900	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
1,3-Dichlorobenzene	61	61	61	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
1,4-Dichlorobenzene	10	10	10	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
cis-1,2-Dichloroethene	7	7	7	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Ethylbenzene	70	70	70	<0.0026	<0.0019	<0.0019	<0.741	842	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Freon 113	10,000	10,000	10,000	<0.0026	0.0038	0.0435	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Isopropylbenzene	600	2,500	2,500	<0.0026	<0.0019	<0.0019	<0.741	17.8	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Methyl acetate	3,700	10,000	10,000	<0.0026	<0.0019	<0.0019	<0.148	<6.610	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Methyl cyclohexane	100	100	100	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Methylene Chloride	0.5	0.5	0.5	0.0038	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Tetrachloroethene	0.5	0.5	0.5	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	0.0150	0.0222	
Toluene	100	100	100	<0.0026	<0.0019	<0.0019	<0.741	27.6	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
1,1,1-Trichloroethane	20	20	20	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Trichloroethene	0.5	0.5	0.5	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	0.0147	<0.0028	<0.0022	<0.0022	
Vinyl Chloride	0.2	0.2	0.2	<0.0026	<0.0019	<0.0019	<0.741	<3.310	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Total Xylenes	1,000	1,000	1,000	<0.0026	<0.0019	<0.0019	<0.741	2,578	<0.0018	<0.0029	<0.0028	<0.0022	<0.0022	
Surrogate Recoveries														
1,2-Dichloroethane-d4 (S) (%)	N/A	N/A	N/A	110	109	111	156	107	109	104	96.3	110	107	
4-Bromofluorobenzene (S) (%)	N/A	N/A	N/A	115	109	109	114	222	111	118	114	114	119	
Dibromofluoromethane (S) (%)	N/A	N/A	N/A	99.5	101	102	140	111	99.8	103	93.7	102	102	
Toluene-d8 (S) (%)	N/A	N/A	N/A	104	105	103	149	79.9	103	108	101	106	104	
SEMI-VOLATILES														
Acenaphthene	2,700	4,700	4,700	<0.0522	<0.200	<0.205	<0.210	<0.0532	<0.0548	<0.230	<0.251	4.77	<0.0543	
Acenaphthylene	2,500	6,900	6,900	<0.0522	<0.200	<0.205	<0.210	<0.0532	<0.0548	<0.230	0.332	<2.800	<0.0543	
Anthracene	350	350	350	0.0846	<0.200	<0.205	<0.210	<0.0532	<0.0548	<0.230	0.309	12.500	<0.0543	
Benzo(a)anthracene	5.7	110	320	0.494	<0.200	1.220	<0.210	<0.0532	0.108	<0.230	0.804	76.300	0.490	
Benzo(b)fluoranthene	0.57	11	46	0.650	<0.200	1.750	<0.210	<2.660	0.183	<0.230	1.039	75.400	0.644	
Benzo(e,h,i)perylene	5.7	110	170	0.990	<0.200	3.730	<0.210	<0.0532	0.306	<0.230	4.120	113.000	1.070	
Benzo(k)fluoranthene	180	180	180	0.285	<0.200	0.829	<0.210	<2.660	0.0902	<0.230	0.503	47.200	0.299	
Carbazole	57	610	610	0.421	<0.200	1.430	<0.210	<2.660	0.104	<0.230	1.300	38.100	0.383	
Chrysene	21	83	83	<0.104	<0.400	<0.410	<0.420	<0.106	<0.110	<0.461	<0.503	11.500	<0.109	
Dibenz(a,h)anthracene	230	230	230	0.613	<0.200	1.810	<0.210	<0.0532	0.148	<0.230	1.670	89.900	0.641	
Dibenzofuran	0.57	11	160	<0.0522	<0.200	0.214	<0.210	<2.660	<0.0548	<0.230	<0.251	14.90	0.104	
bis(2-Ethylhexyl)phthalate	95	260	260	<0.104	<0.400	<0.410	<0.420	<0.106	<0.110	<0.461	<0.503	<5.600	<0.109	
Fluoranthene	130	130	130	<0.104	<0.400	<0.410	<0.420	<0.106	0.283	<0.461	<0.503	<5.600	<0.109	
Indeno(1,2,3-cd)pyrene	3,200	3,200	3,200	0.945	<0.200	4.190	<0.210	<0.0532	0.112	<0.230	4.010	180.000	0.771	
2-Methylnaphthalene	5.7	110	28,000	0.23	<0.200	0.810	<0.210	<2.660	0.0803	<0.230	0.573	55.700	0.294	
Naphthalene	600	1,600	1,600	<0.0522	<0.200	<0.205	0.292	<2.660	0.0762	<0.230	<0.251	<2.800	<0.0543	
Phenanthrene	25	25	25	<0.0522	<0.200	<0.205	<0.210	117.00	0.226	<0.230	<0.251	<2.800	<0.0543	
Pyrene	10,000	10,000	10,000	0.538	<0.200	0.703	<0.210	<0.0532	0.0707	<0.230	0.629	100.000	0.314	
Pyrene	2,200	2,200	2,200	2.210	0.336	2.030	<0.210	<0.0532	0.105	0.283	2.820	145.000	0.620	
SEMI-VOLATILES														
2,4,6-Tribromophenol (S) (%)	N/A	N/A	N/A	65.3	48	80.3	38.1	61.3	61.6	77.1	69.9	96.6	69.7	
2-Fluorobiphenyl (S) (%)	N/A	N/A	N/A	77.8	53.4	81.8	57.5	76.8	71.7	93	82.3	114	80.4	
2-Fluorophenol (S) (%)	N/A	N/A	N/A	70.7	55.1	70.2	43.8	49.6	57.4	93	73.4	96.1	67.4	
Nitrobenzene-d5 (S) (%)	N/A	N/A	N/A	79.9	50.9	70.3	38.6	106	66.1	70.9	89.9	77	77	
Phenol-d5 (S) (%)	N/A	N/A	N/A	68.7	54.5	71.3	49.1	60.7	58.2	87.5	74.9	95.4	69.7	
Terphenyl-d14 (S) (%)	N/A	N/A	N/A	166	88.7	57.1	97.1	95.4	69.8	177	83.9	135	81	
PCBs														
Aroclor-1248	9	40	62	<0.033	<0.031	<0.033	<0.035	<0.033	<0.036	<0.039	<0.042	<0.037	<0.036	
Aroclor-1254	4.4	40	260	<0.033	<0.031	<0.033	<0.035	<0.033	<0.036	<0.039	<0.042	<0.037	<0.036	
Aroclor-1260	9	40	590	0.098	<0.031	<0.033	<0.035	<0.033	<0.036	<0.039	0.15	<0.037	<0.036	
Surrogate Recoveries														
Decachlorobiphenyl (S) (%)	N/A	N/A	N/A	82.9	70.7	71.1	66.8	70.1	76.6	72.1	61.7	84.5	97.8	
Tetrachloro-m-xylene (S) (%)	N/A	N/A	N/A	73.1	66.6	68.4	65.9	78.1	92.9	78.4	71.0	88	101	
WET CHEMISTRY														
Moisture (%)	N/A	N/A	N/A	5.2	1.7	3.4	7.0	6.9	9.4	14.6	22.0	11.0	8.3	
Total Solids (%)	N/A	N/A	N/A	94.8	98.3	96.6	93.0	93.1	90.6	85.4	78.0	89.0	91.7	
METALS														
Arsenic, Total	12	29	29	12.3	<9.1	<10.2	6.9	12.9	<4.2	20.6	29.8	14.6	7.7	
Barium, Total	8,200	8,200	8,200	23.5	21.5	32.5	158.0	143.0	61.5	105.0	132.0	604.0	144.0	
Cadmium, Total	38	38	38	<1.1	<2.3	<2.5	2.9	2.4	1.2	1.8	1.4	3.3	<1.1	
Chromium, Total	190	190,000	190,000	21.3	8.3	17.0	93.4	80.4	29.8	51.5	33.7	11.0	15.8	
Lead, Total	450	450	450	43	27	77.0	489.0	583.0	461.0	452.0	281	307.0	237.0	
Mercury, Total	10	10	10	<0.053	<0.051	<0.045	0.13	0.055	<0.053	0.15	0.077	0.088	0.095	

Notes:
N/A: not available
-All results shown in milligrams per kilogram (mg/kg) unless otherwise noted
-BOLD - Parameter exceeds applicable Non-Residential MSC

TABLE 1C
Former Allentown Metal Works (AMW)
 Summarized Soil Analytical Results

Parameter (mg/kg unless noted)	Field Identification:			P13-A	P14-A	P15-A	P19-A
	Residential 0-15'	Non-Residential 0-2'	Non-Residential 2-15'	APEC: APEC-03 (Miscellaneous Trash and Other Debris)			
				Sample Depth:			
				Sample Date:			
			0-2' 1/10/2014	0-2' 1/10/2014	0-2' 1/10/2014	0-2' 1/10/2014	
Total Solids (%)				89.7%	88.1%	92.1%	81.3%
Acetone	3,300	9,200	9,200	0.0187	0.0479	0.0411	0.0077
Benzene	0.5	0.5	0.5	<0.0020	<0.0022	0.011	<0.0013
Bromomethane	1	1	1	<0.0020	<0.0022	<0.0021	<0.0013
2-Butanone	400	400	400	<0.0020	<0.0112	<0.0106	<0.0065
Carbon Disulfide	150	620	620	<0.0020	<0.0022	<0.0021	<0.0013
Chlorobenzene	10	10	10	<0.0020	<0.0022	<0.0021	<0.0013
Cyclohexane	1,700	6,900	6,900	<0.0020	<0.0022	<0.0021	<0.0013
1,3-Dichlorobenzene	61	61	61	<0.0020	<0.0022	<0.0021	<0.0013
1,4-Dichlorobenzene	10	10	10	<0.0020	<0.0022	<0.0021	<0.0013
cis-1,2-Dichloroethene	7	7	7	<0.0020	<0.0022	<0.0021	<0.0013
Ethylbenzene	70	70	70	<0.0020	<0.0022	<0.0021	<0.0013
Freon 113	10,000	10,000	10,000	<0.0020	<0.0022	<0.0021	<0.0013
Isopropylbenzene	600	2,500	2,500	<0.0020	<0.0022	<0.0021	<0.0013
Methyl acetate	3,700	10,000	10,000	<0.0020	<0.0022	<0.0021	<0.0013
Methyl cyclohexane	100	100	100	<0.0020	<0.0022	<0.0021	<0.0013
Methylene Chloride	0.5	0.5	0.5	0.0046	0.0034	<0.0021	<0.0013
Tetrachloroethene	0.5	0.5	0.5	<0.0020	<0.0022	<0.0021	0.0263
Toluene	100	100	100	<0.0020	<0.0022	<0.0021	<0.0013
1,1,1-Trichloroethane	20	20	20	<0.0020	0.0034	<0.0021	<0.0013
Trichloroethene	0.5	0.5	0.5	<0.0020	<0.0022	<0.0021	<0.0013
Vinyl Chloride	0.2	0.2	0.2	<0.0020	<0.0022	<0.0021	<0.0013
Total Xylenes	1,000	1,000	1,000	<0.0020	<0.0022	<0.0021	<0.0013
Surrogate Recoveries							
1,2-Dichloroethane-d4 (S) (%)	N/A	N/A	N/A	77.1	80.3	74.7	76.6
4-Bromofluorobenzene (S) (%)	N/A	N/A	N/A	91.5	92	94.6	93.3
Dibromofluoromethane (S) (%)	N/A	N/A	N/A	73.4	76.8	77.4	77.8
Toluene-d8 (S) (%)	N/A	N/A	N/A	79.1	81.2	83.7	82.5
SEMIVOLATILES							
Acenaphthene	2,700	4,700	4,700	<0.0543	<0.0560	<0.0533	<0.246
Acenaphthylene	2,500	6,900	6,900	<0.0543	<0.0560	<0.0533	<0.246
Anthracene	350	350	350	<0.0543	<0.0560	<0.0533	<0.246
Benzo(a)anthracene	5.7	110	320	<0.0543	<0.0560	0.15	<0.246
Benzo(a)pyrene	0.57	11	46	<0.0543	<0.0560	0.148	<0.246
Benzo(b)fluoranthene	5.7	110	170	<0.0543	0.0889	0.216	<0.246
Benzo(e,h,i)perylene	180	180	180	<0.0543	<0.0560	0.108	<0.246
Benzo(k)fluoranthene	57	610	610	<0.0543	<0.0560	0.0868	<0.246
Carbazole	21	83	83	<0.109	<0.112	<0.107	<0.492
Chrysene	230	230	230	<0.0543	0.0584	0.175	<0.246
Dibenzo(a,h)anthracene	0.57	11	160	<0.0543	<0.0560	<0.0533	<0.246
Dibenzofuran	95	260	260	<0.109	<0.112	<0.107	<0.492
bis(2-Ethylhexyl)phthalate	130	130	130	<0.019	<0.112	<0.107	<0.492
Fluoranthene	3,200	3,200	3,200	0.0813	0.0876	0.345	<0.246
Indeno (1,2,3-cd)pyrene	5.7	110	28,000	<0.0543	<0.0560	0.113	<0.246
2-Methylnaphthalene	600	1,600	1,600	<0.0543	<0.0560	<0.0533	<0.246
Naphthalene	25	25	25	<0.0543	<0.0560	<0.0533	<0.246
Phenanthrene	10,000	10,000	10,000	<0.0543	<0.0560	0.166	<0.246
Pyrene	2,200	2,200	2,200	0.0808	0.0941	0.324	<0.246
SEMIVOLATILES							
2,4,6-Tribromophenol (S) (%)	N/A	N/A	N/A	53	69.8	74.9	72.6
2-Fluorobiphenyl (S) (%)	N/A	N/A	N/A	74.7	80.1	78.8	72.8
2-Fluorophenol (S) (%)	N/A	N/A	N/A	71	76.3	79.4	74.7
Nitrobenzene-d5 (S) (%)	N/A	N/A	N/A	76.7	76.1	77.2	71.3
Phenol-d5 (S) (%)	N/A	N/A	N/A	75.8	79.4	80.4	75.2
Terphenyl-d14 (S) (%)	N/A	N/A	N/A	89.1	100	98.3	82.2
PCBs							
Aroclor-1248	9	40	62	<0.035	<0.035	<0.035	0.1
Aroclor-1254	4.4	40	260	<0.035	<0.035	<0.035	0.26
Aroclor-1260	9	40	590	<0.035	<0.035	<0.035	0.15
Surrogate Recoveries							
Decachlorobiphenyl (S) (%)	N/A	N/A	N/A	71.4	75.3	74.1	70.9
Tetrachloro-m-xylene (S) (%)	N/A	N/A	N/A	87	86.4	92.1	92.9
WET CHEMISTRY							
Moisture (%)	N/A	N/A	N/A	10.3	11.9	9.4	18.7
Total Solids (%)	N/A	N/A	N/A	89.7	88.1	92.1	81.3
METALS							
Arsenic, Total	12	29	29	<10.5	<10.9	<22.1	5.9
Barium, Total	8,200	8,200	8,200	12.5	16.3	68.8	49.1
Cadmium, Total	38	38	38	<2.6	<2.7	<5.5	1.5
Chromium, Total	190	190,000	190,000	<5.3	10.6	<11.0	11.3
Lead, Total	450	450	450	<10.5	33.1	<22.1	148
Mercury, Total	10	10	10	<0.055	<0.048	<0.049	0.11

Notes:
 N/A: not available
 -All results shown in milligrams per kilogram (mg/kg) unless otherwise noted
-BOLD - Parameter exceeds applicable Non-Residential MSC

TABLE ID
Former Allentown Metal Works (AMW)
Summarized Soil Analytical Results

Parameter (mg/kg unless noted)	Field Identification:			P4-A	P4-B	P5-A
	Residential 0-15'	Non-Residential 0-2'	Non-Residential 2-15'	APEC:		
				APEC-04 (AST)		
				Sample Depth: 0-2'	3.83-4'	0-2'
Sample Date:				1/9/2014	1/9/2014	1/9/2014
Total Solids (%)				83.3%	71.9%	80.8%
Acetone	3,300	9,200	9,200	0.0223	0.0222	0.107
Benzene	0.5	0.5	0.5	<0.0022	<0.0027	<0.0049
Bromomethane	1	1	1	<0.0022	<0.0027	<0.0049
2-Butanone	400	400	400	<0.0111	<0.0136	<0.0243
Carbon Disulfide	150	620	620	<0.0022	0.0061	<0.0049
Chlorobenzene	10	10	10	<0.0022	<0.0027	<0.0049
Cyclohexane	1,700	6,900	6,900	<0.0022	<0.0027	<0.0049
1,3-Dichlorobenzene	61	61	61	<0.0022	<0.0027	<0.0049
1,4-Dichlorobenzene	10	10	10	<0.0022	<0.0027	<0.0049
cis-1,2-Dichloroethene	7	7	7	<0.0022	<0.0027	<0.0049
Ethylbenzene	70	70	70	<0.0022	<0.0027	<0.0049
Freon 113	10,000	10,000	10,000	<0.0022	<0.0027	<0.0049
Isopropylbenzene	600	2,500	2,500	<0.0022	0.0098	<0.0049
Methyl acetate	3,700	10,000	10,000	<0.0022	<0.0027	<0.0049
Methyl cyclohexane	100	100	100	<0.0022	0.0337	<0.0049
Methylene Chloride	0.5	0.5	0.5	0.0046	0.0048	0.0117
Tetrachloroethene	0.5	0.5	0.5	<0.0022	<0.0027	<0.0049
Toluene	100	100	100	<0.0022	<0.0027	<0.0049
1,1,1-Trichloroethane	20	20	20	<0.0022	<0.0027	<0.0049
Trichloroethene	0.5	0.5	0.5	<0.0022	<0.0027	<0.0049
Vinyl Chloride	0.2	0.2	0.2	<0.0022	<0.0027	<0.0049
Total Xylenes	1,000	1,000	1,000	<0.0022	<0.0027	<0.0049
Surrogate Recoveries						
1,2-Dichloroethane-d4 (S) (%)	N/A	N/A	N/A	104	102	102
4-Bromofluorobenzene (S) (%)	N/A	N/A	N/A	127	77.8	91
Dibromofluoromethane (S) (%)	N/A	N/A	N/A	105	102	105
Toluene-d8 (S) (%)	N/A	N/A	N/A	111	88.1	109
SEMIVOLATILES						
Acenaphthene	2,700	4,700	4,700	<0.0589	0.626	<0.612
Acenaphthylene	2,500	6,900	6,900	<0.0589	<0.0691	1.44
Anthracene	350	350	350	<0.0589	0.397	<0.612
Benzo(a)anthracene	5.7	110	320	<0.0589	0.0818	<0.612
Benzo(a)pyrene	0.57	11	46	<0.0589	<0.0691	<0.612
Benzo(b)fluoranthene	5.7	110	170	<0.0589	0.0825	<0.612
Benzo(g,h,i)perylene	180	180	180	<0.0589	<0.0691	<0.612
Benzo(k)fluoranthene	57	610	610	<0.0589	<0.0691	<0.612
Carbazole	21	83	83	<0.115	<0.116	<1.220
Chrysene	230	230	230	<0.0589	<0.0691	<0.612
Dibenzo(a,h)anthracene	0.57	11	160	<0.0589	<0.0691	<0.612
Dibenzofuran	95	260	260	<0.118	0.797	<1.220
bis(2-Ethylhexyl)phthalate	130	130	130	<0.118	0.169	<1.220
Fluoranthene	3,200	3,200	3,200	<0.0589	<0.0691	<0.612
Indeno (1,2,3-cd)pyrene	5.7	110	28,000	<0.0589	<0.0691	<0.612
2-Methylnaphthalene	600	1,600	1,600	<0.0589	0.0783	3.57
Naphthalene	25	25	25	<0.0589	0.145	0.0077
Phenanthrene	10,000	10,000	10,000	<0.0589	2.55	1.89
Pyrene	2,200	2,200	2,200	<0.0589	0.335	2.2
SEMIVOLATILES						
2,4,6-Tribromophenol (S) (%)	N/A	N/A	N/A	86.6	85.3	90.4
2-Fluorobiphenyl (S) (%)	N/A	N/A	N/A	81.8	71.4	83.5
2-Fluorophenol (S) (%)	N/A	N/A	N/A	78.9	75.5	80.5
Nitrobenzene-d5 (S) (%)	N/A	N/A	N/A	77	71.3	74.7
Phenol-d5 (S) (%)	N/A	N/A	N/A	80.4	77.3	82.1
Terphenyl-d14 (S) (%)	N/A	N/A	N/A	98.6	87.6	98.3
PCBs						
Aroclor-1248	9	40	62	<0.040	<0.046	<0.040
Aroclor-1254	4.4	40	260	<0.040	<0.046	<0.040
Aroclor-1260	9	40	590	<0.040	<0.046	<0.040
Surrogate Recoveries						
Decachlorobiphenyl (S) (%)	N/A	N/A	N/A	63.4	63.1	56.3
Tetrachloro-m-xylene (S) (%)	N/A	N/A	N/A	72.4	73.1	70.3
WET CHEMISTRY						
Moisture (%)	N/A	N/A	N/A	16.7	28.1	19.2
Total Solids (%)	N/A	N/A	N/A	83.3	71.9	80.8
METALS						
Arsenic, Total	12	29	29	<4.8	181	6.4
Barium, Total	8,200	8,200	8,200	149	33.1	98.7
Cadmium, Total	38	38	38	<1.2	<3.3	<0.55
Chromium, Total	190	190,000	190,000	143	33.6	14.5
Lead, Total	450	450	450	296	24	129
Mercury, Total	10	10	10	<0.058	<0.063	0.091

Notes:
N/A: not available
-All results shown in milligrams per kilogram (mg/kg) unless otherwise noted
-**BOLD** - Parameter exceeds applicable Non-Residential MSC

TABLE IE
Former Allentown Metal Works (AMW)
Summarized Soil Analytical Results

Parameter (mg/kg unless noted)	Field Identification:				P55-A	F-DUP 2	P65-A	P66-A
	APEC:				APEC-05 (Transformers)			
	Sample Depth:				0-2'	P55-A	0-2'	0-2'
	Sample Date:				4/9/2014	4/9/2014	4/9/2014	4/9/2014
	Residential 0-15'	Non-Residential 0-2'	Non-Residential 2-15'					
Total Solids (%)				85.0%	82.1%	85.1%	89.2%	
Acetone	3,300	9,200	9,200	N/A	N/A	N/A	N/A	
Benzene	0.5	0.5	0.5	N/A	N/A	N/A	N/A	
Bromomethane	1	1	1	N/A	N/A	N/A	N/A	
2-Butanone	400	400	400	N/A	N/A	N/A	N/A	
Carbon Disulfide	150	620	620	N/A	N/A	N/A	N/A	
Chlorobenzene	10	10	10	N/A	N/A	N/A	N/A	
Cyclohexane	1,700	6,900	6,900	N/A	N/A	N/A	N/A	
1,3-Dichlorobenzene	61	61	61	N/A	N/A	N/A	N/A	
1,4-Dichlorobenzene	10	10	10	N/A	N/A	N/A	N/A	
cis-1,2-Dichloroethene	7	7	7	N/A	N/A	N/A	N/A	
Ethylbenzene	70	70	70	N/A	N/A	N/A	N/A	
Freon 113	10,000	10,000	10,000	N/A	N/A	N/A	N/A	
Isopropylbenzene	600	2,500	2,500	N/A	N/A	N/A	N/A	
Methyl acetate	3,700	10,000	10,000	N/A	N/A	N/A	N/A	
Methyl cyclohexane	100	100	100	N/A	N/A	N/A	N/A	
Methylene Chloride	0.5	0.5	0.5	N/A	N/A	N/A	N/A	
Tetrachloroethene	0.5	0.5	0.5	N/A	N/A	N/A	N/A	
Toluene	100	100	100	N/A	N/A	N/A	N/A	
1,1,1-Trichloroethane	20	20	20	N/A	N/A	N/A	N/A	
Trichloroethene	0.5	0.5	0.5	N/A	N/A	N/A	N/A	
Vinyl Chloride	0.2	0.2	0.2	N/A	N/A	N/A	N/A	
Total Xylenes	1,000	1,000	1,000	N/A	N/A	N/A	N/A	
Surrogate Recoveries								
1,2-Dichloroethane-d4 (S) (%)	N/A	N/A	N/A	106	N/A	N/A	N/A	
4-Bromofluorobenzene (S) (%)	N/A	N/A	N/A	180	N/A	N/A	N/A	
Dibromofluoromethane (S) (%)	N/A	N/A	N/A	101	N/A	N/A	N/A	
Toluene-d8 (S) (%)	N/A	N/A	N/A	111	N/A	N/A	N/A	
SEMIVOLATILES								
Acenaphthene	2,700	4,700	4,700	N/A	N/A	N/A	N/A	
Acenaphthylene	2,500	6,900	6,900	N/A	N/A	N/A	N/A	
Anthracene	350	350	350	N/A	N/A	N/A	N/A	
Benzo(a)anthracene	5.7	110	320	N/A	N/A	N/A	N/A	
Benzo(a)pyrene	0.57	11	46	N/A	N/A	N/A	N/A	
Benzo(b)fluoranthene	5.7	110	170	N/A	N/A	N/A	N/A	
Benzo(g,h,i)perylene	180	180	180	N/A	N/A	N/A	N/A	
Benzo(k)fluoranthene	57	610	610	N/A	N/A	N/A	N/A	
Carbazole	21	83	83	N/A	N/A	N/A	N/A	
Chrysene	230	230	230	N/A	N/A	N/A	N/A	
Dibenzo(a,h)anthracene	0.57	11	160	N/A	N/A	N/A	N/A	
Dibenzofuran	95	260	260	N/A	N/A	N/A	N/A	
bis(2-Ethylhexyl)phthalate	130	130	130	N/A	N/A	N/A	N/A	
Fluoranthene	3,200	3,200	3,200	N/A	N/A	N/A	N/A	
Indeno (1,2,3-cd)pyrene	5.7	110	28,000	N/A	N/A	N/A	N/A	
2-Methylnaphthalene	600	1,600	1,600	N/A	N/A	N/A	N/A	
Naphthalene	25	25	25	N/A	N/A	N/A	N/A	
Phenanthrene	10,000	10,000	10,000	N/A	N/A	N/A	N/A	
Pyrene	2,200	2,200	2,200	N/A	N/A	N/A	N/A	
SEMIVOLATILES								
2,4,6-Tribromophenol (S) (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2-Fluorobiphenyl (S) (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2-Fluorophenol (S) (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Nitrobenzene-d5 (S) (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Phenol-d5 (S) (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Terphenyl-d14 (S) (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
PCBs								
Aroclor-1248	9	40	62	<0.037	<0.040	<0.037	<0.037	
Aroclor-1254	4.4	40	260	<0.037	<0.040	<0.037	<0.037	
Aroclor-1260	9	40	590	<0.037	<0.040	0.45	1.5	
Surrogate Recoveries								
Decachlorobiphenyl (S) (%)	N/A	N/A	N/A	74	81	98.7	92.2	
Tetrachloro-m-xylene (S) (%)	N/A	N/A	N/A	71.9	85.6	102	103	
WET CHEMISTRY								
Moisture (%)	N/A	N/A	N/A	15.0	17.9	14.9	10.8	
Total Solids (%)	N/A	N/A	N/A	85.0	82.1	85.1	89.2	
METALS								
Arsenic, Total	12	29	29	N/A	N/A	N/A	N/A	
Barium, Total	8,200	8,200	8,200	N/A	N/A	N/A	N/A	
Cadmium, Total	38	38	38	N/A	N/A	N/A	N/A	
Chromium, Total	190	190,000	190,000	N/A	N/A	N/A	N/A	
Lead, Total	450	450	450	N/A	N/A	N/A	N/A	
Mercury, Total	10	10	10	N/A	N/A	N/A	N/A	

Notes:
N/A: not available
-All results shown in milligrams per kilogram (mg/kg) unless otherwise noted
-**BOLD** - Parameter exceeds applicable Non-Residential MSC

TABLE 1F
Former Allentown Metal Works (AMW)
Summarized Soil Analytical Results

Parameter (mg/kg unless noted)	Field Identification:			P6-A	P6-(A)	P6-(B)	P6-(C)	P6-(D)	DUP-1	P7-A	P8-A	P9-A	P10-A	P11-A	P12-A	P24-A	P27-A	P28-A	P29-A	P29-A	P30-A	P31-A	P32-A	P50-A	P51-A	P56-A	P62-A			
	Residential 0-15'	Non-Residential 0-2'	Non-Residential 2-15'	0-2'	0-6'	0-6'	0-6'	0-6'	P-6B	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'	5.5-6'	0-2'	0-2'	0-2'	0-2'	0-2'	0-2'			
	Sample Date:	Sample Date:	Sample Date:	1/9/2014	4/9/2014	4/9/2014	4/9/2014	4/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014		
Total Solids (%)	90.7%	94.0%	94.8%	95.4%	96.1%	77.5%	95.4%	94.2%	91.9%	80.2%	94.9%	1187.1%	86.6%	88.1%	90.2%	94.3%	75.7%	85.4%	85.9%	84.2%	55.7%	80.8%	88.3%	83.1%						
Acetone	3,300	9,200	9,200	<0.0105	N/A	N/A	N/A	N/A	<0.0115	0.216	0.0166	0.0342	0.162	0.350	0.0178	0.0253	0.365	0.0566	0.0163	<0.0124	0.123	0.261	<0.0169	<2.350	<0.0114	0.0770	<0.529			
Benzene	0.5	0.5	0.5	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	0.0028	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	0.0172			
Bromomethane	1	1	1	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	0.107	0.265	<0.0023	<0.0020	<0.0021			
2-Butanone	400	400	400	<0.0105	N/A	N/A	N/A	N/A	<0.0115	<0.0127	<0.0128	<0.0092	<0.0128	<0.0035	<0.0020	<0.0019	<0.0119	0.0126	<0.0090	<0.0099	<0.0124	0.0231	0.0247	<0.0169	<2.350	<0.0114	0.0727	0.0891		
Carbon Disulfide	150	620	620	<0.0021	N/A	N/A	N/A	N/A	0.0086	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	0.0029	<0.0020	<0.0025	0.0024	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021		
Chlorobenzene	10	10	10	<0.0021	N/A	N/A	N/A	N/A	<0.0022	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
Cyclohexane	1,700	6,900	6,900	<0.0021	N/A	N/A	N/A	N/A	0.0755	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	0.0056			
1,3-Dichlorobenzene	61	61	61	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
1,4-Dichlorobenzene	10	10	10	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
cis-1,2-Dichloroethene	7	7	7	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	0.0028	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
Ethylbenzene	<0.0021	N/A	N/A	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	1.75	<0.0053	<0.0023	<0.0020	0.0088			
Hexo 113	10,000	10,000	10,000	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
Isopropylbenzene	600	2,500	2,500	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	0.0907	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
Methyl acetate	3,700	10,000	10,000	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	0.213	0.759	<0.0023	<0.0020	0.0021			
Methyl cyclohexane	100	100	100	<0.0021	N/A	N/A	N/A	N/A	0.173	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	7.060	<0.0022	<0.0020	0.1740	<0.0053	<0.0023	<0.0020	0.0376			
Methylene Chloride	0.5	0.5	0.5	0.0058	N/A	N/A	N/A	N/A	0.0159	0.0081	0.006	0.0053	0.0139	0.0036	0.0120	0.0101	0.0026	0.00280	0.0027	<0.0025	0.0052	0.0037	<0.0034	0.01680	0.00470	0.0028	0.00580			
Tetrachloroethene	0.5	0.5	0.5	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	0.0070	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
Toluene	100	100	100	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	0.0037			
1,1,1-Trichloroethane	20	20	20	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
Trichloroethene	0.5	0.5	0.5	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
Vinyl Chloride	0.2	0.2	0.2	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	<0.0021			
Total Xylenes	1,000	1,000	1,000	<0.0021	N/A	N/A	N/A	N/A	<0.0023	<0.0025	<0.0018	<0.0026	<0.0035	<0.0020	<0.0019	<0.0024	<0.0023	<0.0018	<0.0020	<0.0025	<0.0022	<0.0020	<0.0034	<0.0053	<0.0023	<0.0020	0.0465			
Surrogate Recoveries																														
1,2-Dichloroethane-d4 (S) (%)	N/A	N/A	N/A	74.1	N/A	N/A	N/A	N/A	82.2	77.5	77.5	77	76.7	75.3	76.7	76	78.9	77.1	78.2	119	77.1	76	71.8	89.2	73.6	107	131			
4-Bromofluorobenzene (S) (%)	N/A	N/A	N/A	98.1	N/A	N/A	N/A	N/A	79.6	96.1	109	112	97.7	92	91.1	95.6	102	101	90.5	109	127.0	95.9	99.2	93.3	95.1	113	198			
Dibromofluorobenzene (S) (%)	N/A	N/A	N/A	77	N/A	N/A	N/A	N/A	75.8	77.4	76.1	78.5	79.2	76.5	78	77.7	79.4	78.8	77.2	63.1	81.2	78.9	79.3	89.4	76.4	101	69.6			
Toluene-d8 (S) (%)	N/A	N/A	N/A	83	N/A	N/A	N/A	N/A	80.2	82.1	82.2	86.5	84.5	80.8	80.1	82.7	81.4	79.8	78.7	72.9	82.7	80.5	80.8	108	79.4	106	125			
SEMIVOLATILES																														
Acenaphthene	2,700	4,700	4,700	<0.0549	N/A	N/A	N/A	N/A	<0.0622	<0.0512	<0.0505	<0.0537	<0.0622	<0.0518	<0.0510	<0.0563	<0.0557	<0.0538	<0.0523	<0.0651	<0.0584	<0.0577	<0.0588	<0.0891	<0.0611	<0.550	<0.234			
Acenaphthylene	2,500	6,900	6,900	<0.0549	N/A	N/A	N/A	N/A	<0.0622	<0.0512	<0.0505	<0.0537	<0.0622	<0.0518	0.0747	<0.0563	<0.0557	<0.0538	<0.0523	<0.0651	<0.0584	<0.0577	<0.0588	<0.0891	<0.0611	<0.550	<0.234			
Anthracene	350	350	350	<0.0549	N/A	N/A	N/A	N/A	<0.0622	<0.0512	<0.0505	<0.0537	<0.0622	<0.0518	<0.0510	0.0963	0.125	<0.0538	<0.0523	<0.0651	<0.0584	<0.0577	<0.0588	0.211	<0.0611	<0.550	<0.234			
Benzo(a)anthracene	5.7	110	320	<0.0549	N/A	N/A	N/A	N/A	<0.0622	<0.0512	<0.0505	<0.0537	<0.0622	<0.0518	0.194	0.485	0.573	<0.0538	<0.0523	<0.0651	0.111	0.211	0.0881	1.01	<0.0611	<0.550	<0.234			
Benzo(a)pyrene	0.57	11	46	<0.0549	N/A	N/A	N/A	N/A	<0.0622	<0.0512	<0.0505	<0.0537	<0.0622	<0.0518	0.232	0.457	0.477	<0.0538	<0.0523	<0.0651	0.132	0.266	0.117	1.19	<0.0611	<0.550	<0.234			
Benzo(b)fluoranthene	5.7	110	20	<0.0549	N/A	N/A	N/A	N/A	<0.0622	<0.0512	<0.0505	<0.0537	<0.0622	<0.0518	0.411	0.693	0.934	<0.0538	<0.0523	<0.0651	0.193	0.								

TABLE 1G
Former Allentown Metal Works (AMW)
Summarized Soil Analytical Results

Parameter (mg/kg unless noted)	Field Identification: APEC: Sample Depth: Sample Date:			P4-C	P6-B	P24-B	P27-B	P27-C	P28-B	P29-A	P30-B	P31-B	P47-B	P48-B	P49-B	P50-B	P51-B	P57-A
	Residential 0-15'	Non-Residential 0-2'	Non-Residential 2-15'	9.5-10'	7.5-8'	11.5-12'	6.5-7'	11-12'	3-3.5'	APEC 07 (Various Pits and Sumps)			11.5-12'	14.5-15'	10-10.5'	14.5-15'	14.5-15'	8-8.5'
				1/9/2014	1/9/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/13/2014	1/14/2014	1/14/2014	1/14/2014
Total Solids (%)				90.7%	76.7%	76.1%	84.3%	83.6%	81.0%	75.7%	76.4%	76.4%	76.8%	77.1%	96.1%	67.1%	80.7%	85.6%
Acetone	3,300	9,200	9,200	0.0173	<0.011	<0.872	0.0368	0.103	0.123	<0.0124	0.0282	0.0215	0.0265	<0.0184	<0.0095	0.0677	0.0210	<0.477
Benzene	0.5	0.5	0.5	<0.0020	0.005	0.100	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0033	<0.0022	<0.0477
Bromomethane	1	1	1	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0033	<0.0022	<0.0477
2-Butanone	400	400	400	<0.0101	<0.011	<0.872	<0.0117	0.0136	<0.0128	<0.0124	<0.0130	<0.0111	<0.0139	<0.0184	<0.0095	<0.0166	<0.0111	<0.477
Carbon Disulfide	150	620	620	<0.0020	0.0042	<0.872	<0.0023	0.0046	<0.0026	<0.0025	0.0064	<0.0022	<0.0028	<0.0037	<0.0019	<0.0033	0.0035	<0.0477
Chlorobenzene	10	10	10	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Cyclohexane	1,700	6,900	6,900	<0.0020	0.0696	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
1,3-Dichlorobenzene	61	61	61	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
1,4-Dichlorobenzene	10	10	10	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
cis-1,2-Dichloroethene	7	7	7	<0.0020	0.020	0.630	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Ethylbenzene	70	70	70	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Fresn 113	10,000	10,000	10,000	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Isopropylbenzene	600	2,500	2,500	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	0.0907	<0.0026	<0.0022	0.186	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Methyl acetate	3,700	10,000	10,000	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Methyl cyclohexane	100	100	100	<0.0020	0.0879	0.134	<0.0023	<0.0027	<0.0026	7.060	<0.0026	0.0059	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Methylene Chloride	0.5	0.5	0.5	0.0031	0.0085	0.0983	0.0050	0.0046	0.0650	0.0129	0.0041	0.0051	0.0061	0.0046	0.0103	0.0260	0.0260	<0.0477
Tetrachloroethene	0.5	0.5	0.5	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Toluene	100	100	100	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
1,1,1-Trichloroethane	20	20	20	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Trichloroethene	0.5	0.5	0.5	<0.0020	<0.0022	0.164	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Vinyl Chloride	0.2	0.2	0.2	<0.0020	0.0133	0.186	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0477
Total Xylenes	1,000	1,000	1,000	<0.0020	<0.0022	<0.872	<0.0023	<0.0027	<0.0026	<0.0025	<0.0026	<0.0022	<0.0028	<0.0037	<0.0019	<0.0030	<0.0022	<0.0955
Surrogate Recoveries																		
1,2-Dichloroethane-d4 (S) (%)	N/A	N/A	N/A	101	77.9	72	77.2	75.4	77.4	119	70.1	74.9	74.2	74.3	74.8	67.2	73.8	103
4-Bromofluorobenzene (S) (%)	N/A	N/A	N/A	126	94.9	83.7	95.5	118	101	109	70.4	71.3	93.5	91.9	90.2	84.8	94.5	84.9
Dibromofluoromethane (S) (%)	N/A	N/A	N/A	106	79	83.6	79.5	77.6	79.9	63.1	77.2	79.4	78.3	77.7	75.8	70.8	78.9	101
Toluene-d8 (S) (%)	N/A	N/A	N/A	113	82.2	89.9	79.7	73	82.3	72.9	64.0	76.1	80.6	80.2	79.6	75.6	79.9	98.1
SEMIVOLATILES																		
Acenaphthene	2,700	4,700	4,700	<0.0549	<0.0652	<0.0649	<0.0583	<0.0594	<0.0609	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Acenaphthylene	2,500	6,900	6,900	<0.0549	<0.0652	<0.0649	<0.0583	<0.0594	0.0642	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Anthracene	350	350	350	<0.0549	<0.0652	<0.0649	<0.0583	<0.0594	<0.0609	<0.0651	<0.0648	0.148	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Benzo(a)anthracene	5.7	110	320	<0.0549	<0.0652	<0.0649	<0.0583	0.367	0.258	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Benzo(a)pyrene	0.57	11	46	<0.0549	<0.0652	<0.0649	<0.0583	<0.0594	0.315	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Benzo(b)fluoranthene	5.7	110	170	<0.0549	<0.0652	<0.0649	0.125	1.06	0.517	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Benzo(g,h,i)perylene	180	180	180	<0.0549	<0.0652	<0.0649	0.0703	0.450	0.247	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Benzo(k)fluoranthene	57	610	610	<0.0549	<0.0652	<0.0649	<0.0583	0.0594	0.180	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Carbazole	21	83	83	<0.110	<0.130	<0.130	<0.117	<0.119	<0.122	<0.130	<0.130	<0.128	<0.130	<0.124	<0.103	<0.147	<0.121	N/A
Chrysene	230	230	230	<0.0549	<0.0652	<0.0649	0.0761	0.565	0.339	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Dibenzo(a,h)anthracene	0.57	11	160	<0.0549	<0.0652	<0.0649	<0.0583	0.138	0.070	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Dibenzofuran	95	260	260	<0.110	<0.130	<0.130	<0.117	<0.119	<0.122	<0.130	<0.130	<0.128	<0.130	<0.124	<0.103	<0.147	<0.121	N/A
bis(2-Ethylhexyl)phthalate	130	130	130	<0.110	<0.130	<0.130	<0.117	<0.119	<0.122	0.225	<0.130	<0.128	<0.130	<0.124	<0.103	<0.147	<0.121	N/A
Fluoranthene	3,200	3,200	3,200	<0.0549	<0.0652	<0.0649	0.0642	0.372	0.368	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Indeno(1,2,3-cd)pyrene	5.7	110	28,000	<0.0549	<0.0652	<0.0649	0.0681	0.470	0.255	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
2-Methylnaphthalene	600	1,600	1,600	<0.0549	<0.0652	<0.0649	<0.0583	<0.0594	<0.0609	0.588	<0.0648	0.481	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Naphthalene	25	25	25	<0.0549	<0.0652	<0.0649	<0.0583	<0.0594	<0.0609	<0.0651	<0.0648	<0.0639	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Phenanthrene	10,000	10,000	10,000	<0.0549	<0.0652	<0.0649	<0.0583	0.116	0.171	0.206	<0.0648	0.968	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
Pyrene	2,200	2,200	2,200	<0.0549	<0.0652	0.181	0.0632	0.393	0.358	0.0798	0.133	0.199	<0.0649	<0.0622	<0.0515	<0.0733	<0.0607	N/A
SEMIVOLATILES																		
2,4,6-Tribromophenol (S) (%)	N/A	N/A	N/A	78	90.6	104	74	85.3	66.9	81.5	84.9	71.5	77.4	78.1	78.1	85	82.5	N/A
2-Fluorobiphenyl (S) (%)	N/A	N/A	N/A	72.8	76.6	93.9	70	79.2	69.3	74.8	72.9	64.1	81.3	75.8	78.5	80.5	81.5	N/A
2-Fluorophenol (S) (%)	N/A	N/A	N/A	79.7	83.7													

TABLE IH
Former Allentown Metal Works (AMW)
Summarized Soil Analytical Results

Field Identification: APEC:				P1-A	P1-B	P2-A	P2-B	P3-A	P3-B	P9-A	P16-A	P17-A	P18-A	P47-A	P48-A
Sample Depth: Sample Date:				0-2' 1/9/2014	14.5-15' 1/9/2014	0-2' 1/9/2014	14.5-15' 1/9/2014	0-2' 1/9/2014	APEC-08 (Historic Fill)						
Parameter (mg/kg unless noted)	Residential 0-15'	Non-Residential 0-2'	Non-Residential 15'												
Total Solids (%)				89.6%	89.3%	93.2%	86.4%	95.3%	77.3%	91.9%	86.2%	89.9%	84.1%	74.7%	83.1%
Acetone	3,300	9,200	9,200	0.0194	<0.0124	<0.018	0.0215	0.107	0.285	0.0342	0.0972	0.0376	0.0394	0.0196	0.153
Benzene	0.5	0.5	0.5	<0.0032	<0.0025	<0.0036	<0.0036	0.006	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Bromomethane	1	1	1	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
2-Butanone	400	400	400	<0.0162	<0.0124	<0.018	<0.0182	0.0231	0.0448	<0.0128	0.0140	<0.0070	<0.0075	<0.0131	0.0198
Carbon Disulfide	150	620	620	<0.0032	<0.0025	<0.0036	<0.0036	0.0092	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Chlorobenzene	10	10	10	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Cyclohexane	1,700	6,900	6,900	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
1,3-Dichlorobenzene	61	61	61	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
1,4-Dichlorobenzene	10	10	10	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
cis-1,2-Dichloroethene	7	7	7	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Ethylbenzene	70	70	70	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Freon 113	10,000	10,000	10,000	0.0185	<0.0025	0.009	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	0.0192	<0.0026
Isopropylbenzene	600	2,500	2,500	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Methyl acetate	3,700	10,000	10,000	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Methyl cyclohexane	100	100	100	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Methylene Chloride	0.5	0.5	0.5	0.0064	0.0057	0.007	<0.0036	0.0254	0.0091	0.0053	0.00240	<0.0014	0.0020	0.0057	0.0043
Tetrachloroethene	0.5	0.5	0.5	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Toluene	100	100	100	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
1,1,1-Trichloroethane	20	20	20	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Trichloroethene	0.5	0.5	0.5	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Vinyl Chloride	0.2	0.2	0.2	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Total Xylenes	1,000	1,000	1,000	<0.0032	<0.0025	<0.0036	<0.0036	<0.0031	<0.0041	<0.0026	<0.0023	<0.0014	<0.0015	<0.0026	<0.0026
Surrogate Recoveries															
1,2-Dichloroethane-d4 (S) (%)	N/A	N/A	N/A	74.9	76.9	76.8	101	74.6	102	77	75.7	73.3	72.3	73.5	74.7
4-Bromofluorobenzene (S) (%)	N/A	N/A	N/A	98.5	90.5	99	125	97.1	127	112	94.7	92.6	95.4	93.2	93.9
Dibromofluoromethane (S) (%)	N/A	N/A	N/A	80.7	78	79.5	105	78	106	78.5	78.5	78	79.7	78.7	78.7
Toluene-d8 (S) (%)	N/A	N/A	N/A	83.1	81.4	84.9	112	82	109	86.5	82.4	83.6	82.7	80.7	81.5
SEMIVOLATILES															
Acenaphthene	2,700	4,700	4,700	<0.0544	<0.0552	<0.0529	<0.0618	<0.0516	<0.0642	<0.0537	<0.229	<0.212	<0.238	<0.0665	<0.237
Acenaphthylene	2,500	6,900	6,900	<0.0544	<0.0552	<0.0529	<0.0618	<0.0516	<0.0642	<0.0537	<0.229	<0.212	<0.238	<0.0665	<0.237
Anthracene	350	350	350	<0.0544	<0.0552	<0.0529	<0.0618	<0.0516	<0.0642	<0.0537	<0.229	<0.212	<0.238	0.144	<0.237
Benzo(a)anthracene	5.7	110	320	<0.0544	<0.0552	0.395	<0.0618	0.347	<0.0642	<0.0537	<0.229	<0.212	<0.238	1.220	2.520
Benzo(a)pyrene	0.57	11	46	<0.0544	<0.0552	0.438	<0.0618	0.484	<0.0642	<0.0537	<0.229	<0.212	<0.238	1.480	3.630
Benzo(b)fluoranthene	5.7	110	170	<0.0544	<0.0552	0.753	<0.0618	0.781	<0.0642	<0.0537	<0.229	<0.212	<0.238	2.080	6.530
Benzo(g,h,i)perylene	180	180	180	<0.0544	<0.0552	0.361	<0.0618	0.441	<0.0642	<0.0537	<0.229	<0.212	<0.238	1.140	1.390
Benzo(k)fluoranthene	57	610	610	<0.0544	<0.0552	0.236	<0.0618	0.252	<0.0642	<0.0537	<0.229	<0.212	<0.238	0.774	2.790
Carbazole	21	83	83	<0.109	<0.110	<0.111	<0.112	<0.113	<0.114	<0.107	<0.458	<0.425	<0.475	<0.133	<0.474
Chrysene	230	230	230	<0.0544	<0.0552	0.524	<0.0618	0.441	<0.0642	<0.0537	<0.229	<0.212	<0.238	1.420	3.400
Dibenzo(a,h)anthracene	0.57	11	160	<0.0544	<0.0552	0.106	<0.0618	0.112	<0.0642	<0.0537	<0.229	<0.212	<0.238	0.248	0.345
Dibenzofuran	95	260	260	<0.109	<0.110	<0.106	<0.124	<0.103	<0.128	<0.107	<0.458	<0.425	<0.475	<0.133	<0.474
bis(2-Ethylhexyl)phthalate	130	130	130	<0.109	<0.110	<0.106	<0.124	<0.103	<0.128	<0.107	<0.458	<0.425	<0.475	<0.133	<0.474
Fluoranthene	3,200	3,200	3,200	<0.0544	<0.0552	0.491	<0.0618	0.316	<0.0642	<0.0537	0.239	<0.212	0.487	2.080	6.220
Indeno(1,2,3-cd)pyrene	5.7	110	28,000	<0.0544	<0.0552	0.357	<0.0618	0.429	<0.0642	<0.0537	<0.229	<0.212	<0.238	1.170	1.410
2-Methylnaphthalene	600	1,600	1,600	<0.0544	<0.0552	<0.0529	<0.0618	<0.0516	<0.0642	<0.0537	<0.229	<0.212	<0.238	<0.0665	<0.237
Naphthalene	25	25	25	<0.0544	<0.0552	<0.0529	<0.0618	<0.0516	<0.0642	0.0553	<0.229	<0.212	<0.238	<0.0665	<0.237
Phenanthrene	10,000	10,000	10,000	<0.0544	<0.0552	0.184	<0.0618	0.0641	<0.0642	<0.0537	<0.229	<0.212	0.331	0.684	1.360
Pyrene	2,200	2,200	2,200	<0.0544	<0.0552	0.472	<0.0618	0.338	<0.0642	<0.0537	0.401	<0.212	0.477	2.260	5.570
SEMIVOLATILES															
2,4,6-Tribromophenol (S) (%)	N/A	N/A	N/A	48.6	75.3	82.4	78.1	73.8	76.3	78.9	79.8	79.1	75.7	73.6	97.3
2-Fluorobiphenyl (S) (%)	N/A	N/A	N/A	75.2	69.2	77.5	71.8	69.8	69.1	75.5	76.2	73.5	73	73.8	107
2-Fluorophenol (S) (%)	N/A	N/A	N/A	71.5	80.5	86.6	81.8	79.2	78.1	82.3	83.8	77.5	79.2	71.9	103
Nitrobenzene-d5 (S) (%)	N/A	N/A	N/A	74.6	70.2	78.8	73.5	71.6	69.4	76.4	77	65.3	74.3	64.2	97.4
Phenol-d5 (S) (%)	N/A	N/A	N/A	75.5	79.1	85.9	81.5	78	78.6	81.9	81.5	76.1	79.4	67.9	106
Terphenyl-d14 (S) (%)	N/A	N/A	N/A	75.5	88.1	97.7	95.9	87.9	94.2	92.4	85.9	86.9	83.3	83.2	133
PCBS															
Aroclor-1248	9	40	62	<0.037	<0.036	<0.034	<0.041	<0.034	<0.042	<0.035	<0.038	<0.036	<0.038	<0.044	<0.038
Aroclor-1254	4.4	40	260	<0.037	<0.036	<0.034	<0.041	<0.034	<0.042	<0.035	<0.038	<0.036	<0.038	<0.044	<0.038
Aroclor-1260	9	40	590	<0.037	<0.036	<0.034	<0.041	<0.034	<0.042	<0.035	0.043	<0.036	0.079	<0.044	0.10
Surrogate Recoveries															
Decachlorobiphenyl (S) (%)	N/A	N/A	N/A	68.7	77.4	78.9	79.7	72.1	88.1	75.1	59.9	43.1	62.1	65.3	66
Tetrachloro-m-xylene (S) (%)	N/A	N/A	N/A	85.6	83.6	95.2	94.5	89	102	93.7	76.1	53.2	73.4	83.2	81.3
WET CHEMISTRY															
Moisture (%)	N/A	N/A	N/A	10.4	10.7	6.8	19.8	4.7	22.7	8.1	13.8	10.1	15.9	25.3	16.9
Total Solids (%)	N/A	N/A	N/A	89.6	89.3	93.2	80.2	95.3	77.3	91.9	86.2	89.9	84.1	74.7	83.1
METALS															
Arsenic, Total	12	29	29	<21.5	<10	5	6.1	3.2	4.1	<10.9	<22.3	<19.2	3.3	<13.1	<10.6
Barium, Total	8,200	8,200	8,200	<10.7	51.3	40.1									

TABLE 2
Allentown Metal Works (AMW)
Summarized Groundwater Analytical Results - February 28, 2014

Field Identification:		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	RINSE BLANK	TRIP BLANK	F-DUP
Sample Date:		2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014
Parameter (ug/L unless noted)	Non-Residential MSC									
Volatile Organics										
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	6.0	<1.0	<1.0	<1.0
Bromomethane	10	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	6,200	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cyclohexane	53,000	<1.0	<1.0	<1.0	1.4	<1.0	4.4	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	70	4.4	<1.0	<1.0	2.7	<1.0	2.6	<1.0	<1.0	<1.0
Methyl cyclohexane	N/A	<1.0	<1.0	<1.0	9.2	<1.0	2.4	<1.0	<1.0	<1.0
4-Methyl-2-Pentanone	8,200	<5.0	<5.0	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	5	1.5	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	<1.0
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0	<1.0	4.5	<1.0	<1.0	<1.0
Surrogate Recoveries										
1,2-Dichloroethane-d4 (S) (%)	N/A	96.8	104	94.2	96.2	96.1	95.6	97.1	93.6	94.4
4-Bromofluorobenzene (S) (%)	N/A	86.9	88.1	90.2	87.5	89.3	89.7	91	90.1	87.6
Dibromofluoromethane (S) (%)	N/A	83.4	82	88.8	83.7	82	81.5	84.9	83.8	89.2
Toluene-d8 (S) (%)	N/A	102	79.1	107	101	101	108	106	104	102
Semivolatiles										
2,4-Dimethylphenol	2,000	17.1	<7.8	<7.5	<7.5	<7.5	30.1	<7.7	N/A	<7.5
bis(2-Ethylhexyl)phthalate	6	3.3	<2.9	<2.8	<2.8	<2.8	<2.8	<2.9	N/A	<2.8
Naphthalene	100	<1.4	<1.5	<1.4	<1.4	<1.4	1.7	<1.4	N/A	<2.8
Pyrene	130	4.5	<1.5	<1.4	<1.4	<1.4	<1.4	<1.4	N/A	<1.4
Surrogate Recoveries										
2,4,6-Tribromophenol (S) (%)	N/A	82.6	91.6	93.6	94.2	96.5	86.6	94.1	N/A	98.5
2-Fluorobiphenyl (S) (%)	N/A	78.9	84.7	90.8	88.1	88.6	85.4	89.9	N/A	93.5
2-Fluorophenol (S) (%)	N/A	52.4	59.2	61	57.8	55.8	56.2	60.4	N/A	63.9
Nitrobenzene-d5 (S) (%)	N/A	84.7	91.7	96.7	94.1	91.5	92.7	97.4	N/A	99.6
Phenol-d5 (S) (%)	N/A	34.4	37.4	38	35.8	34.5	35.6	38.5	N/A	40.1
Terphenyl-d14 (S) (%)	N/A	65.9	100	104	98.7	91.6	71.3	106	N/A	110
Surrogate Recoveries										
Decachlorobiphenyl (S) (%)	N/A	32.4	35.0	55.3	48.7	29.4	41.3	N/A	63.1	74.0
Tetrachloro-m-xylene (S) (%)	N/A	60.8	68.3	63.3	68.2	69.5	75.2	N/A	73.1	86.6
Metals										
Barium, Dissolved	2,000	35.0	120.0	85.0	96.0	78.0	50.0	<10	N/A	77.0
Field Parameters										
Temperature (°C)	N/A	9.9	10.2	8.4	9.9	6.2	5.3	N/A	N/A	N/A
pH (SU)	N/A	7.51	7.81	7.65	7.73	7.52	7.9	N/A	N/A	N/A
Specific Conductivity (µmhos/cm)	N/A	531.9	668.8	489.4	1,069	742.4	721.2	N/A	N/A	N/A
Total Dissolved Solids (mg/L)	N/A	383.7	478.8	349.3	776.2	524.2	514.3	N/A	N/A	N/A
Photoionization Detector Reading (ppm)	N/A	38.2	0.0	0.3	53.1	23.2	146.5	N/A	N/A	N/A

-All results shown in micrograms per liter (ug/L) unless otherwise noted

-Non-Residential Medium-Specific Concentrations (MSCs) for Organic & Inorganic Regulated Substances in Groundwater, Used Aquifer, TDS<2,500 mg/L. (Updated 1/2011)

-**Bold:** Result exceeds MSC

-N/A: not applicable

-Field Duplicate taken at MW-3

TABLE 3
Allentown Metal Works (AMW)
Summarized Groundwater Analytical Results - May 5, 2014

Field Identification:		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	RINSE BLANK	TRIP BLANK	F-DUP
Sample Date:		5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014	5/5/2014
Parameter (ug/L unless noted)	Non-Residential MSC									
Volatile Organics										
Benzene	5	<1.0	<1.0	<1.0	<1.0	<1.0	5.1	<1.0	<1.0	<1.0
Bromomethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	6,200	<1.0	<1.0	17.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cyclohexane	53,000	<1.0	<1.0	<1.0	<1.0	<1.0	6.6	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	70	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl cyclohexane	N/A	<1.0	<1.0	<1.0	3.5	1.5	2.0	<1.0	<1.0	<1.0
4-Methyl-2-Pentanone	8,200	<5.0	<5.0	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichloroethene	5	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	2	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	<1.0	<1.0
Surrogate Recoveries										
1,2-Dichloroethane-d4 (S) (%)	N/A	93.2	93.2	93.8	92.4	90.9	92.4	91.2	91.2	91.8
4-Bromofluorobenzene (S) (%)	N/A	107	108	107	107	106	109	108	107	108
Dibromofluoromethane (S) (%)	N/A	85.4	83.7	86.9	84.6	83.6	84.5	83.3	83	83.4
Toluene-d8 (S) (%)	N/A	102	102	102	102	100	102	99.9	99.8	100
Semivolatiles										
2,4-Dimethylphenol	2,000	<7.5	<7.7	<7.5	<7.4	<7.5	<8.5	<8.5	N/A	<7.6
bis(2-Ethylhexyl)phthalate	6	<2.8	<2.9	<2.8	<2.8	<2.8	<3.2	<3.2	N/A	<2.9
Naphthalene	100	<1.4	<1.4	<1.4	<1.4	<1.4	<1.6	<1.6	N/A	<1.4
Pyrene	130	<1.4	<1.4	<1.4	<1.4	<1.4	<1.6	<1.6	N/A	<1.4
Surrogate Recoveries										
2,4,6-Tribromophenol (S) (%)	N/A	107	79	82.5	88.3	88.7	81.9	54.3	N/A	74.7
2-Fluorobiphenyl (S) (%)	N/A	77.8	56.8	78.4	75.2	77.2	75.5	75.8	N/A	78.1
2-Fluorophenol (S) (%)	N/A	53.9	38	53.2	52	52.4	49.4	33	N/A	45.8
Nitrobenzene-d5 (S) (%)	N/A	78.4	55.8	84.5	77.6	76.3	71.3	73.3	N/A	79.1
Phenol-d5 (S) (%)	N/A	35.7	25.4	37.3	34.2	34.9	33.6	30.8	N/A	31.6
Terphenyl-d14 (S) (%)	N/A	87.6	83.7	93.8	94.5	86.3	80.6	87.1	N/A	94.5
Surrogate Recoveries										
Decachlorobiphenyl (S) (%)	N/A	77.8	80.3	66.4	106	55.3	52.7	115	63.1	80.9
Tetrachloro-m-xylene (S) (%)	N/A	61.6	72.4	59.9	61.5	70.7	57.6	62.1	73.1	70.5
Metals										
Barium, Dissolved	2,000	36.0	110.0	62.0	61.0	150.0	33.0	<10	N/A	110.0
Field Parameters										
Temperature (°C)	N/A	12.9	17.0	16.5	19.6	13.3	11.9	N/A	N/A	N/A
pH (SU)	N/A	6.74	7.06	6.99	7.12	7.12	6.99	N/A	N/A	N/A
Specific Conductivity (µmhos/cm)	N/A	838.9	649.9	425.7	690.6	722.1	645.2	N/A	N/A	N/A
Total Dissolved Solids (mg/L)	N/A	589.5	447.9	290.1	473.3	509.8	447.6	N/A	N/A	N/A
Photoionization Detector Reading (ppm)	N/A	7.5	0.6	0.4	23.5	2.6	53.8	N/A	N/A	N/A

-All results shown in micrograms per liter (ug/L) unless otherwise noted

-Non-Residential Medium-Specific Concentrations (MSCs) for Organic & Inorganic Regulated Substances in Groundwater, Used Aquifer, TDS<2,500 mg/L (Updated 1/2011)

-**Bold:** Result exceeds MSC

-N/A: not applicable

-Field Duplicate taken at MW-2

TABLE 4
Former Allentown Metal Works (AMW)
Summarized Soil Gas Analytical Results - May 12, 2014

Field Identification:		SG-1	SG-2	SG-3
Sample Date:		5/12/2014	5/12/2014	5/12/2014
Parameter (mg/m3 unless noted)	Non-Residential MSC _{sg} (mg/m3)			
Volatile Organics @ STP				
Acetone	9,100	0.0810	0.0600	0.0330
Benzene	1.1	0.0060	0.0050	0.0010
n-Butane	N/A	0.0320	0.0270	0.0070
2-Butanone	300	0.0840	0.0770	0.0160
tert-Butyl Alcohol	N/A	0.0010	0.0008	<0.0006
Carbon Disulfide	200	0.0010	0.0020	<0.0006
Carbon Tetrachloride	0.55	<0.0010	<0.0010	<0.0010
Chloroform	0.092	0.0010	<0.001	<0.001
Chloromethane	450	0.0004	0.0005	0.0007
Cyclohexane	N/A	0.0040	0.0030	0.0009
Dichlorodifluoromethane	51	0.0010	0.0010	0.0020
1,2-Dichloroethane	0.31	<0.0008	<0.0008	<0.0008
Ethanol	N/A	0.1400	0.1300	0.0300
Ethylbenzene	7.3	0.0040	0.0050	0.0010
4-Ethyltoluene	N/A	0.0020	0.0020	<0.001
Freon 113	8,800	0.0030	<0.002	<0.002
Heptane	N/A	0.0120	0.0090	0.0030
Hexane	58	0.0330	0.0190	0.0100
Isopropyl Alcohol	N/A	0.0370	0.0320	0.0120
Isopropylbenzene	N/A	<0.0010	<0.0010	<0.0010
p-Isopropyltoluene	N/A	<0.0010	0.0010	<0.0010
Methyl t-Butyl Ether	31	<0.0007	<0.0007	<0.0007
4-Methyl-2-Pentanone (MIBK)	20	<0.0008	<0.0008	0.0010
Methylene Chloride	17	0.1000	0.0490	0.0430
Napthalene	N/A	<0.0010	<0.0010	<0.0010
iso-Octane	N/A	0.0100	0.0060	0.0020
n-Propylbenzene	41	<0.001	0.0030	<0.001
Propylene	2.2	<0.0003	<0.0003	<0.0003
Styrene	290	<0.0008	<0.0008	<0.0008
Tetrachloroethene	14	<0.001	<0.001	0.0900
Tetrahydrofuran	N/A	0.1600	0.1000	0.0250
Toluene	120	0.0400	0.0350	0.0090
Total Xylenes	30	0.0230	0.0210	0.0060
Trichloroethene	4.8	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane	200	0.0020	0.0010	<0.001
1,2,4-Trimethylbenzene	1.7	0.0050	0.0050	0.0010
1,3,5-Trimethylbenzene	1.7	0.0020	0.0020	<0.001
1,2,3-Trimethylbenzene	N/A	<0.001	0.0010	<0.001
o-Xylene	30	0.0070	0.0060	0.0010
mp-Xylene	30	0.0160	0.0160	0.0040
Surrogate Recoveries				
4-Bromofluorobenzene (S) (%)	N/A	106	104	106

Notes:

- All results shown in mg/m3 unless otherwise noted
- N/A: not applicable
- Non-Residential MSC adjusted for transfer factor of 0.01

TABLE 5
Former Allentown Metal Works (AMW)
Summarized Soil Gas Analytical Results - July 7, 2014

Field Identification:		SG-1	SG-2	SG-3
Sample Date:		7/7/2014	7/7/2014	7/7/2014
Parameter (mg/m3 unless noted)	Non-Residential MSC _{sg} (mg/m3)			
<i>Volatile Organics @ STP</i>				
Acetone	9,100	0.0490	0.0210	0.0130
Benzene	1.1	0.0040	0.0140	0.0020
n-Butane	N/A	0.0140	0.0060	<0.0005
2-Butanone	300	0.0070	0.0040	0.0020
tert-Butyl Alcohol	N/A	0.0020	0.0020	0.0030
Carbon Disulfide	200	0.0040	0.0020	<0.0006
Carbon Tetrachloride	0.55	<0.0010	<0.0010	0.0010
Chloroform	0.092	0.0250	0.0090	0.0020
Chloromethane	450	0.0010	0.0005	<0.0004
Cyclohexane	N/A	0.0030	0.0020	<0.0007
Dichlorodifluoromethane	51	0.0020	0.0010	<0.0001
1,2-Dichloroethane	0.31	<0.0008	0.0020	<0.0008
Ethanol	N/A	0.2200	0.0480	0.0080
Ethylbenzene	7.3	0.0200	0.0320	0.0040
4-Ethyltoluene	N/A	0.0100	0.0150	0.0020
Freon 113	8,800	0.0030	<0.002	0.0030
Heptane	N/A	0.0390	0.0200	0.0020
Hexane	58	0.1500	0.0720	0.0200
Isopropyl Alcohol	N/A	0.0150	0.0080	0.0030
Isopropylbenzene	N/A	0.0030	0.0030	0.0010
p-Isopropyltoluene	N/A	<0.0010	0.0010	<0.0010
Methyl t-Butyl Ether	31	0.0540	0.0210	0.0020
4-Methyl-2-Pentanone (MIBK)	20	0.0010	0.0010	<0.0008
Methylene Chloride	17	0.2400	0.1200	0.0550
Napthalene	N/A	0.0140	0.0050	0.0060
iso-Octane	N/A	0.0100	0.0160	0.0040
n-Propylbenzene	41	<0.001	<0.001	<0.0010
Propylene	2.2	0.0030	0.0040	0.0020
Styrene	290	0.0020	0.0010	<0.0008
Tetrachloroethene	14	<0.001	<0.001	<0.0010
Tetrahydrofuran	N/A	<0.0006	0.0180	<0.0006
Toluene	120	0.1100	0.1400	0.0110
Total Xylenes	30	0.2500	0.2200	0.0380
Trichloroethene	4.8	0.0020	<0.001	0.0060
Trichlorofluoromethane	200	0.0030	<0.001	<0.0010
1,2,4-Trimethylbenzene	1.7	0.0400	0.0430	0.0150
1,3,5-Trimethylbenzene	1.7	0.0260	0.0220	0.0060
1,2,3-Trimethylbenzene	N/A	0.0150	0.0120	0.0090
o-Xylene	30	0.0720	0.0610	0.0170
mp-Xylene	30	0.1700	0.1500	0.0220
<i>Surrogate Recoveries</i>				
4-Bromofluorobenzene (S) (%)	N/A	105	89	95

Notes:

- All results shown in mg/m3 unless otherwise noted
- N/A: not applicable
- Non-Residential MSC adjusted for transfer factor of 0.01

Appendix F
Soil Probe Descriptions

9-Jan-14

Weather: Clear and cold, some ice and snow on ground 25°F

Samplers: SRC & RCC

P-1 Water: Dry
depth description
0-11.5' Fill consisting of cinders, brick & concrete, black silt/sand
11.5-16' Tan silt w/ increasing rock fragment w/ depth

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

"B" sample 14.5-15'

No PID , Odor, or Staining 0-16' bgs

Hole - 0 ppm PID

P-2 Water: 15' bgs
depth description
0-14' Fill consisting of cinders, brick & concrete, black silt/sand
14-16' Tan to dark brown silt

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

"B" sample 14.5-15'

No PID , Odor, or Staining 0-16' bgs

Hole - 0 ppm PID

P-3 Water: Moist 15-16'
depth description
0-13' Fill consisting of cinders, brick & concrete, black silt/sand
13-16' Tan silt

0-6" 0 ppm PID "A" Sample
6-12" 15 ppm PID "A" Sample
12-18" 1 ppm PID
18-24" 0 ppm PID

"B" sample 14.5-15'

No PID , Odor, or Staining 1.5-16' bgs

Hole - 0 ppm PID

P-4	Water:	Water 4-6' bgs
<u>depth</u>	<u>description</u>	
0-4'	0-15" Fill consisting of cinders, black sand/silt	
	15-24" Tan silt	
	24-46" Reddish brown silt	
	46-48" Olive soft silt, petroleum odor, 50 ppm PID	
4-6'	Olive, very soft silt, petroleum odor, 10 ppm PID	
6-8'	Tan silt, 5 ppm PID	
8-9'	No Return (NR)	
9-10'	Tan silty sand, dry, refusal @ 10'	
0-6"	0 ppm PID	"A" Sample
6-12"	0 ppm PID	"A" Sample
12-18"	0 ppm PID	
18-24"	0 ppm PID	

"B" sample 46-48"

"C" sample 9.5-10'

Hole - 20 ppm PID

P-5	Water:	Dry
<u>depth</u>	<u>description</u>	
0-20"	Fill consisting of cinders, black sand/silt	
20-22"	Brick	
23-24"	Tan Silt	
0-6"	1 ppm PID	
6-12"	15 ppm PID	"A" Sample
12-18"	5 ppm PID	
18-24"	5 ppm PID	

No Staining or Odors

Hole - 5 ppm PID

P-6	Water: Perched 9'
<u>depth</u>	<u>description</u>
0-1.5'	Fill consisting of cinders, black sand/silt
1.5-4'	Tan Silt, 0 ppm
4-5'	NR
5-6'	Reddish Brown Silt, 0 ppm
6-8'	Black gravel and silt, 15 ppm, petroleum odor
8-10'	Wet, Black gravel and silt, 0.2 ppm
10-12'	Tan Silt, 0.2 ppm
12-14'	Tan Silt, 0.2 ppm
14-16'	Tan Silt to buff sandstone, 0.2 ppm

0-6"	0 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	"A" Sample

"B" Sample 7.5-8'

Hole - 3 ppm PID

P-7	Water: Dry	
<u>depth</u>	<u>description</u>	
0-2'	Fill consisting of cinders, black silt/sand	
0-6"	0.5 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	

No Odors or Staining

Hole - 1.8 ppm PID

P-8	Water: Dry	
<u>depth</u>	<u>description</u>	
0-2'	Fill consisting of cinders, black silt/sand	
0-6"	0 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	"A" Sample

No Odors or Staining

Hole - 0 ppm PID

P-9	Water:	Dry
<u>depth</u>	<u>description</u>	
0-2'	Fill consisting of cinders, black silt/sand	
0-6"	0 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	"A" Sample

No Odors or Staining

Hole - 0.7 ppm PID

P-10	Water:	Dry
<u>depth</u>	<u>description</u>	
0-2'	Fill consisting of cinders, black silt/sand	
0-6"	0 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	"A" Sample

No Odors or Staining

Hole - 0 ppm PID

P-11	Water:	Dry
<u>depth</u>	<u>description</u>	
0-2'	Fill consisting of cinders, black silt/sand	
0-6"	0.3 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	

No Odors or Staining

Hole - 0 ppm PID

P-12

Water: Dry

depth

description

0-2' Fill consisting of cinders, black silt/sand

0-6" 0 ppm PID "A" Sample

6-12" 0 ppm PID

12-18" 0 ppm PID

18-24" 0 ppm PID "A" Sample

No Odors or Staining

Hole - 0 ppm PID

10-Jan-14

Weather: Light snow and cold, ground conditions icy 28°F

Samplers: SRC & RCC

P-13 Water: Dry
depth description
0-1' Black cinders and stone fill
1-2' Dark silt to tan silt w/ rock fragments

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

No Odor or Staining

Hole - 0 ppm PID

P-14 Water: Dry
depth description
0-1.5' Black cinders and stone fill
1.5-2' Tan silt w/ rock fragments

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

No Odor, or Staining

Hole - 0 ppm PID

P-15 Water: Dry
depth description
0-2' Black cinders and stone fill

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

No Odor, or Staining

Hole - 0 ppm PID

P-16 Water: Dry
depth description
0-1.5' Black cinders and stone fill
1.5-2' Dark silt to tan silt w/ rock fragments

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

No Odor or Staining

Hole - 0 ppm PID

P-17 Water: Dry
depth description
0-2' Black cinders and stone fill

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

No Odor, or Staining

Hole - 0 ppm PID

P-18 Water: Dry
depth description
0-0.5' Black cinders and stone fill
0.5-2' Reddish brown silt

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

No Odor, or Staining

Hole - 0 ppm PID

P-19 Water: Dry

<u>depth</u>	<u>description</u>
0-6"	Concrete
6-18"	Black cinders and stone fill, w/ brick
18-24"	Tan silt w/ rock fragment

0-6"	0 ppm PID
6-12"	0 ppm PID "A" Sample
12-18"	0 ppm PID
18-24"	0 ppm PID "A" Sample

No Odor, or Staining

Hole - 0.3 ppm PID

P-20 Water: Dry

<u>depth</u>	<u>description</u>
0-12'	Fill 0 ppm PID

Sampled 11-11.5' "A" Sample

No odor or staining

Hole - 0 ppm PID

P-21 Water: Dry

<u>depth</u>	<u>description</u>
0-4'	Fill consisting of cinders, ash, & black silt, 0 ppm PID refusal @ 4', offset, same result, no sample

P-22 Water: Wet at 13' bgs

<u>depth</u>	<u>description</u>
0-12'	Fill consisting of cinders, ash, black silt, & UST backfill
12-12.5'	Tan silt, PID 2.3 ppm "A" Sample
12.5-13'	Tan silt, 0 ppm PID

Hole - 1.0 ppm PID

P-23 Water: Dry

<u>depth</u>	<u>description</u>
0-10'	Fill consisting of dark gravel, cinders, 0 ppm PID
10-12'	Tan silt w/ rock fragments

10-10.5' 0.2 ppm PID
10.5-12' 0 ppm PID

"A" Sample

Hole - 0.6 ppm PID

No odor or staining

13-Jan-14

Weather: Clear and cold, 25°F

Samplers: SRC & RCC

Weekend rain +55°F, cleared ice and snow

P-24

Water: Wet 12'+

depth

description

0-2' Fill consisting of concrete, cinders and rock
2-8' Tan silt (fill)
8-12' Ash like material, very soft
12-16' Ash like material (wet), very soft

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample
2-7.5' 0 ppm PID
7.5-8' 0.5 ppm PID
8-11.5' 5 ppm PID
11.5-12' 150 ppm PID "B" Sample
13' 150 ppm PID
14' 100 ppm PID
15' 140 ppm PID
16' 100 ppm PID

Petroleum odor throughout

Hole - 3 ppm PID

P-25

Water: Wet 15.5'+

depth

description

0-11.5' UST fill stone
11.5-12' Dark brown silt
12-15.5' Ash like fill
15.5-16' Wet ash Slight petroleum odor

0-11.5' 0 ppm PID
11.5-12' 0.2 ppm PID "A" Sample
12-15.5' 0.2-0.5 ppm PID
15.5-16' 2 ppm PID

Hole - 49 ppm PID

P-26

Water: Dry

depth

description

0-12' Fill consisting of cinders, ash, brick, concrete and silt

0-8'	0 ppm PID	
8-8.5'	15 ppm PID	"A" Sample
11-11.5'	6 ppm PID	"B" Sample

Dry, slight petroleum odor, no staining

Hole - 180 ppm PID

P-27 Water: Perched 7'

<u>depth</u>	<u>description</u>
0-8'	Fill consisting of cinders, ash, brick, concrete and silt
8-12'	Water and ash, petroleum odor, sheen

0-6"	0.1 ppm PID	"A" Sample
6-12"	0.1 ppm PID	
12-18"	3 ppm PID	
18-24"	0.1 ppm PID	"A" Sample
3'	3 ppm PID	
4-6.5'	0.2 ppm PID	
6.5-7'	5 ppm PID	"B" Sample
7-12'	2 ppm PID	"C" Sample

Petroleum odor throughout

hole = 1.5 ppm PID

P-28 Water: Dry

<u>depth</u>	<u>description</u>
0-3'	Fill consisting of cinders, ash, brick, concrete and silt
3-3.5'	Fill consisting of cinders, ash, brick, concrete and silt, petroleum odor
4-4.8'	Tan silt
4.8-5'	Rock, refusal

0-6"	27 ppm PID	"A" Sample
6-12"	10 ppm PID	
12-18"	1 ppm PID	
18-24"	1 ppm PID	
3-3.5'	2.7 ppm PID	"B" Sample
4-4.8'	0 ppm PID	
4.8-5'	0 ppm PID	

Petroleum odor throughout

hole = 1.4 ppm PID

P-29

Water: Perched 8'

depth

description

0-5'	Fill consisting of cinders, ash, brick, concrete and silt
5-6'	Tan silt
6-8'	Olive silt
8-10'	Olive silt
10-11'	Refusal 11'

0-6"	3 ppm PID	"A" Sample
6-12"	1ppm PID	
12-18"	1.8 ppm PID	
18-24"	1.4 ppm PID	
5-6'	196 ppm PID	"B" Sample
6-8'	62.7-158 ppm PID	
8-10'	60 ppm PID	

Petroleum odor throughout

hole = 0 ppm PID

P-30

Water: Dry

depth

description

0-4.5'	Fill consisting of cinders, ash, brick, concrete and silt
4.5-5.5'	Tan silt
5.5-6.5'	Tan silt
6.5-8'	Olive silt
8-10'	Olive silt w/ rock refusal

0-6"	3.6 ppm PID	"A" Sample
6-12"	3.5 ppm PID	
12-18"	3.4 ppm PID	
18-24"	0.7 ppm PID	
4.5-5.5'	5 ppm PID	
5.5-6.5'	15 ppm PID	"B" Sample
6.5-8'	5 ppm PID	
8-10'	5 ppm PID	

Petroleum odor throughout

hole = 52 ppm PID

P-31 Water: Dry 0-6.5'

<u>depth</u>	<u>description</u>
0-4'	Fill consisting of cinders, ash, brick, concrete and silt
4-4.5'	Tan silt
5.5-6.5'	Tan silt
6.5-8'	Olive silt, wet
8-9'	Olive silt, wet, w/ rock refusal

0-6"	3.6 ppm PID	"A" Sample
6-12"	3.5 ppm PID	
12-18"	3.4 ppm PID	
18-24"	0.7 ppm PID	
4-4.5'	8 ppm PID	
5.5-6.5'	55 ppm PID	"B" Sample
6.5-8'	10 ppm PID	
8-9'	32 ppm PID	

Petroleum odor throughout

hole = 55 ppm PID

P-32 Water: Dry 0-7' Moist 7-12'

<u>depth</u>	<u>description</u>
0-8'	Fill consisting of cinders, ash, brick, concrete and silt
8-9'	Fill consisting of cinders, ash, brick, concrete and silt
9-12'	Soft brown silt

0-6"	15.6 ppm PID	"A" Sample
6-12"	3.1 ppm PID	
12-18"	0.7 ppm PID	
18-24"	1.6 ppm PID	
8-9'	0.5 ppm PID	
9-12'	0.5 ppm PID	

Petroleum odor 7-12'

Low PID 2-8' (0.5-1 ppm)

10.5-11' "B" Sample 1 ppm PID

hole = 4 ppm PID

P-33 Water: Dry 0-12'

<u>depth</u>	<u>description</u>
0-6'	Fill consisting of cinders, ash, brick, concrete and silt

6-10'	Tan silt w/ rock	
10-10.5'	Olive silt	25 ppm PID "A" Sample
11'		11.7 ppm PID
12'		2.8 ppm PID

Petroleum odor 10-12'

0-10' 0 ppm PID

hole = 24 ppm PID

P-34 Water: Dry

<u>depth</u>	<u>description</u>	
0-11'	Fill consisting of cinders, ash, brick, concrete and silt	
11-12'	Tan silt	
5.5-6'		20 ppm PID
6-7'		36 ppm PID
7-7.5'		55 ppm PID
7.5-8'		44 ppm PID
9.5-10'		55 ppm PID "A" Sample
11'		23.1 ppm PID
12'		16.2 ppm PID

Petroleum odor throughout

hole = 24 ppm PID

P-35 Water: Dry

<u>depth</u>	<u>description</u>	
0-6'	Fill consisting of cinders, ash, brick, concrete and silt	
6-10.5'	Tan silt	
10.5-12'	Olive silt, petroleum odor	
9.5-10'		10 ppm PID
10-10.5'		25.5 ppm PID "A" Sample
10.5-11'		12 ppm PID
11-11.5'		8 ppm PID
11.5-12'		4.2 ppm PID

Petroleum odor 9.5-12'

hole = 9 ppm PID

P-36

Water: Dry

depth

description

0-5' Fill consisting of cinders, ash, brick, concrete and silt

5-7' Tan silt

7-8' Buff silt w/ rock

8-11.5' Dark sandy silt w/ rock, petroleum odor

11.5-12' Dark sandy silt w/ rock, petroleum odor

0-11' 0.5 ppm PID

11-11.5' 18.3 ppm PID "A" Sample

11.5-12' 7.8 ppm PID

Petroleum odor 8-12'

Hole - 9 ppm PID

14-Jan-14

Weather: Rain 45°F

Samplers: SRC & RCC

P-37

Water: Dry

depth

description

0-6' Fill consisting of cinders, brick & concrete, black silt/sand

6-8' Tan silt

0-6' 0 ppm PID

6-8' 0 ppm PID Sampled 6.5-7'

Slight petroleum odor, no staining

Hole - 0.7 ppm PID

P-38

Water: Dry

depth

description

0-1.5' Fill consisting of cinders, brick & concrete, black silt/sand

1.5-8' Tan silt

0-1.5' 0 ppm PID

1.5-8' 0 ppm PID Sampled 6.5-7'

No petroleum odor, no staining

Hole - 0.5 ppm PID

P-39

Water: Dry

depth

description

0-1.5' Fill consisting of cinders, brick & concrete, black silt/sand

1.5-3.5' Reddish, tan silt

3.5-4' Rock

4-5' NR

5-6' Orange silt

6-8' Buff silt w/ weathered rock

0-1.5' 0 ppm PID

1.5-3.5' 0 ppm PID

3.5-4' 0 ppm PID

4-5' 0 ppm PID

5-6' 0 ppm PID

6-8' 0 ppm PID Sampled 6.5-7'

No petroleum odor, no staining

Hole - 3 ppm PID

P-40	Water: Dry
<u>depth</u>	<u>description</u>
0-6"	Fill consisting of cinders, brick & concrete, black silt/sand
0.5-2.5'	Tan silt
2.5-4'	Tan silt, then concrete or rock, refusal, no sample

No petroleum odor, no staining

P-41	Water: Dry
<u>depth</u>	<u>description</u>
0-1'	Fill consisting of cinders, brick & concrete, black silt/sand
1-2'	Tan silt
2-8'	Weathered rock
0-1'	0 ppm PID
1-2'	0 ppm PID
2-8'	0 ppm PID

No sample, no matrix to sample
No petroleum odor, no staining

Hole - 0.5 ppm PID

P-42	Water: Damp 10-11'
<u>depth</u>	<u>description</u>
0-1'	Fill consisting of cinders, brick & concrete, black silt/sand
1-2'	Fill consisting of cinders, brick & concrete, black silt/sand
2-6'	Tan silt
6.5-8'	Black silt
8-10'	NR
10-11'	Gravel, damp
11-12'	Buff to olive silt
12-13'	Gravel
13-14'	Tan silt, dry refusal @14'
0-1'	1.9 ppm PID
1-2'	0 ppm PID
2-6'	0 ppm PID
6.5-8'	0 ppm PID
8-10'	0 ppm PID

10-11'	0 ppm PID	
11-12'	0 ppm PID	
12-13'	0 ppm PID	
13-14'	0 ppm PID	"A" Sample 13.5-14'

No petroleum odor, no staining

Hole - 1.5 ppm PID

P-43	Water:	Dry
<u>depth</u>	<u>description</u>	
0-4'	Fill consisting of cinders, brick & concrete, black silt/sand	
4-4.5'	Rock or concrete	

No sample

No petroleum odor, no staining

Hole - 1.2 ppm PID

P-44	Water:	Dry
<u>depth</u>	<u>description</u>	
6.5'	Refusal	

No sample

Slight petroleum odor, no staining

Hole - 18 ppm PID

P-45	Water:	Dry
<u>depth</u>	<u>description</u>	
5.5'	Refusal	

No sample

No petroleum odor, no staining

Hole - 1.2 ppm PID

P-46	Water:	Wet 8.5-9'
<u>depth</u>	<u>description</u>	
0-1'	Fill	
1-8.5'	Tan silt	
8.5-9'	Gravel, wet	

9-9.5' Dry, buff silt, refusal

0-1' 0 ppm PID

1-8.5' 0 ppm PID

8.5-9' 0.2 ppm PID

9-9.5' 0 ppm PID

No sample

No petroleum odor, no staining

Hole - 13.5 ppm PID

P-47	Water:	Dry
<u>depth</u>	<u>description</u>	
0-1'	Fill, cinders	
1-11.5'	Tan to buff silt	
11.5-14'	buff to olive weathered rock	

0-6"	0 ppm PID	"A" Sample
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6-12"	0 ppm PID	
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12-18"	0 ppm PID	
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18-24"	0 ppm PID	"A" Sample
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2-11'	0 ppm PID	
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11-11.5'	0 ppm PID	"B" Sample
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11.5-14'	0 ppm PID	
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No odor, or Staining

Hole - 0.7 ppm PID

P-48	Water:	When complete, hole quickly filled w/ surface runoff
<u>depth</u>	<u>description</u>	

0-1'	Fill, cinders	
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1-12'	Tan silt	
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12-16'	Soft, tan silt	
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0-6"	0 ppm PID	"A" Sample
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6-12"	0 ppm PID	"A" Sample
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12-18"	0 ppm PID	
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18-24"	0 ppm PID	
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2-14.5'	0 ppm PID	
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14.5-15'	0 ppm PID	"B" Sample
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15-16'	0 ppm PID	
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No odor, or Staining

Hole - 0.5 ppm PID

P-49	Water:	Dry
<u>depth</u>	<u>description</u>	
0-1'	Fill, ash/cinders	
1-8'	Tan silt, rock @ 6.5-8'	
8-10.5'	Tan silt, w/ rock	
0-6"	3.1 ppm PID	"A" Sample
6-12"	12.5 ppm PID	"A" Sample
12-18"	0.5 ppm PID	
18-24"	0.7 ppm PID	

"B" Sample 10-10.5'

No odor, or Staining

Hole - 1.9 ppm PID

P-50	Water:	Dry
<u>depth</u>	<u>description</u>	
0-5'	Fill	
5-8'	Tan silt	
8-12'	Reddish brown silt	
12-16'	Tan silt	
0-6"	0.1 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	
2-10.5'	0 ppm PID	

"B" Sample 14-14.5'

No odor, or Staining

Hole - 1.0 ppm PID

P-51	Water:	Dry
<u>depth</u>	<u>description</u>	
0-1.5'	Fill	
1.5-8'	Tan silt	
8-16'	Tan silt	

0-6"	0 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	"A" Sample
2-14.5'	0 ppm PID	
14.5-15'	1.5 ppm PID	Slight odor, no staining
15-16'	1 ppm PID	

"B" Sample - 14.5-15'

Hole = 77.1 ppm

9-Apr-14

Weather: Clear and Cool 45°F

(Rain 4/7, 4/8)

Samplers: SRC & RCC

P-52 Water: Dry

Depth Description

0-0.75' Dark Silt (Moist)

0.75-1.0' Orange silty clay

1.0-2.0' Tan silt w/ rock fragments

0-6" 0 ppm PID "A" Sample

1.5-2' 0 ppm PID "A" Sample

Hole - 8.8 ppm PID

P-53 Water: Dry

Depth Description

0-1.5' Dark Silt/Stone Fill

1.5-2.0' Orange; Moist Silty Clay

0-6" 0 ppm PID "A" Sample

1.5-2.0' 0 ppm PID "A" Sample

hole - 0 ppm PID

P-54 Water: Dry

Depth Description

0-1.5' Odor 0-6", Dark Silt/Stone Fill

1.5-2.0' Tan Silt, dry

0-1.5' 0 ppm PID "A" Sample 0-6"

1.5-2.0' 0 ppm PID "A" Sample

Hole - 1.2 ppm PID

P-55 Water: Dry

Depth Description

0-1' Dark Silt, Moist

1-2' Orange Silt, Wet

0-6" 0 ppm PID

6-12" 3.1 ppm PID "A" Sample 9-14"

12-18" 0.8 ppm PID

18-24" 0.4 ppm PID

Hole - 0.5 ppm PID

P-56	Water:	Dry
<u>Depth</u>	<u>Description</u>	
0-0.5'	Dark Silt w/ Rock Fragments	
0.5-2.0'	Orange Silt (Moist)	
0-6"	0 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	"A" Sample

Hole - 0 ppm PID

P-57	Water:	Dry	
<u>Depth</u>	<u>Description</u>		
0-1.5'	Dark Silt, Fill/Brick		
1.5-3'	Tan Silt		
3-4.5'	Tan Silt		
4.5-7'	Grey, Green Silt, Fuel Odor		
7-9'	Tan Silt w/ Rock, Dry, Fuel Oil Odor		
9-10'	Dark Silt, w/ Stone, Wet		
0-6"	0 ppm PID	5.5'	4.2 ppm PID
6-12"	0 ppm PID	6'	9.5 ppm PID
12-18"	0 ppm PID	6.5'	9.4 ppm PID
18-24"	0 ppm PID	7'	9.4 ppm PID
24-30"	0 ppm PID	7.5'	17 ppm PID
30-36"	0 ppm PID	8'	22.6 ppm PID "A" Sample
3.5'	0 ppm PID	8.5'	21.3 ppm PID
4'	0 ppm PID	9'	12.6 ppm PID
4.5'	0 ppm PID	9.5'	29.9 ppm PID
5'	4.3 ppm PID	10'	29.9 ppm PID

Hole - 2.0 ppm PID

P-58	Water:	Dry
<u>Depth</u>	<u>Description</u>	
0-0.5'	Black Silt - Tan Clay	
0.5-1.5'	Tan Clay - Brown Clay	
1.5-2'	Moist Brown Clay	

2-3' Stained Grey/Tan Clay

0-6"	100.8 ppm PID	"A" Sample
6-12"	1.5 ppm PID	
12-18"	0.5 ppm PID	
18-24"	0.3 ppm PID	
24-30"	22.4 ppm PID	
30-36"	52.6 ppm PID	

Hole - 17.8 ppm PID

P-59 Water: Dry

<u>Depth</u>	<u>Description</u>
0-1.5'	Moist Black Silt
1.5-2'	Brick - Clay

0-6"	1.8 ppm PID	"A" Sample
6-12"	933.6 ppm PID	"A" Sample
12-18"	217.7 ppm PID	
18-24"	66.4 ppm PID	

Hole - >200 ppm PID

Fuel Oil odor at depth ~4'

Drum #74 next to hole "Flammable Paint"

P-60 Water: Dry

<u>Depth</u>	<u>Description</u>
0-1.5'	Black Silt, Moist
1.5-2'	Clay

0-6"	11.3 ppm PID	"A" Sample
6-12"	20.2 ppm PID	"A" Sample
12-18"	1.2 ppm PID	
18-24"	1.4 ppm PID	

Hole - 0.1 ppm PID

Refusal @ 2'

P-61 Water: Perched 2-2.5'

<u>Depth</u>	<u>Description</u>
0-0.5'	Black Silt, Moist

0.5-1.5' Tan Clay
1.5-2' Moist Clay

Hole - 0.1 ppm PID
Gray Silt 34-40"

0-6" 1.1 ppm PID "A" Sample
6-12" 0.1 ppm PID
12-18" 0 ppm PID
18-24" 0.1 ppm PID

P-62 Water:
Depth Description
0-1' Black Silt, Moist Dry
1-2' Brown Silt, Dry

0-6" 2 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0.1 ppm PID
18-24" 0.1 ppm PID

Hole - 1 ppm PID

P-63 Water:
Depth Description
0-0.5' Black Silt, Fill, M_r Standing water 6"
0.5-1' Black Silt, Fill, Wet
1-1.5' Black Silt, Fill, Moist
1.5-2' Brown Silt, Dense, Moist

0-6" 0 ppm PID "A" Sample
6-12" 0 ppm PID
12-18" 0 ppm PID
18-24" 0 ppm PID "A" Sample

Hole - 1.4 ppm PID

P-64 Water:
Depth Description
0-0.5' Black Silt Dry
0.5-1.5' Tan Clay

1.5-2' Tan Clay w/ Mottles

0-6"	0 ppm PID	"A" Sample
6-12"	0 ppm PID	
12-18"	0 ppm PID	
18-24"	0 ppm PID	"A" Sample

Hole - 1.1 ppm PID

P-65 Water:

<u>Depth</u>	<u>Description</u>
0-8"	Black Silt Fill, Oil Dry
8-11"	Grade into Orange Silt

0-8"	1.7 ppm PID	"A" Sample
8-11"	2.8 ppm PID	

Hole - 2.0 ppm PID

P-66 Water:

<u>Inches</u>	<u>Description</u>
0-6"	Dark Gravel Fill, Dry
6-10"	Black/Tan Silt/Fill

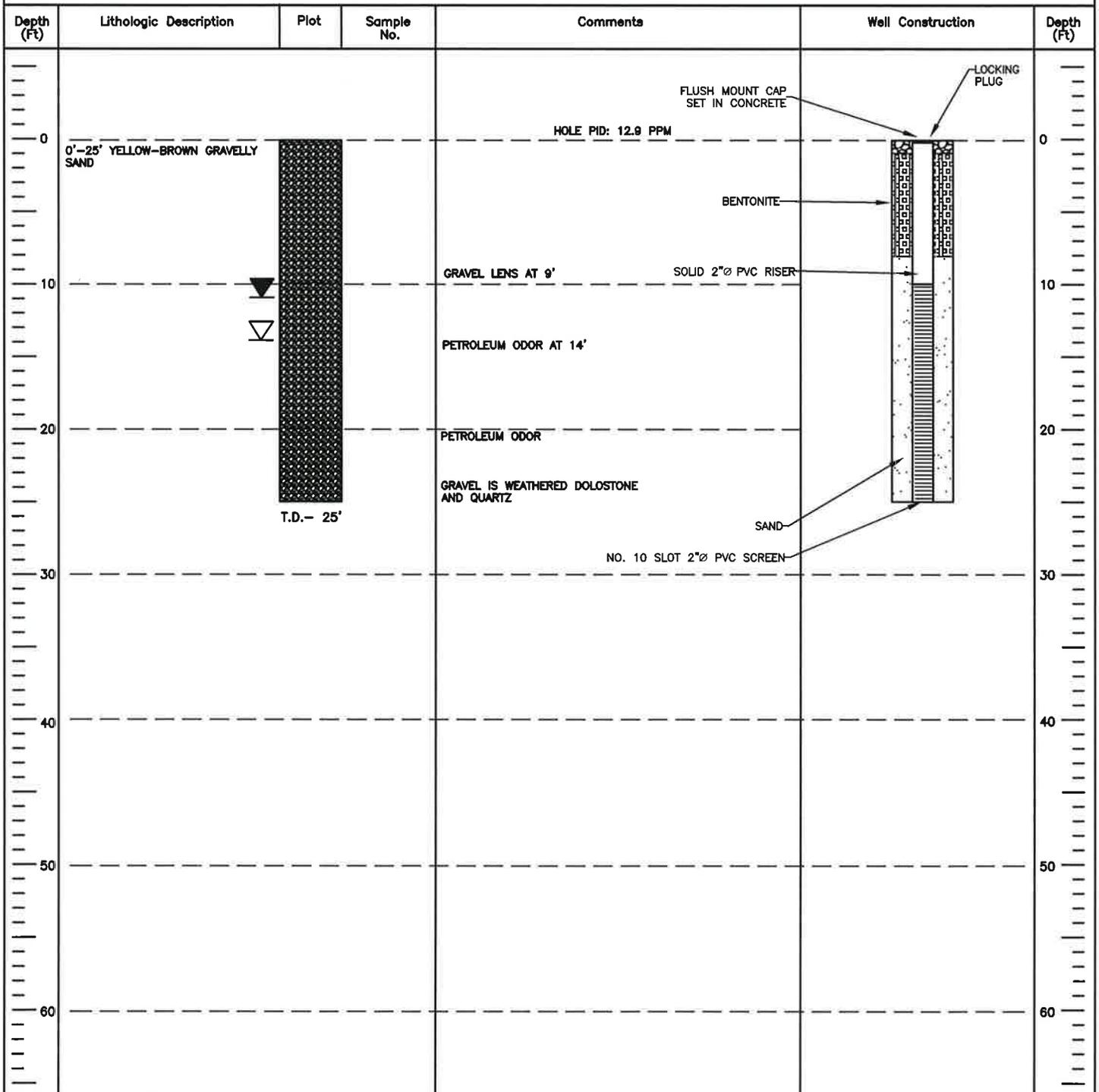
0-6"	1 ppm PID	
6-10"	1.3 ppm PID	"A" Sample

Hole - 2.0 ppm PID

Appendix G
Monitoring Well Logs

Boring Number: MW-1
 Site Description: ALLENTOWN METAL WORKS
 Surface Elevation (Ft/MSL): 278.26
 Borehole Diameter: 6 Inches, From 0 To 25'
 Total Depth: 25'
 Depth to Static Water Level (SWL): 11.02 (Ft)
 Date SWL Measured: 1/14/14 (mm/dd/yy)

Drilling Method: AIR ROTARY
 Date Drilled: 01/14/14 (mm/dd/yy)
 Drilled By: G.S. GARBER & SONS
 Drillers License Number: 0188
 Logged By: JMK (EARTHRES)
 County: LEHIGH
 Township or Municipality: CITY OF ALLENTOWN



* Encountered Groundwater

Composite Static Water Level

** Recovered/Attempted

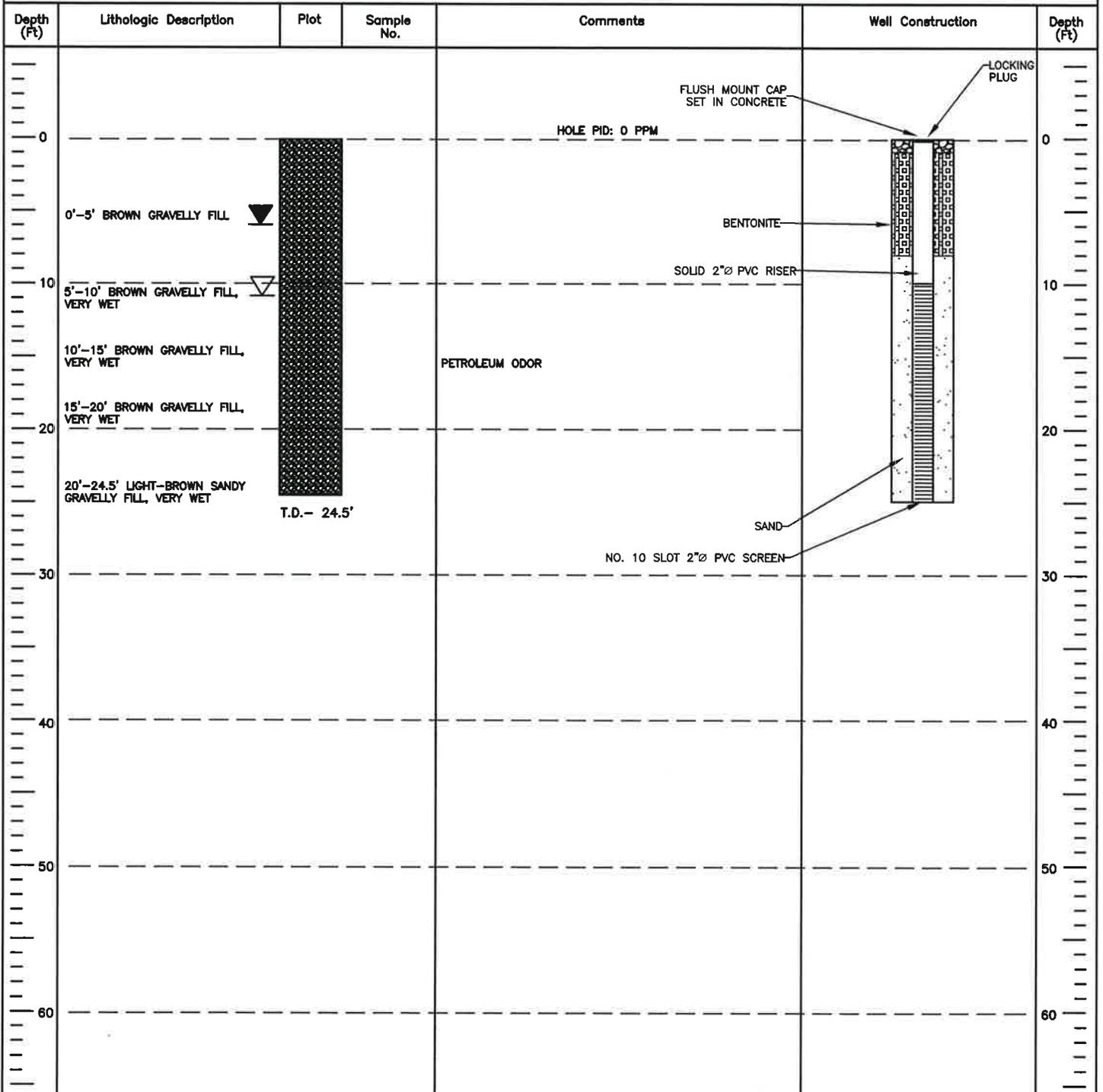
Boring Number: <u>MW-2</u>	Drilling Method: <u>AIR ROTARY</u>
Site Description: <u>ALLENTOWN METAL WORKS</u>	Date Drilled: <u>1/14/14</u> (mm/dd/yy)
Surface Elevation (Ft/MSL): <u>258.72</u>	Drilled By: <u>G.S. GARBER & SONS</u>
Borehole Diameter: <u>6</u> Inches, From <u>0</u> To <u>22'</u>	Drillers License Number: <u>0188</u>
Total Depth: <u>22'</u>	Logged By: <u>JMK (EARTHRES)</u>
Depth to Static Water Level (SWL): <u>8.25</u> (Ft)	County: <u>LEHIGH</u>
Date SWL Measured: <u>1/16/14</u> (mm/dd/yy)	Township or Municipality: <u>CITY OF ALLENTOWN</u>

Depth (Ft)	Lithologic Description	Plot	Sample No.	Comments	Well Construction	Depth (Ft)
0				HOLE PID: 20-30 PPM	FLUSH MOUNT CAP SET IN CONCRETE	0
0'-5'	BROWN GRAVELLY FILL, MOIST				LOCKING PLUG	
5'-10'	YELLOW-BROWN GRAVEL			PETROLEUM ODOR AT 10'	BENTONITE	10
10'-15'	YELLOW-BROWN GRAVELLY SAND			PETROLEUM ODOR, WET	SOLID 2"Ø PVC RISER	
15'-20'	LIGHT-BROWN VERY GRAVELLY SAND			WEATHERED DOLOSTONE AT 18' BGS, WET		20
20'-22'	LIGHT-BROWN VERY GRAVELLY SAND	T.D.- 22'		GRAVEL IS WEATHERED DOLOSTONE AND QUARTZ	SAND	
					NO. 10 SLOT 2"Ø PVC SCREEN	30
30						30
40						40
50						50
60						60

* ▽ Encountered Groundwater ▼ Composite Static Water Level ** Recovered/Attempted

Boring Number: MW-3
 Site Description: ALLENTOWN METAL WORKS
 Surface Elevation (Ft/MSL): 256.08
 Borehole Diameter: 6 Inches, From 0 To 24.5'
 Total Depth: 24.5'
 Depth to Static Water Level (SWL): 6.10 (Ft)
 Date SWL Measured: 1/16/14 (mm/dd/yy)

Drilling Method: AIR ROTARY
 Date Drilled: 1/14/14 (mm/dd/yy)
 Drilled By: G.S. GARBER & SONS
 Drillers License Number: 0188
 Logged By: JMK (EARTHRES)
 County: LEHIGH
 Township or Municipality: CITY OF ALLENTOWN



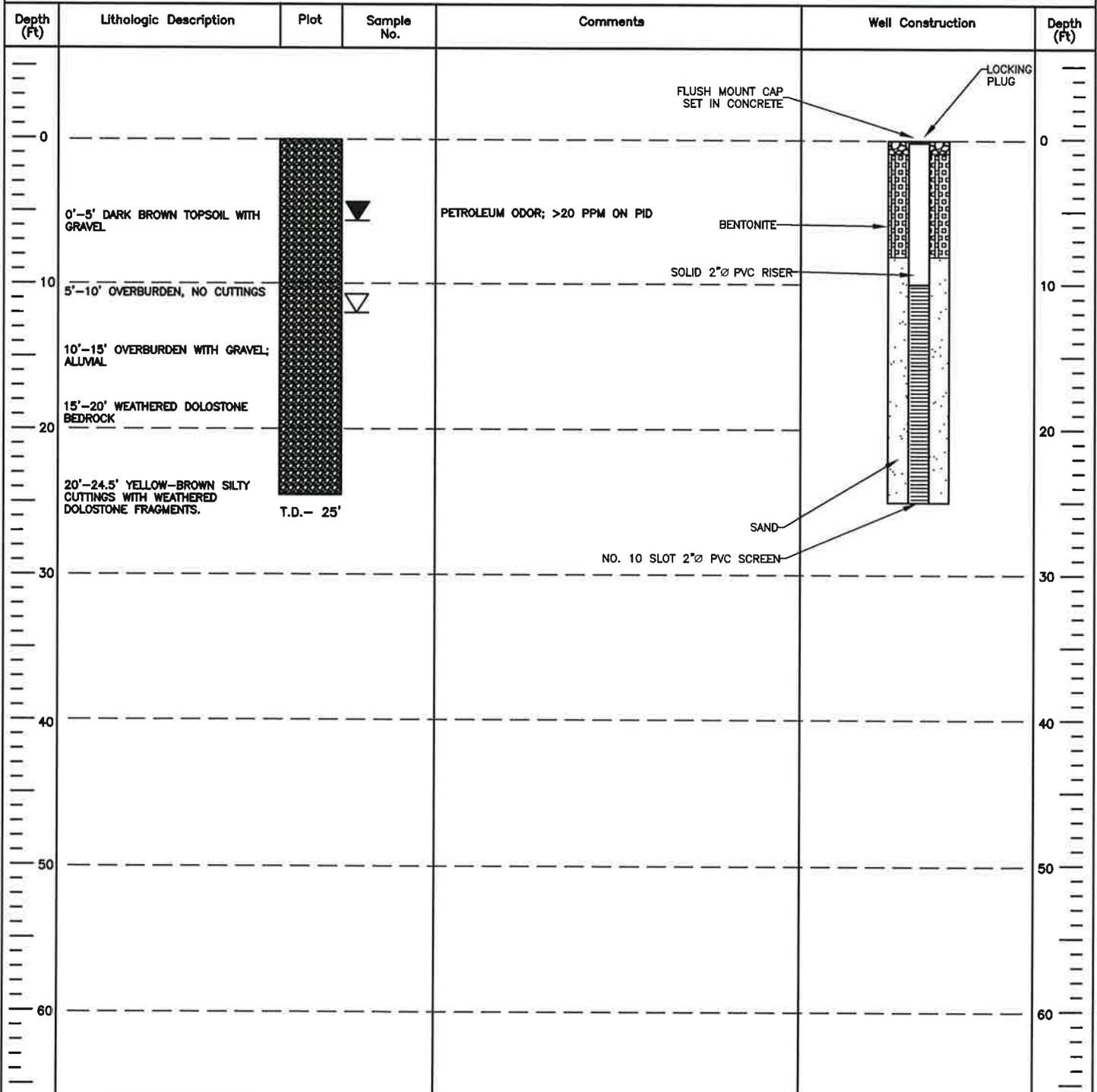
* ▽ Encountered Groundwater

▼ Composite Static Water Level

** Recovered/Attempted

Boring Number: MW-4
 Site Description: ALLENTOWN METAL WORKS
 Surface Elevation (Ft/MSL): 255.29
 Borehole Diameter: 6 Inches, From 0 To 25'
 Total Depth: 25'
 Depth to Static Water Level (SWL): 5.34 (Ft)
 Date SWL Measured: 1/16/14 (mm/dd/yy)

Drilling Method: AIR ROTARY
 Date Drilled: 1/14/14 (mm/dd/yy)
 Drilled By: G.S. GARBER & SONS
 Drillers License Number: 0188
 Logged By: JMK (EARTHRES)
 County: LEHIGH
 Township or Municipality: CITY OF ALLENTOWN



* Encountered Groundwater

Composite Static Water Level

** Recovered/Attempted

Boring Number: <u>MW-5</u>	Drilling Method: <u>AUGER</u>
Site Description: <u>ALLENTOWN METAL WORKS</u>	Date Drilled: <u>1/15/14</u> (mm/dd/yy)
Surface Elevation (Ft/MSL): <u>255.78</u>	Drilled By: <u>G.S. GARBER & SONS</u>
Borehole Diameter: <u>6</u> Inches, From <u>0</u> To <u>16'</u>	Drillers License Number: <u>0188</u>
Total Depth: <u>16'</u>	Logged By: <u>JMK (EARTHRES)</u>
Depth to Static Water Level (SWL): <u>5.52</u> (Ft)	County: <u>LEHIGH</u>
Date SWL Measured: <u>1/16/14</u> (mm/dd/yy)	Township or Municipality: <u>CITY OF ALLENTOWN</u>

Depth (Ft)	Lithologic Description	Plot	Sample No.	Comments	Well Construction	Depth (Ft)
0					FLUSH MOUNT CAP SET IN CONCRETE	0
0'-5'	RAIL BED FILL	▼		PETROLEUM ODOR ON CUTTINGS; 2.4 PPM ON PID	BENTONITE	
5'-10'	GRAVELLY FILL	▽		0.5 PPM ON PID	SOLID 2"Ø PVC RISER	10
10'-15'	GRAVELLY FILL			PETROLEUM ODOR; 0.5 PPM ON PID REFUSAL AT 16'	SAND	
					NO. 10 SLOT 2"Ø PVC SCREEN	20
20						20
30						30
40						40
50						50
60						60

* ▽ Encountered Groundwater ▼ Composite Static Water Level ** Recovered/Attempted

Boring Number: MW-6 Drilling Method: AUGER
 Site Description: ALLENTOWN METAL WORKS Date Drilled: 1/15/14 (mm/dd/yy)
 Surface Elevation (Ft/MSL): 257.90 Drilled By: G.S. GARBER & SONS
 Borehole Diameter: 6 Inches, From 0 To 15' Drillers License Number: 0188
 Total Depth: 15' Logged By: JMK (EARTHRES)
 Depth to Static Water Level (SWL): 7.50 (Ft) County: LEHIGH
 Date SWL Measured: 1/16/14 (mm/dd/yy) Township or Municipality: CITY OF ALLENTOWN

Depth (Ft)	Lithologic Description	Plot	Sample No.	Comments	Well Construction	Depth (Ft)	
0	0'-2' FILL			PETROLEUM ODOR		0	
	2'-8' TAN SILT			PETROLEUM ODOR			
10	8'-12' DARK BROWN FINE GRAVELLY FILL			OILY SHEEN ON CUTTINGS			10
20	12'-15' ASH LIKE FILL			STRONG ODOR ON AUGER, 24.5 PPM; OILY SHEEN AND STAINING VISIBLE ON CUTTINGS			20
30						30	
40						40	
50						50	
60						60	

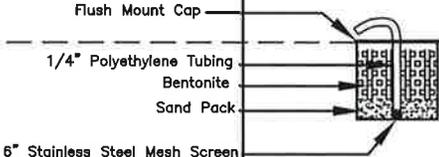
* Encountered Groundwater

Composite Static Water Level

** Recovered/Attempted

Appendix H
Soil Gas Probe Logs

Boring Number: <u>SG-1</u> Site Description: <u>ALLENTOWN METAL WORKS</u> Surface Elevation (Ft/MSL): <u>APPROX. 264'</u> Borehole Diameter: <u>2</u> Inches, From <u>0</u> To <u>4'</u> Total Depth: <u>4'</u> Depth to Static Water Level (SWL): <u>NA</u> (Ft) Date SWL Measured: <u>NA</u> (mm/dd/yy)	Drilling Method: <u>GEOPROBE</u> Date Drilled: <u>05/05/14</u> (mm/dd/yy) Drilled By: <u>TPI</u> Drillers License Number: <u>NA</u> Logged By: <u>SRC (EARTHRES)</u> County: <u>LEHIGH</u> Township or Municipality: <u>CITY OF ALLENTOWN</u>
---	---

Depth (Ft)	Lithologic Description	Plot	Sample No.	Comments	Borehole Construction	Depth (Ft)
0	0 - 4' FILL		T.D.- 4'	-No water encountered. -No petroleum odors noted. -No stained soils noted.		0
10				HOLE PID: 0 PPM		10
20						20
30						30
40						40
50						50
60						60

*  Encountered Groundwater  Composite Static Water Level ** Recovered/Attempted

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WV office 304.212.6866
toll free 800.264.4553

1224C Pineview Drive
Morgantown, WV 26505

Boring Number: SG-2
 Site Description: ALLENTOWN METAL WORKS
 Surface Elevation (Ft/MSL): APPROX. 258'
 Borehole Diameter: 2 Inches, From 0 To 4'
 Total Depth: 4'
 Depth to Static Water Level (SWL): NA (Ft)
 Date SWL Measured: NA (mm/dd/yy)

Drilling Method: GEOPROBE
 Date Drilled: 05/05/14 (mm/dd/yy)
 Drilled By: TPI
 Drillers License Number: NA
 Logged By: SRC (EARTHRES)
 County: LEHIGH
 Township or Municipality: CITY OF ALLENTOWN

Depth (Ft)	Lithologic Description	Plot	Sample No.	Comments	Borehole Construction	Depth (Ft)
0	0'-2' FILL 2'-4' TAN SILT			-No water encountered. -Petroleum odors noted. -Stained soils noted at bottom.		0
10				HOLE PID: 0.6 PPM		10
20						20
30						30
40						40
50						50
60						60

*  Encountered Groundwater  Composite Static Water Level ** Recovered/Attempted



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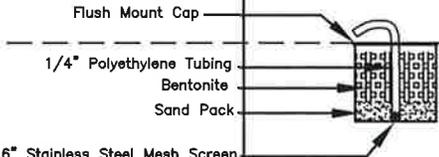
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WV office 304.212.6866
toll free 800.264.4553

1224C Pineview Drive
Morgantown, WV 26505

Boring Number: <u>SG-3</u>	Drilling Method: <u>GEOPROBE</u>
Site Description: <u>ALLENTOWN METAL WORKS</u>	Date Drilled: <u>05/05/14</u> (mm/dd/yy)
Surface Elevation (Ft/MSL): <u>APPROX. 257'</u>	Drilled By: <u>TPI</u>
Borehole Diameter: <u>2</u> Inches, From <u>0</u> To <u>4'</u>	Drillers License Number: <u>NA</u>
Total Depth: <u>4'</u>	Logged By: <u>RCC (EARTHRES)</u>
Depth to Static Water Level (SWL): <u>NA</u> (Ft)	County: <u>LEHIGH</u>
Date SWL Measured: <u>NA</u> (mm/dd/yy)	Township or Municipality: <u>CITY OF ALLENTOWN</u>

Depth (Ft)	Lithologic Description	Plot	Sample No.	Comments	Borehole Construction	Depth (Ft)
0	0'-2' FILL, CONCRETE CINDERS AND ROCK 2'-4' TAN SILT (FILL)			-No water encountered. -No petroleum odors noted. -No stained soils noted.		0
10				HOLE PID: 0 PPM		10
20						20
30						30
40						40
50						50
60						60

*  Encountered Groundwater  Composite Static Water Level ** Recovered/Attempted

Appendix I
Laboratory Certificates of Analysis

July 21, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: 2014PC-AMW Soil Gas Testing	Workorder: 2017633
Purchase Order:	Workorder ID: AMW/111002.001 #15

Dear Mr. Campbell:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, July 8, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vicki A. Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

Mrs. Vicki A. Forney
Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 2017633 AMW/111002.001 #15

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2017633001	SG-1	Air	7/7/2014 09:21	7/8/2014 22:30	Collected By Customer
2017633002	SG-2	Air	7/7/2014 09:51	7/8/2014 22:30	Collected By Customer
2017633003	SG-3	Air	7/7/2014 10:06	7/8/2014 22:30	Collected By Customer

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633001**
Sample ID: **SG-1**

Date Collected: 7/7/2014 09:21 Matrix: Air
Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS @ STP									
Acetone	49		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Acrylonitrile	ND		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
tert-Amyl methyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Benzene	4		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Benzyl Chloride	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Bromodichloromethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Bromoform	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Bromomethane	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,3-Butadiene	ND		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
n-Butane	14		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
2-Butanone	7		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
tert-Butyl Alcohol	2		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Carbon Disulfide	4		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Carbon Tetrachloride	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chlorobenzene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chlorodibromomethane	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chloroethane	ND		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chloroform	25		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chloromethane	1		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
3-Chloro-1-propene	ND		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
o-Chlorotoluene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Cyclohexane	3		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Dichlorodifluoromethane	2		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,3-Dichloropropene, Total	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Diisopropyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633001**

Date Collected: 7/7/2014 09:21 Matrix: Air

Sample ID: **SG-1**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,4-Dioxane	ND		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Ethanol	220		ug/m3	4	TO-15	7/16/14 ECB	7/16/14 21:51	ECB	A
Ethyl Acetate	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Ethyl tert-butyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Ethylbenzene	20		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
4-Ethyltoluene	10		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Freon 113	3		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Freon-114	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Heptane	39		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Hexachlorobutadiene	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Hexane	150		ug/m3	7	TO-15	7/16/14 ECB	7/16/14 21:51	ECB	A
2-Hexanone	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Isopropyl Alcohol	15		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Isopropylbenzene	3		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
p-Isopropyltoluene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Methyl Methacrylate	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Methyl t-Butyl Ether	54	10	ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
4-Methyl-2-Pentanone(MIBK)	1		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Methylene Chloride	240	2	ug/m3	7	TO-15	7/16/14 ECB	7/16/14 21:51	ECB	A
Naphthalene	14	4	ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
iso-Octane	10		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
n-Propylbenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Propylene	3		ug/m3	0.3	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Styrene	2		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Tetrachloroethene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Tetrahydrofuran	ND		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Toluene	110		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Total Xylenes	250		ug/m3	3	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2,4-Trichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Trichloroethene	2		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Trichlorofluoromethane	3		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2,3-Trichloropropane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2,4-Trimethylbenzene	40		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,3,5-Trimethylbenzene	26		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2,3-Trimethylbenzene	15	6	ug/m3	1	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633001**

Date Collected: 7/7/2014 09:21 Matrix: Air

Sample ID: **SG-1**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Vinyl Acetate	ND		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Vinyl Bromide	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
o-Xylene	72		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
mp-Xylene	170		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Acetone	21		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Acrylonitrile	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
tert-Amyl methyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Benzene	1.4		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Benzyl Chloride	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Bromodichloromethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Bromoform	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Bromomethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,3-Butadiene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
n-Butane	5.8		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
2-Butanone	2.3		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
tert-Butyl Alcohol	0.63		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Carbon Disulfide	1.4		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Carbon Tetrachloride	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chlorodibromomethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chloroform	5.2		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Chloromethane	0.54		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
3-Chloro-1-propene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
o-Chlorotoluene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Cyclohexane	0.82		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2-Dibromoethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,3-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,4-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Dichlorodifluoromethane	0.41		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1-Dichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2-Dichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
cis-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
trans-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2-Dichloropropane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633001**

Date Collected: 7/7/2014 09:21 Matrix: Air

Sample ID: **SG-1**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
cis-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
trans-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,3-Dichloropropene, Total	ND		ppbv	0.40	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Diisopropyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,4-Dioxane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Ethanol	120		ppbv	2.0	TO-15	7/16/14 ECB	7/16/14 21:51	ECB	A
Ethyl Acetate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Ethyl tert-butyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Ethylbenzene	4.7		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
4-Ethyltoluene	2.1		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Freon 113	0.46		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Freon-114	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Heptane	9.4		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Hexachlorobutadiene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Hexane	44		ppbv	2.0	TO-15	7/16/14 ECB	7/16/14 21:51	ECB	A
2-Hexanone	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Isopropyl Alcohol	6.1		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Isopropylbenzene	0.58		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
p-Isopropyltoluene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Methyl methacrylate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Methyl t-Butyl Ether	15	9	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.23		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Methylene Chloride	69	1	ppbv	2.0	TO-15	7/16/14 ECB	7/16/14 21:51	ECB	A
Naphthalene	2.7	3	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
iso-Octane	2.2		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
n-Propylbenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Propylene	2.0		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Styrene	0.39		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Tetrachloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Tetrahydrofuran	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Toluene	29		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Total Xylenes	56		ppbv	0.60	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2,4-Trichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1,1-Trichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,1,2-Trichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Trichloroethene	0.40		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Trichlorofluoromethane	0.50		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633001**
Sample ID: **SG-1**

Date Collected: 7/7/2014 09:21 Matrix: Air
Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,2,3-Trichloropropane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2,4-Trimethylbenzene	8.2		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,3,5-Trimethylbenzene	5.3		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
1,2,3-Trimethylbenzene	3.0	5	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Vinyl Acetate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Vinyl Bromide	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
Vinyl Chloride	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
o-Xylene	17		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
mp-Xylene	40		ppbv	0.40	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)					TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A
4-Bromofluorobenzene (S)					TO-15	7/16/14 ECB	7/16/14 21:51	ECB	A
4-Bromofluorobenzene (S)	105		%	70 - 130	TO-15	7/16/14 ECB	7/16/14 21:51	ECB	A
4-Bromofluorobenzene (S)	105		%	70 - 130	TO-15	7/17/14 ECB	7/17/14 14:52	ECB	A



Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633002**

Date Collected: 7/7/2014 09:51 Matrix: Air

Sample ID: **SG-2**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS @ STP									
Acetone	21		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Acrylonitrile	ND		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
tert-Amyl methyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Benzene	14		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Benzyl Chloride	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Bromodichloromethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Bromoform	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Bromomethane	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,3-Butadiene	ND		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
n-Butane	6		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
2-Butanone	4		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
tert-Butyl Alcohol	2		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Carbon Disulfide	ND		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Carbon Tetrachloride	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chlorobenzene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chlorodibromomethane	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chloroethane	ND		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chloroform	9		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chloromethane	0.5		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
3-Chloro-1-propene	ND		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
o-Chlorotoluene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Cyclohexane	2		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Dichlorodifluoromethane	1		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2-Dichloroethane	2		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,3-Dichloropropene, Total	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Diisopropyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633002**
Sample ID: **SG-2**

Date Collected: 7/7/2014 09:51 Matrix: Air
Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,4-Dioxane	ND		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Ethanol	48		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Ethyl Acetate	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Ethyl tert-butyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Ethylbenzene	32		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
4-Ethyltoluene	15		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Freon 113	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Freon-114	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Heptane	20		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Hexachlorobutadiene	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Hexane	72		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
2-Hexanone	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Isopropyl Alcohol	8		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Isopropylbenzene	3		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
p-Isopropyltoluene	1		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Methyl Methacrylate	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Methyl t-Butyl Ether	21	6	ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
4-Methyl-2-Pentanone(MIBK)	1		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Methylene Chloride	120	4	ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Naphthalene	5	8	ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
iso-Octane	16		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
n-Propylbenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Propylene	4		ug/m3	0.3	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Styrene	1		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Tetrachloroethene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Tetrahydrofuran	18		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Toluene	140		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Total Xylenes	220		ug/m3	3	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2,4-Trichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Trichloroethene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Trichlorofluoromethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2,3-Trichloropropane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2,4-Trimethylbenzene	43		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,3,5-Trimethylbenzene	22		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2,3-Trimethylbenzene	12	10	ug/m3	1	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633002**

Date Collected: 7/7/2014 09:51 Matrix: Air

Sample ID: **SG-2**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Vinyl Acetate	ND		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Vinyl Bromide	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
o-Xylene	61		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
mp-Xylene	150		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Acetone	8.9		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Acrylonitrile	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
tert-Amyl methyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Benzene	4.4		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Benzyl Chloride	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Bromodichloromethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Bromoform	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Bromomethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,3-Butadiene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
n-Butane	2.4		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
2-Butanone	1.3		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
tert-Butyl Alcohol	0.67		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Carbon Disulfide	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Carbon Tetrachloride	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chlorodibromomethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chloroform	1.9		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Chloromethane	0.26		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
3-Chloro-1-propene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
o-Chlorotoluene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Cyclohexane	0.55		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2-Dibromoethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,3-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,4-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Dichlorodifluoromethane	0.28		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1-Dichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2-Dichloroethane	0.60		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
cis-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
trans-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2-Dichloropropane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633002**

Date Collected: 7/7/2014 09:51 Matrix: Air

Sample ID: **SG-2**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
cis-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
trans-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,3-Dichloropropene, Total	ND		ppbv	0.40	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Diisopropyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,4-Dioxane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Ethanol	26		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Ethyl Acetate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Ethyl tert-butyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Ethylbenzene	7.3		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
4-Ethyltoluene	3.0		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Freon 113	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Freon-114	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Heptane	4.8		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Hexachlorobutadiene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Hexane	20		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
2-Hexanone	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Isopropyl Alcohol	3.2		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Isopropylbenzene	0.62		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
p-Isopropyltoluene	0.26		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Methyl methacrylate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Methyl t-Butyl Ether	5.7	5	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.31		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Methylene Chloride	33	3	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Naphthalene	1.0	7	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
iso-Octane	3.5		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
n-Propylbenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Propylene	2.1		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Styrene	0.24		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Tetrachloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Tetrahydrofuran	6.3		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Toluene	36		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Total Xylenes	50		ppbv	0.60	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2,4-Trichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1,1-Trichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,1,2-Trichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Trichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Trichlorofluoromethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633002**

Date Collected: 7/7/2014 09:51 Matrix: Air

Sample ID: **SG-2**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,2,3-Trichloropropane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2,4-Trimethylbenzene	8.8		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,3,5-Trimethylbenzene	4.4		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
1,2,3-Trimethylbenzene	2.5	9	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Vinyl Acetate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Vinyl Bromide	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
Vinyl Chloride	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
o-Xylene	14		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
mp-Xylene	36		ppbv	0.40	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	89		%	70 - 130	TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A
4-Bromofluorobenzene (S)					TO-15	7/17/14 ECB	7/17/14 15:35	ECB	A

Vicki Forney
Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633003**

Date Collected: 7/7/2014 10:06 Matrix: Air

Sample ID: **SG-3**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS @ STP									
Acetone	13		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Acrylonitrile	ND		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
tert-Amyl methyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Benzene	2		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Benzyl Chloride	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Bromodichloromethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Bromoform	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Bromomethane	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,3-Butadiene	ND		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
n-Butane	ND		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
2-Butanone	2		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
tert-Butyl Alcohol	3		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Carbon Disulfide	ND		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Carbon Tetrachloride	1		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chlorobenzene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chlorodibromomethane	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chloroethane	ND		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chloroform	2		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chloromethane	ND		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
3-Chloro-1-propene	ND		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
o-Chlorotoluene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Cyclohexane	ND		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Dichlorodifluoromethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,3-Dichloropropene, Total	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Diisopropyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633003**

Date Collected: 7/7/2014 10:06 Matrix: Air

Sample ID: **SG-3**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,4-Dioxane	ND		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Ethanol	8		ug/m3	0.4	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Ethyl Acetate	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Ethyl tert-butyl ether	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Ethylbenzene	4		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
4-Ethyltoluene	2		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Freon 113	3		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Freon-114	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Heptane	2		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Hexachlorobutadiene	ND		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Hexane	20		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
2-Hexanone	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Isopropyl Alcohol	3		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Isopropylbenzene	1		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
p-Isopropyltoluene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Methyl Methacrylate	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Methyl t-Butyl Ether	2	4	ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Methylene Chloride	55	2	ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Naphthalene	6	6	ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
iso-Octane	4		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
n-Propylbenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Propylene	2		ug/m3	0.3	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Styrene	ND		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Tetrachloroethene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Tetrahydrofuran	ND		ug/m3	0.6	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Toluene	11		ug/m3	0.8	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Total Xylenes	38		ug/m3	3	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2,4-Trichlorobenzene	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Trichloroethene	6		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Trichlorofluoromethane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2,3-Trichloropropane	ND		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2,4-Trimethylbenzene	15		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,3,5-Trimethylbenzene	6		ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2,3-Trimethylbenzene	9	8	ug/m3	1	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633003**

Date Collected: 7/7/2014 10:06 Matrix: Air

Sample ID: **SG-3**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Vinyl Acetate	ND		ug/m3	0.7	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Vinyl Bromide	ND		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
o-Xylene	17		ug/m3	0.9	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
mp-Xylene	22		ug/m3	2	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Acetone	5.7		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Acrylonitrile	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
tert-Amyl methyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Benzene	0.52		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Benzyl Chloride	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Bromodichloromethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Bromoform	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Bromomethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,3-Butadiene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
n-Butane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
2-Butanone	0.70		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
tert-Butyl Alcohol	0.90		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Carbon Disulfide	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Carbon Tetrachloride	0.21		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chlorodibromomethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chloroform	0.45		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Chloromethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
3-Chloro-1-propene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
o-Chlorotoluene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Cyclohexane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2-Dibromoethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,3-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,4-Dichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Dichlorodifluoromethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1-Dichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2-Dichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
cis-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
trans-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2-Dichloropropane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633003**
Sample ID: **SG-3**

Date Collected: 7/7/2014 10:06 Matrix: Air
Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
cis-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
trans-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,3-Dichloropropene, Total	ND		ppbv	0.40	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Diisopropyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,4-Dioxane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Ethanol	4.2		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Ethyl Acetate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Ethyl tert-butyl ether	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Ethylbenzene	0.82		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
4-Ethyltoluene	0.47		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Freon 113	0.45		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Freon-114	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Heptane	0.38		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Hexachlorobutadiene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Hexane	5.7		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
2-Hexanone	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Isopropyl Alcohol	1.3		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Isopropylbenzene	0.23		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
p-Isopropyltoluene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Methyl methacrylate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Methyl t-Butyl Ether	0.53	3	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Methylene Chloride	16	1	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Naphthalene	1.1	5	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
iso-Octane	0.87		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
n-Propylbenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Propylene	1.0		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Styrene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Tetrachloroethene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Tetrahydrofuran	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Toluene	2.9		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Total Xylenes	8.8		ppbv	0.60	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2,4-Trichlorobenzene	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1,1-Trichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,1,2-Trichloroethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Trichloroethene	1.1		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Trichlorofluoromethane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

Lab ID: **2017633003**

Date Collected: 7/7/2014 10:06 Matrix: Air

Sample ID: **SG-3**

Date Received: 7/8/2014 22:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,2,3-Trichloropropane	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2,4-Trimethylbenzene	3.1		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,3,5-Trimethylbenzene	1.3		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
1,2,3-Trimethylbenzene	1.8	7	ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Vinyl Acetate	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Vinyl Bromide	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
Vinyl Chloride	ND		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
o-Xylene	3.9		ppbv	0.20	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
mp-Xylene	5.0		ppbv	0.40	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	95		%	70 - 130	TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A
4-Bromofluorobenzene (S)					TO-15	7/17/14 ECB	7/17/14 16:20	ECB	A



Mrs. Vicki A. Forney
Project Coordinator

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PARAMETER QUALIFIERS

#	Lab ID	Sample ID	Analytical Method	Analyte
1	2017633001	SG-1	TO-15	Methylene Chloride
The QC sample type LCS for method TO-15 was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 149 and the control limits were 60 to 140.				
2	2017633001	SG-1	TO-15	Methylene Chloride
The QC sample type LCS for method TO-15 was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 149 and the control limits were 60 to 140.				
3	2017633001	SG-1	TO-15	Naphthalene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 132% and the control limits were 70% to 130%.				
4	2017633001	SG-1	TO-15	Naphthalene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 132% and the control limits were 70% to 130%.				
5	2017633001	SG-1	TO-15	1,2,3-Trimethylbenzene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 136% and the control limits were 70% to 130%.				
6	2017633001	SG-1	TO-15	1,2,3-Trimethylbenzene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 136% and the control limits were 70% to 130%.				
9	2017633001	SG-1	TO-15	Methyl t-Butyl Ether
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 143 and the control limits were 70 to 130.				
10	2017633001	SG-1	TO-15	Methyl t-Butyl Ether
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 143 and the control limits were 70 to 130.				
3	2017633002	SG-2	TO-15	Methylene Chloride
The QC sample type LCS for method TO-15 was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 149 and the control limits were 60 to 140.				
4	2017633002	SG-2	TO-15	Methylene Chloride
The QC sample type LCS for method TO-15 was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 149 and the control limits were 60 to 140.				
5	2017633002	SG-2	TO-15	Methyl t-Butyl Ether
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 143 and the control limits were 70 to 130.				
6	2017633002	SG-2	TO-15	Methyl t-Butyl Ether
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 143 and the control limits were 70.				
7	2017633002	SG-2	TO-15	Naphthalene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 132% and the control limits were 70% to 130%.				
8	2017633002	SG-2	TO-15	Naphthalene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 132% and the control limits were 70% to 130%.				
9	2017633002	SG-2	TO-15	1,2,3-Trimethylbenzene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 136% and the control limits were 70% to 130%.				
10	2017633002	SG-2	TO-15	1,2,3-Trimethylbenzene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 136% and the control limits were 70% to 130%.				

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ANALYTICAL RESULTS

Workorder: 2017633 AMW/111002.001 #15

1	2017633003	SG-3	TO-15	Methylene Chloride
The QC sample type LCS for method TO-15 was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 149 and the control limits were 60 to 140.				
2	2017633003	SG-3	TO-15	Methylene Chloride
The QC sample type LCS for method TO-15 was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 149 and the control limits were 60 to 140.				
3	2017633003	SG-3	TO-15	Methyl t-Butyl Ether
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 143 and the control limits were 70 to 130.				
4	2017633003	SG-3	TO-15	Methyl t-Butyl Ether
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 143 and the control limits were 70 to 130.				
5	2017633003	SG-3	TO-15	Naphthalene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 132% and the control limits were 70% to 130%.				
6	2017633003	SG-3	TO-15	Naphthalene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 132% and the control limits were 70% to 130%.				
7	2017633003	SG-3	TO-15	1,2,3-Trimethylbenzene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 136% and the control limits were 70% to 130%.				
8	2017633003	SG-3	TO-15	1,2,3-Trimethylbenzene
This compound was recovered above quality control criteria in the initial calibration verification standard associated with this sample. The % Recovery was reported as 136% and the control limits were 70% to 130%.				

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34 Dogwood Lane
 Middletown, PA 17057
 P. 717-944-5541
 F. 717-944-1430

AIR ANALYSIS CHAIN-OF-CUSTODY/FIELD TEST DATA SHEET

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER.

1. CLIENT INFORMATION

Client Name/Address: Jeff Kadwick
612 Old Eastern Rd Pipersville, PA 18142
 Contact: Jeff Kadwick
 Phone#: 215-266-7745
 Project Name/#: AWW 11002-001 #15
 Bill To: Same as above
 Normal Standard TAT is 10-12 business days.
 Rush TAT subject to ALS approval and surcharges.
 Date Required: _____ Approved by: _____
 Email: _____
 Fax: _____

2. ANALYSES/METHOD REQUESTED

NO.	10-15 Analysis	STD LIST	OTHER
1	<input checked="" type="checkbox"/>		
2	<input checked="" type="checkbox"/>		
3	<input checked="" type="checkbox"/>		
4			
5			
6			
7			
8			
9			
10			

3. LABORATORY

LABORATORY CANISTER CERTIFIED BY: _____
 GC/MS Analyst Signature: Centric Johnson
 RECEIVING INFORMATION: Y N Initial
 COC Complete/Accurate?
 Labels Complete/Accurate?
 Cont. in Good Cond?
 Custody Seals Present?
 (if present) Seals Intact?
 Returned in ≤ 15 days?
 Custody Seal #s: 1287, 1288
 Custody Seal #s: See 12 Simmons Garage, Pipersville
 Courier/Tracking #: _____

4. FIELD DATA SHEET

SAMPLE INFORMATION FOR TO-15

Sample Description/Location (as it will appear on the lab report)	Sample Date	Start Time	Stop Time	Temp Deg C	1L	6L	Canister No.	Flow Controller No.	Canister Pressure (H ₂ O)		Setpoint (mL/min)
									Start	Stop	
1 SG-1	7/7/14	9:14	9:21	24.4	X		1860A	730107	24.6	-16.0	
2 SG-2	7/7/14	9:44	9:51	24.4	X		1861A	7305412	24.0	-15.9	
3 SG-3	7/7/14	10:06	10:08	24.4	X		1861A	7266992	24.5	-18.8	
4											
5											
6											
7											
8											
9											
10											

TO-15 FIELD DATA

Flow Controller	Canister Pressure (H ₂ O)	Canister Certification

LABORATORY RECORD

Canister Pressure (H ₂ O)	Canister Certification	Flow Controller

5. SAMPLED BY (Please Print):

Jeff Kadwick

LOGGED BY (signature): [Signature]

REVIEWED BY (signature): [Signature]

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<u>[Signature]</u>	7/8/14	11:24	<u>[Signature]</u>	7/8/14	11:24
<u>[Signature]</u>	7/8/14	20:20	<u>[Signature]</u>	7/8/14	20:20
<u>[Signature]</u>	7/8/14	22:50	<u>[Signature]</u>	7/8/14	22:50

6. PROJECT INFORMATION

Standard CLP-like
 DOD TO-15
 Other
 EDDS-Type: _____
 ALS Field Services: Pickup Labor Other: _____

State Samples Collected In
 NY NJ PA NC other

Phone: 1-717-944-5541

ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 03Mar2011

May 23, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name:	2014PC-AMW Soil Gas Testing	Workorder:	2006574
Purchase Order:		Workorder ID:	AMW/111002.001

Dear Mr. Campbell:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, May 13, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vicki A. Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Mrs. Vicki A. Forney
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2006574 AMW/111002.001

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2006574001	SG-1	Air	5/12/2014 09:57	5/13/2014 21:30	Collected by Client
2006574002	SG-2	Air	5/12/2014 10:23	5/13/2014 21:30	Collected by Client
2006574003	SG-3	Air	5/12/2014 10:49	5/13/2014 21:30	Collected by Client

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574001**

Date Collected: 5/12/2014 09:57 Matrix: Air

 Sample ID: **SG-1**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS @ STP									
Acetone	81		ug/m3	0.5	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Acrylonitrile	ND		ug/m3	0.4	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
tert-Amyl methyl ether	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Benzene	6		ug/m3	0.6	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Benzyl Chloride	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Bromodichloromethane	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Bromoform	ND		ug/m3	2	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Bromomethane	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,3-Butadiene	ND		ug/m3	0.4	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
n-Butane	32	2	ug/m3	0.5	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
2-Butanone	84		ug/m3	0.6	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
tert-Butyl Alcohol	1		ug/m3	0.6	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Carbon Disulfide	1		ug/m3	0.6	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Carbon Tetrachloride	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chlorobenzene	ND		ug/m3	0.9	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chlorodibromomethane	ND		ug/m3	2	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chloroethane	ND		ug/m3	0.5	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chloroform	1		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chloromethane	0.4		ug/m3	0.4	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
3-Chloro-1-propene	ND		ug/m3	0.6	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
o-Chlorotoluene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Cyclohexane	4		ug/m3	0.7	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Dichlorodifluoromethane	1		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,3-Dichloropropene, Total	ND		ug/m3	2	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Diisopropyl ether	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574001**

Date Collected: 5/12/2014 09:57 Matrix: Air

 Sample ID: **SG-1**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,4-Dioxane	ND		ug/m3	0.7	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Ethanol	140		ug/m3	4	TO-15	5/22/14 ECB	5/22/14 23:30	ECB	A
Ethyl Acetate	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Ethyl tert-butyl ether	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Ethylbenzene	4		ug/m3	0.9	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
4-Ethyltoluene	2		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Freon 113	3		ug/m3	2	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Freon-114	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Heptane	12		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Hexachlorobutadiene	ND		ug/m3	2	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Hexane	33		ug/m3	0.7	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
2-Hexanone	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Isopropyl Alcohol	37		ug/m3	0.5	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Isopropylbenzene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
p-Isopropyltoluene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Methyl Methacrylate	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.7	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Methylene Chloride	100		ug/m3	0.7	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Naphthalene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
iso-Octane	10		ug/m3	0.9	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
n-Propylbenzene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Propylene	ND		ug/m3	0.3	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Styrene	ND		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Tetrachloroethene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Tetrahydrofuran	160		ug/m3	6	TO-15	5/22/14 ECB	5/22/14 23:30	ECB	A
Toluene	40		ug/m3	0.8	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Total Xylenes	23		ug/m3	3	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2,4-Trichlorobenzene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Trichloroethene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Trichlorofluoromethane	2		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2,3-Trichloropropane	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2,4-Trimethylbenzene	5		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,3,5-Trimethylbenzene	2		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2,3-Trimethylbenzene	ND		ug/m3	1	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574001**

Date Collected: 5/12/2014 09:57 Matrix: Air

 Sample ID: **SG-1**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Vinyl Acetate	ND		ug/m3	0.7	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Vinyl Bromide	ND		ug/m3	0.9	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
o-Xylene	7		ug/m3	0.9	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
mp-Xylene	16		ug/m3	2	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Acetone	34		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Acrylonitrile	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
tert-Amyl methyl ether	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Benzene	1.9		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Benzyl Chloride	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Bromodichloromethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Bromoform	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Bromomethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,3-Butadiene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
n-Butane	13	1	ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
2-Butanone	28		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
tert-Butyl Alcohol	0.39		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Carbon Disulfide	0.36		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Carbon Tetrachloride	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chlorobenzene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chlorodibromomethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chloroethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chloroform	0.31		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Chloromethane	0.21		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
3-Chloro-1-propene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
o-Chlorotoluene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Cyclohexane	1.1		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2-Dibromoethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,3-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,4-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Dichlorodifluoromethane	0.30		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1-Dichloroethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2-Dichloroethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1-Dichloroethene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
cis-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
trans-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2-Dichloropropane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

Lab ID: **2006574001**

Date Collected: 5/12/2014 09:57 Matrix: Air

Sample ID: **SG-1**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
cis-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
trans-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,3-Dichloropropene, Total	ND		ppbv	0.40	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Diisopropyl ether	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,4-Dioxane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Ethanol	76		ppbv	2.0	TO-15	5/22/14 ECB	5/22/14 23:30	ECB	A
Ethyl Acetate	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Ethyl tert-butyl ether	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Ethylbenzene	1.0		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
4-Ethyltoluene	0.35		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Freon 113	0.44		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Freon-114	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Heptane	2.9		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Hexachlorobutadiene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Hexane	9.3		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
2-Hexanone	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Isopropyl Alcohol	15		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Isopropylbenzene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
p-Isopropyltoluene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Methyl methacrylate	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Methyl t-Butyl Ether	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Methylene Chloride	30		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Naphthalene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
iso-Octane	2.2		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
n-Propylbenzene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Propylene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Styrene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Tetrachloroethene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Tetrahydrofuran	55		ppbv	2.0	TO-15	5/22/14 ECB	5/22/14 23:30	ECB	A
Toluene	11		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Total Xylenes	5.3		ppbv	0.60	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2,4-Trichlorobenzene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1,1-Trichloroethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,1,2-Trichloroethane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Trichloroethene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Trichlorofluoromethane	0.32		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

Lab ID: **2006574001**

Date Collected: 5/12/2014 09:57 Matrix: Air

Sample ID: **SG-1**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,2,3-Trichloropropane	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2,4-Trimethylbenzene	1.0		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,3,5-Trimethylbenzene	0.44		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
1,2,3-Trimethylbenzene	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Vinyl Acetate	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Vinyl Bromide	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
Vinyl Chloride	ND		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
o-Xylene	1.5		ppbv	0.20	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
mp-Xylene	3.8		ppbv	0.40	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	106		%	70 - 130	TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
4-Bromofluorobenzene (S)					TO-15	5/22/14 ECB	5/22/14 22:45	ECB	A
4-Bromofluorobenzene (S)					TO-15	5/22/14 ECB	5/22/14 23:30	ECB	A
4-Bromofluorobenzene (S)	106		%	70 - 130	TO-15	5/22/14 ECB	5/22/14 23:30	ECB	A



Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574002**

Date Collected: 5/12/2014 10:23 Matrix: Air

 Sample ID: **SG-2**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS @ STP									
Acetone	60		ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Acrylonitrile	ND		ug/m3	0.4	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
tert-Amyl methyl ether	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Benzene	5		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Benzyl Chloride	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Bromodichloromethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Bromoform	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Bromomethane	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,3-Butadiene	ND		ug/m3	0.4	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
n-Butane	27	4	ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
2-Butanone	77		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
tert-Butyl Alcohol	0.8		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Carbon Disulfide	2		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Carbon Tetrachloride	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chlorobenzene	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chlorodibromomethane	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chloroethane	ND		ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chloroform	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chloromethane	0.5		ug/m3	0.4	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
3-Chloro-1-propene	ND		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
o-Chlorotoluene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Cyclohexane	3		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Dichlorodifluoromethane	1		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,3-Dichloropropene, Total	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Diisopropyl ether	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574002**

Date Collected: 5/12/2014 10:23 Matrix: Air

 Sample ID: **SG-2**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,4-Dioxane	ND		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Ethanol	130	2	ug/m3	0.4	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Ethyl Acetate	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Ethyl tert-butyl ether	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Ethylbenzene	5		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
4-Ethyltoluene	2		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Freon 113	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Freon-114	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Heptane	9		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Hexachlorobutadiene	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Hexane	19		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
2-Hexanone	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Isopropyl Alcohol	32		ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Isopropylbenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
p-Isopropyltoluene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Methyl Methacrylate	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Methylene Chloride	49		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Naphthalene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
iso-Octane	6		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
n-Propylbenzene	3		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Propylene	ND		ug/m3	0.3	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Styrene	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Tetrachloroethene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Tetrahydrofuran	100		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Toluene	35		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Total Xylenes	21		ug/m3	3	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2,4-Trichlorobenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Trichloroethene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Trichlorofluoromethane	1		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2,3-Trichloropropane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2,4-Trimethylbenzene	5		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,3,5-Trimethylbenzene	2		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2,3-Trimethylbenzene	1		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574002**

Date Collected: 5/12/2014 10:23 Matrix: Air

 Sample ID: **SG-2**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Vinyl Acetate	ND		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Vinyl Bromide	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
o-Xylene	6		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
mp-Xylene	16		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Acetone	25		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Acrylonitrile	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
tert-Amyl methyl ether	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Benzene	1.5		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Benzyl Chloride	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Bromodichloromethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Bromoform	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Bromomethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,3-Butadiene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
n-Butane	11	3	ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
2-Butanone	26		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
tert-Butyl Alcohol	0.27		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Carbon Disulfide	0.74		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Carbon Tetrachloride	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chlorodibromomethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chloroform	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Chloromethane	0.24		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
3-Chloro-1-propene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
o-Chlorotoluene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Cyclohexane	0.81		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2-Dibromoethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,3-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,4-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Dichlorodifluoromethane	0.26		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1-Dichloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2-Dichloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1-Dichloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
cis-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
trans-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2-Dichloropropane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574002**

Date Collected: 5/12/2014 10:23 Matrix: Air

 Sample ID: **SG-2**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
cis-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
trans-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,3-Dichloropropene, Total	ND		ppbv	0.40	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Diisopropyl ether	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,4-Dioxane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Ethanol	69	1	ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Ethyl Acetate	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Ethyl tert-butyl ether	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Ethylbenzene	1.2		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
4-Ethyltoluene	0.36		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Freon 113	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Freon-114	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Heptane	2.1		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Hexachlorobutadiene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Hexane	5.3		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
2-Hexanone	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Isopropyl Alcohol	13		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Isopropylbenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
p-Isopropyltoluene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Methyl methacrylate	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Methyl t-Butyl Ether	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
4-Methyl-2-Pentanone(MIBK)	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Methylene Chloride	14		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Naphthalene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
iso-Octane	1.3		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
n-Propylbenzene	0.59		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Propylene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Styrene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Tetrachloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Tetrahydrofuran	34		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Toluene	9.3		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Total Xylenes	4.9		ppbv	0.60	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2,4-Trichlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1,1-Trichloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,1,2-Trichloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Trichloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Trichlorofluoromethane	0.23		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574002**
 Sample ID: **SG-2**

 Date Collected: 5/12/2014 10:23 Matrix: Air
 Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,2,3-Trichloropropane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2,4-Trimethylbenzene	1.0		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,3,5-Trimethylbenzene	0.36		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
1,2,3-Trimethylbenzene	0.30		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Vinyl Acetate	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Vinyl Bromide	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
Vinyl Chloride	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
o-Xylene	1.3		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
mp-Xylene	3.6		ppbv	0.40	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)					TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A
4-Bromofluorobenzene (S)	104		%	70 - 130	TO-15	5/23/14 ECB	5/23/14 00:10	ECB	A

Vicki Forney
 Mrs. Vicki A. Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574003**
 Sample ID: **SG-3**

 Date Collected: 5/12/2014 10:49 Matrix: Air
 Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS @ STP									
Acetone	33		ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Acrylonitrile	ND		ug/m3	0.4	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
tert-Amyl methyl ether	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Benzene	1		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Benzyl Chloride	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Bromodichloromethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Bromoform	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Bromomethane	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,3-Butadiene	ND		ug/m3	0.4	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
n-Butane	7	2	ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
2-Butanone	16		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
tert-Butyl Alcohol	ND		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Carbon Disulfide	ND		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Carbon Tetrachloride	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chlorobenzene	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chlorodibromomethane	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chloroethane	ND		ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chloroform	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chloromethane	0.7		ug/m3	0.4	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
3-Chloro-1-propene	ND		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
o-Chlorotoluene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Cyclohexane	0.9		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2-Dibromoethane	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2-Dichlorobenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,3-Dichlorobenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,4-Dichlorobenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Dichlorodifluoromethane	2		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1-Dichloroethane	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2-Dichloroethane	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1-Dichloroethene	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
cis-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
trans-1,2-Dichloroethene	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2-Dichloropropane	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
cis-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
trans-1,3-Dichloropropene	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,3-Dichloropropene, Total	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Diisopropyl ether	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

Lab ID: **2006574003**

Date Collected: 5/12/2014 10:49 Matrix: Air

Sample ID: **SG-3**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,4-Dioxane	ND		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Ethanol	30		ug/m3	0.4	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Ethyl Acetate	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Ethyl tert-butyl ether	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Ethylbenzene	1		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
4-Ethyltoluene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Freon 113	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Freon-114	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Heptane	3		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Hexachlorobutadiene	ND		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Hexane	10		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
2-Hexanone	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Isopropyl Alcohol	12		ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Isopropylbenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
p-Isopropyltoluene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Methyl Methacrylate	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Methyl t-Butyl Ether	ND		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
4-Methyl-2-Pentanone(MIBK)	1		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Methylene Chloride	43		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Naphthalene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
iso-Octane	2		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
n-Propylbenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Propylene	ND		ug/m3	0.3	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Styrene	ND		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1,2,2-Tetrachloroethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Tetrachloroethene	9		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Tetrahydrofuran	25		ug/m3	0.6	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Toluene	9		ug/m3	0.8	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Total Xylenes	6		ug/m3	3	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2,4-Trichlorobenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1,1-Trichloroethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1,2-Trichloroethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Trichloroethene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Trichlorofluoromethane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2,3-Trichloropropane	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2,4-Trimethylbenzene	1		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,3,5-Trimethylbenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2,3-Trimethylbenzene	ND		ug/m3	1	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574003**
 Sample ID: **SG-3**

 Date Collected: 5/12/2014 10:49 Matrix: Air
 Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Vinyl Acetate	ND		ug/m3	0.7	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Vinyl Bromide	ND		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Vinyl Chloride	ND		ug/m3	0.5	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
o-Xylene	1		ug/m3	0.9	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
mp-Xylene	4		ug/m3	2	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Acetone	14		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Acrylonitrile	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
tert-Amyl methyl ether	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Benzene	0.46		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Benzyl Chloride	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Bromodichloromethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Bromoform	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Bromomethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,3-Butadiene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
n-Butane	2.9	1	ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
2-Butanone	5.4		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
tert-Butyl Alcohol	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Carbon Disulfide	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Carbon Tetrachloride	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chlorodibromomethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chloroform	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Chloromethane	0.32		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
3-Chloro-1-propene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
o-Chlorotoluene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Cyclohexane	0.25		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2-Dibromoethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,3-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,4-Dichlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Dichlorodifluoromethane	0.31		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1-Dichloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2-Dichloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1-Dichloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
cis-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
trans-1,2-Dichloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2-Dichloropropane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574003**
 Sample ID: **SG-3**

 Date Collected: 5/12/2014 10:49 Matrix: Air
 Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
cis-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
trans-1,3-Dichloropropene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,3-Dichloropropene, Total	ND		ppbv	0.40	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Diisopropyl ether	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,4-Dioxane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Ethanol	16		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Ethyl Acetate	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Ethyl tert-butyl ether	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Ethylbenzene	0.26		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
4-Ethyltoluene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Freon 113	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Freon-114	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Heptane	0.67		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Hexachlorobutadiene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Hexane	2.8		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
2-Hexanone	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Isopropyl Alcohol	4.7		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Isopropylbenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
p-Isopropyltoluene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Methyl methacrylate	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Methyl t-Butyl Ether	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
4-Methyl-2-Pentanone(MIBK)	0.27		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Methylene Chloride	12		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Naphthalene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
iso-Octane	0.45		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
n-Propylbenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Propylene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Styrene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1,2,2-Tetrachloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Tetrachloroethene	1.4		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Tetrahydrofuran	8.3		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Toluene	2.4		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Total Xylenes	1.3		ppbv	0.60	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2,4-Trichlorobenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1,1-Trichloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,1,2-Trichloroethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Trichloroethene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Trichlorofluoromethane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A

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ANALYTICAL RESULTS

Workorder: 2006574 AMW/111002.001

 Lab ID: **2006574003**

Date Collected: 5/12/2014 10:49 Matrix: Air

 Sample ID: **SG-3**

Date Received: 5/13/2014 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
1,2,3-Trichloropropane	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2,4-Trimethylbenzene	0.25		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,3,5-Trimethylbenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
1,2,3-Trimethylbenzene	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Vinyl Acetate	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Vinyl Bromide	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
Vinyl Chloride	ND		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
o-Xylene	0.34		ppbv	0.20	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
mp-Xylene	0.96		ppbv	0.40	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	106		%	70 - 130	TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A
4-Bromofluorobenzene (S)					TO-15	5/23/14 ECB	5/23/14 00:55	ECB	A



 Mrs. Vicki A. Forney
 Project Coordinator

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PARAMETER QUALIFIERS

#	Lab ID	Sample ID	Analytical Method	Analyte
1	2006574001	SG-1	TO-15	n-Butane
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 217 and the control limits were 70 to 130.				
2	2006574001	SG-1	TO-15	n-Butane
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 217 and the control limits were 70 to 130.				
1	2006574002	SG-2	TO-15	Ethanol
This compound was recovered above the calibration range of the instrument. The value given should be considered estimated.				
2	2006574002	SG-2	TO-15	Ethanol
This compound was recovered above the calibration range of the instrument. The value given should be considered estimated.				
3	2006574002	SG-2	TO-15	n-Butane
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 217 and the control limits were 70 to 130.				
4	2006574002	SG-2	TO-15	n-Butane
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 217 and the control limits were 70 to 130.				
1	2006574003	SG-3	TO-15	n-Butane
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 217 and the control limits were 70 to 130.				
2	2006574003	SG-3	TO-15	n-Butane
This compound was recovered above quality control criteria in the ending calibration verification standard associated with this sample. The % Recovery was reported as 217 and the control limits were 70 to 130.				

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34 Dogwood Lane
 Middletown, PA 17057
 P. 717-944-5541
 F. 717-944-1430

AIR ANALYSIS
CHAIN-OF-CUSTODY/FIELD TEST DATA SHEET
 ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/SAMPLER.



* 2 0 0 6 5 7 4 *

1. CLIENT INFORMATION

Client Name/Address: Earth On Corp
642 Old Eastern Rd Piquette, PA 18947
 Contact: Jeddy M. Kadegis
 Phone#: 215-746-1211
 Project Name/#: AMW / 111002-001
 Bill To: _____
 TAT: Normal- Standard TAT is 10-12 business days.
 Rush- TAT subject to ALS approval and surcharges.
 Date Required: _____ Approved By: _____
 Email? Y N Jeddy@earthon.com
 Fax? Y N _____

2. ANALYSES/METHOD REQUESTED

No.	TO-15 Analyzed	STD LIST	UST LIST	OTHER
1	<input checked="" type="checkbox"/>			
2	<input checked="" type="checkbox"/>			
3	<input checked="" type="checkbox"/>			
4				
5				
6				
7				
8				
9				
10				

3. LABORATORY

LABORATORY CANISTER CERTIFIED BY: _____
 GC/MS Analyst Signature: [Signature]
 CANISTERS PREPARED BY:
 Name: CHAL H. SIMMONS
 Title: SE, GC/MS ANALYST
 Custody Sealed Date/Time: 5/21/14 0700
 Date Shipped to Client: 5/21/14
 Custody Seal #(s): 1248, 1249
 Courier/Tracking #: _____

RECEIVING INFORMATION:

COC Complete/Accurate? Y N trial
 Labels Complete/Accurate? Y N
 Cont. in Good Cond.? Y N
 Custody Seals Present? Y N
 Returned in ≤ 15 days? Y N
 Custody Seal #(s): _____

4. FIELD DATA SHEET

Sample Description/Location (as it will appear on the lab report)	SAMPLE INFORMATION FOR TO-15			TO-15 FIELD DATA			LABORATORY RECORD			
	Sample Date	Start Time	Stop Time	Temp Deg C	Flow Controller No.	Canister No.	Canister Pressure (Psi)	Canister Certification	Canister Pressure (Psi)	Flow Controller Setpoint (ml/min)
1 <u>Sta-1</u>	<u>5/12/14</u>	<u>09:55</u>	<u>09:57</u>	<u>22</u>	<u>1804221</u>	<u>15184</u>	<u>29</u>	<u>16</u>		
2 <u>Sta-2</u>	<u>5/12/14</u>	<u>10:21</u>	<u>10:23</u>	<u>22</u>	<u>13047816</u>	<u>1862a</u>	<u>205</u>	<u>16</u>		
3 <u>Sta-3</u>	<u>5/12/14</u>	<u>10:47</u>	<u>10:49</u>	<u>22</u>		<u>1867a</u>	<u>26</u>	<u>1</u>		
4										
5										
6										
7										
8										
9										
10										

5. SAMPLED BY (Please Print): Jeddy M. Kadegis
LOGGED BY (signature): [Signature] 5/13/14 0800
REVIEWED BY (signature): _____
 Relinquished By / Company Name: [Signature] 5/13/14
 Date: 5/13/14 Received By / Company Name: [Signature] 5/13/14
 Date: 5/13/14 Time: 09:55
 Date: 5/13/14 Time: 09:55
 Date: 5/13/14 Time: 09:55
 Date: 5/13/14 Time: 09:55

6. PROJECT INFORMATION
 Standard CLP-like
 DOD TO-15
 Other
 EDDS- Type: _____
 ALS Field Services: Pickup Labor
 Other: _____
 State Samples Collected In: NY NJ PA NC other

ALS-Middletown

TO-15 Sample Receipt Checklist

Client ID: EARTHRES GROUP
Horizon WO#: 2006574
Sample Delivery Group ID:
Log In By/Date: S. MILLER 0800
(signature)
Number of Shipping containers received:

Project Name/#: AMWS/111062.001
Date/Time received: 5/13/2013
Received By: RYAN
Project Manager Review (date) 5/16/14
(signature)
Courier:

Circle the response below as appropriate.

- 1. Did kit(s) come with a shipping slip (airbill, etc.)? YES NO NA
If YES, enter airbill numbers:

Shipping Container Information:

- 2. Were shipping containers received without signs of tampering? YES NO NA
Comments
3. Were custody seals present and intact? YES NO NA
4. Were custody seals numbers present? YES NO NA
List Custody Seal Numbers:

Sample Condition:

- 5. Were sample containers received intact without signs of tampering? YES NO NA
Comments

Chain of Custody:

- 6. Did COC arrive with the samples? YES NO NA
7. Do sample ID/Sample Description(s) match samples submitted? YES NO NA
8. Is date and time of collection listed on the COC for all samples? YES NO NA
9. Is identification of sampler on COC? YES NO NA
10. Are requested test method(s) on COC? YES NO NA
11. Are necessary signatures on COC? YES NO NA
12. Was Internal COC initiated? (should always be YES) YES NO NA

Sample Integrity Usability:

- 13. Do sample containers match the COC? YES NO NA
14. Were sample canisters received within 15 days of shipment to client? YES NO NA

Anomalies or Non-Conformances:

May 19, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 2005217
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, May 6, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vicki A. Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Mrs. Vicki A. Forney
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2005217 AMW

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2005217001	MW-1	Water	5/5/2014 08:43	5/6/2014 22:15	Collected by Client
2005217002	MW-2	Water	5/5/2014 11:35	5/6/2014 22:15	Collected by Client

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

 Lab ID: **2005217001**
 Sample ID: **MW-1**

 Date Collected: 5/5/2014 08:43 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Bromoform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
cis-1,2-Dichloroethene	2.8		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

Lab ID: 2005217001

Date Collected: 5/5/2014 08:43 Matrix: Water

Sample ID: MW-1

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Trichloroethene	1.2		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.2		%	62 - 133	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Dibromofluoromethane (S)	85.4		%	78 - 116	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B	5/7/14 JPA	5/7/14 18:13	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Acetophenone	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Atrazine	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Benzaldehyde	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Biphenyl	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Caprolactam	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

Lab ID: **2005217001**
Sample ID: **MW-1**

Date Collected: 5/5/2014 08:43 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Carbazole	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
4-Chloroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Chrysene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
3,3-Dichlorobenzidine	ND		ug/L	15.0	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2,4-Dinitrophenol	ND		ug/L	15.0	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Fluorene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Isophorone	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

 Lab ID: **2005217001**
 Sample ID: **MW-1**

 Date Collected: 5/5/2014 08:43 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Pentachlorophenol	ND		ug/L	15.0	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Phenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	107		%	40 - 125	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2-Fluorobiphenyl (S)	77.8		%	50 - 110	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
2-Fluorophenol (S)	53.9		%	20 - 75	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Nitrobenzene-d5 (S)	78.4		%	40 - 110	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Phenol-d5 (S)	35.7		%	13 - 49	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
Terphenyl-d14 (S)	87.6		%	50 - 122	SW846 8270D	5/12/14 CAC	5/13/14 01:01	GEC	C
PCBs									
Total Polychlorinated Biphenyl	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1016	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1221	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1232	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1242	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1248	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1254	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1260	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1262	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Aroclor-1268	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	77.8		%	30 - 150	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E
Tetrachloro-m-xylene (S)	61.6		%	36 - 112	SW846 8082A	5/9/14 LEH	5/13/14 01:58	EGO	E

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

Lab ID: **2005217001**
Sample ID: **MW-1**

Date Collected: 5/5/2014 08:43 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	5/9/14 SRT	5/12/14 19:35	SRT	G
Barium, Dissolved	0.036		mg/L	0.010	SW846 6010C	5/9/14 SRT	5/12/14 19:35	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	5/9/14 SRT	5/12/14 19:35	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	5/9/14 SRT	5/12/14 19:35	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	5/9/14 SRT	5/12/14 19:35	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	5/19/14 MNP	5/19/14 13:24	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	5/9/14 SRT	5/12/14 19:35	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	5/9/14 SRT	5/12/14 19:35	SRT	G



Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

 Lab ID: **2005217002**
 Sample ID: **MW-2**

 Date Collected: 5/5/2014 11:35 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Bromoform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

Lab ID: **2005217002**
Sample ID: **MW-2**

Date Collected: 5/5/2014 11:35 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	93.2		%	62 - 133	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
4-Bromofluorobenzene (S)	108		%	79 - 114	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Dibromofluoromethane (S)	83.7		%	78 - 116	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B	5/7/14 JPA	5/7/14 18:35	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Acetophenone	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Atrazine	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Benzaldehyde	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Biphenyl	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
4-Bromophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Butylbenzylphthalate	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Caprolactam	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

 Lab ID: **2005217002**
 Sample ID: **MW-2**

 Date Collected: 5/5/2014 11:35 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Carbazole	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
4-Chloro-3-methylphenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
4-Chloroaniline	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
bis(2-Chloroethyl)ether	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
bis(2-Chloroisopropyl)ether	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2-Chloronaphthalene	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2-Chlorophenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
4-Chlorophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Chrysene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
mp-Cresol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
o-Cresol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Di-n-Butylphthalate	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Di-n-Octylphthalate	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Dibenzofuran	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
3,3-Dichlorobenzidine	ND		ug/L	15.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2,4-Dichlorophenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Diethylphthalate	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2,4-Dimethylphenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Dimethylphthalate	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2,4-Dinitrophenol	ND		ug/L	15.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2,4-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2,6-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Fluorene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Hexachlorobenzene	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Hexachlorobutadiene	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Hexachlorocyclopentadiene	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Hexachloroethane	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Isophorone	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2-Nitroaniline	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
3-Nitroaniline	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

 Lab ID: **2005217002**
 Sample ID: **MW-2**

 Date Collected: 5/5/2014 11:35 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Nitrobenzene	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2-Nitrophenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
4-Nitrophenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
N-Nitrosodiphenylamine	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Pentachlorophenol	ND		ug/L	15.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Phenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.9	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2,4,5-Trichlorophenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2,4,6-Trichlorophenol	ND		ug/L	7.7	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	79		%	40 - 125	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2-Fluorobiphenyl (S)	56.8		%	50 - 110	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
2-Fluorophenol (S)	38		%	20 - 75	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Nitrobenzene-d5 (S)	55.8		%	40 - 110	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Phenol-d5 (S)	25.4		%	13 - 49	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
Terphenyl-d14 (S)	83.7		%	50 - 122	SW846 8270D	5/12/14 CAC	5/13/14 03:05	GEC	C
PCBs									
Total Polychlorinated Biphenyl	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1016	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1221	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1232	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1242	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1248	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1254	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1260	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1262	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Aroclor-1268	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	80.3		%	30 - 150	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E
Tetrachloro-m-xylene (S)	72.4		%	36 - 112	SW846 8082A	5/9/14 LEH	5/13/14 02:16	EGO	E

METALS

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ANALYTICAL RESULTS

Workorder: 2005217 AMW

Lab ID: **2005217002**
Sample ID: **MW-2**

Date Collected: 5/5/2014 11:35 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	5/9/14 SRT	5/12/14 19:39	SRT	G
Barium, Dissolved	0.11		mg/L	0.010	SW846 6010C	5/9/14 SRT	5/12/14 19:39	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	5/9/14 SRT	5/12/14 19:39	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	5/9/14 SRT	5/12/14 19:39	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	5/9/14 SRT	5/12/14 19:39	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	5/19/14 MNP	5/19/14 13:25	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	5/9/14 SRT	5/12/14 19:39	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	5/9/14 SRT	5/12/14 19:39	SRT	G



Mrs. Vicki A. Forney
Project Coordinator

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PARAMETER QUALIFIERS

#	Lab ID	Sample ID	Analytical Method	Analyte
1	2005217001	MW-1	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 78.5 and the control limits were 79 to 126.				
1	2005217002	MW-2	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 78.5 and the control limits were 79 to 126.				

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Environmental
 ALS
 34 Dogwood Lane
 Middletown, PA 17057
 P. 717-944-5541
 F. 717-944-1430

**CHAIN OF CUSTODY/
 REQUEST FOR ANALYSIS**
 ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT
 SAMPLER (S) SUBJECTS ON THE ANALYSIS

Page of
 Courier:
 Tracking #:



Co. Name: EarthRes
 Contact (Report to): Scott Campbell
 Address: PO Box 468
Pipersville, PA 18947
 Phone: (215) 766-1211
 PO#:
 Project Name#: AMW
 ALS Quote #:
 TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Email? Y N
 Fax? Y N
 Email: scampbell@earthres.com

Container Type	AG	AG	CG	PL
Container Size	1L	1L	40-1	250-1
Preservative	-	-	HCl	HMB3

ANALYSES/METHOD REQUESTED

PCB	BNA	VOCs	Dissolved Metals
-----	-----	------	------------------

Sample ID	Date	Time	Company Name	Received By	Date	Time	Matrix	G or C	Military Time	COC Comments	Enter Number of Containers Per Analysis	
											1	2
1	5/15/14	1700	EarthRes	Ryan Cornellan	5/16/14	1325	GW	6	2	2	1	
2	5/15/14	1700	EarthRes	Ryan Cornellan	5/16/14	1325	GW	6	2	2	1	
3												
4												
5												
6												
7												
8												

Project Comments: AM 5/17/14 1814 683

SAMPLED BY (Please Print): Ryan Cornellan

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Ryan Cornellan / EarthRes	5/15/14	1700	D. Tabor	5/16/14	1325
D. Tabor	5/16/14	1325	Hoff	5/16/14	1325
Hoff	5/16/14	1325	gof	5/16/14	1325

Standard CLP-like NJ-Reduced NJ-Full Other

State Samples Collected by? MD NJ NY PA

ALS FIELD SERVICES: Pickup Labor Composite Sampling Rental Equipment Other

Receipt Information (Completed by Sample Provider)
 Received by:
 Cooler Temp: C
 Therm. ID: TH-2
 No. of Coolers: 1
 Notes:

Correct containers?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Correct sample volume?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	(if present) Seals intact?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Custody seals Present?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Received on ice?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Correct preservation?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	COC labels complete/accurate?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Container in good condition?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Headspace/Voliles?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Circle appropriate Y or N.					

COPIES: WHITE - ORIGINAL CANARY - CUSTOMER COPY
 * Go/Grab; G-Composite
 **Matrix: AL=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Soil; SG=Soil; WP=Wipe; WW=Wastewater
 ***Container Type: AG=Amber Glass; CG=Clear Glass; PL=Plastic; Container Size: 250ml, 500ml, 1L, Box, etc. Preservative: HCl, HNO3, NaOH, etc.



May 19, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 2005218
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, May 6, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vicki A. Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.


Mrs. Vicki A. Forney
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2005218 AMW

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2005218001	MW-3	Water	5/5/2014 12:00	5/6/2014 22:15	Collected by Client
2005218002	MW-4	Water	5/5/2014 12:15	5/6/2014 22:15	Collected by Client
2005218003	MW-5	Water	5/5/2014 12:30	5/6/2014 22:15	Collected by Client

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218001**

Date Collected: 5/5/2014 12:00 Matrix: Water

 Sample ID: **MW-3**

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Bromoform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Carbon Disulfide	17.5		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218001**
 Sample ID: **MW-3**

 Date Collected: 5/5/2014 12:00 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
4-Methyl-2-Pentanone(MIBK)	7.0		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	93.8		%	62 - 133	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Dibromofluoromethane (S)	86.9		%	78 - 116	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B	5/7/14 JPA	5/7/14 18:57	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Acetophenone	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Atrazine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Benzaldehyde	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Biphenyl	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Caprolactam	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218001**

Date Collected: 5/5/2014 12:00 Matrix: Water

 Sample ID: **MW-3**

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Carbazole	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
4-Chloroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
3,3-Dichlorobenzidine	ND		ug/L	15.0	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2,4-Dinitrophenol	ND		ug/L	15.0	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Isophorone	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

Lab ID: **2005218001**
Sample ID: **MW-3**

Date Collected: 5/5/2014 12:00 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Pentachlorophenol	ND		ug/L	15.0	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Phenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	82.5		%	40 - 125	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2-Fluorobiphenyl (S)	78.4		%	50 - 110	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
2-Fluorophenol (S)	53.2		%	20 - 75	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Nitrobenzene-d5 (S)	84.5		%	40 - 110	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Phenol-d5 (S)	37.3		%	13 - 49	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
Terphenyl-d14 (S)	93.8		%	50 - 122	SW846 8270D	5/12/14 EAG	5/13/14 09:22	CGS	C
PCBs									
Total Polychlorinated Biphenyl	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1016	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	66.4		%	30 - 150	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E
Tetrachloro-m-xylene (S)	59.9		%	36 - 112	SW846 8082A	5/9/14 LEH	5/13/14 02:51	EGO	E

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

Lab ID: **2005218001**
Sample ID: **MW-3**

Date Collected: 5/5/2014 12:00 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	5/9/14 SRT	5/16/14 15:02	SRT	G
Barium, Dissolved	0.062		mg/L	0.010	SW846 6010C	5/9/14 SRT	5/16/14 15:02	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	5/9/14 SRT	5/16/14 15:02	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	5/9/14 SRT	5/16/14 15:02	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	5/9/14 SRT	5/16/14 15:02	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	5/19/14 MNP	5/19/14 13:26	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	5/9/14 SRT	5/16/14 15:02	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	5/9/14 SRT	5/16/14 15:02	SRT	G



Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218002**
 Sample ID: **MW-4**

 Date Collected: 5/5/2014 12:15 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Bromoform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Methyl cyclohexane	3.5		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218002**
 Sample ID: **MW-4**

 Date Collected: 5/5/2014 12:15 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.4		%	62 - 133	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Dibromofluoromethane (S)	84.6		%	78 - 116	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B	5/7/14 JPA	5/7/14 19:19	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Acetophenone	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Atrazine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Benzaldehyde	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Biphenyl	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Caprolactam	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

Lab ID: 2005218002
Sample ID: MW-4

Date Collected: 5/5/2014 12:15 Matrix: Water
Date Received: 5/6/2014 22:15

Table with 10 columns: Parameters, Results, Flag, Units, RDL, Method, Prepared By, Analyzed, By, Cntr. Lists various chemical compounds and their detection results.

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218002**
 Sample ID: **MW-4**

 Date Collected: 5/5/2014 12:15 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
2-Nitrophenol	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
4-Nitrophenol	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Pentachlorophenol	ND		ug/L	14.7	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Phenol	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
2,4,5-Trichlorophenol	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
2,4,6-Trichlorophenol	ND		ug/L	7.4	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	88.3		%	40 - 125	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
2-Fluorobiphenyl (S)	75.2		%	50 - 110	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
2-Fluorophenol (S)	52		%	20 - 75	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Nitrobenzene-d5 (S)	77.6		%	40 - 110	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Phenol-d5 (S)	34.2		%	13 - 49	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
Terphenyl-d14 (S)	94.5		%	50 - 122	SW846 8270D	5/12/14 EAG	5/13/14 09:47	CGS	C
PCBs									
Total Polychlorinated Biphenyl	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1016	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	106		%	30 - 150	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E
Tetrachloro-m-xylene (S)	61.5		%	36 - 112	SW846 8082A	5/9/14 LEH	5/13/14 03:09	EGO	E

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

Lab ID: **2005218002**
Sample ID: **MW-4**

Date Collected: 5/5/2014 12:15 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	5/9/14 SRT	5/16/14 15:07	SRT	G
Barium, Dissolved	0.061		mg/L	0.010	SW846 6010C	5/9/14 SRT	5/16/14 15:07	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	5/9/14 SRT	5/16/14 15:07	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	5/9/14 SRT	5/16/14 15:07	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	5/9/14 SRT	5/16/14 15:07	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	5/19/14 MNP	5/19/14 13:30	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	5/9/14 SRT	5/16/14 15:07	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	5/9/14 SRT	5/16/14 15:07	SRT	G



Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218003**
 Sample ID: **MW-5**

 Date Collected: 5/5/2014 12:30 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Bromoform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Methyl cyclohexane	1.5		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218003**
 Sample ID: **MW-5**

 Date Collected: 5/5/2014 12:30 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	90.9		%	62 - 133	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
4-Bromofluorobenzene (S)	106		%	79 - 114	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Dibromofluoromethane (S)	83.6		%	78 - 116	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
Toluene-d8 (S)	100		%	76 - 127	SW846 8260B	5/7/14 JPA	5/7/14 19:41	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Acetophenone	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Atrazine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Benzaldehyde	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Biphenyl	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Caprolactam	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

Lab ID: **2005218003**

Date Collected: 5/5/2014 12:30 Matrix: Water

Sample ID: **MW-5**

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Carbazole	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
4-Chloroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
3,3-Dichlorobenzidine	ND		ug/L	15.0	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2,4-Dinitrophenol	ND		ug/L	15.0	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Isophorone	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005218 AMW

 Lab ID: **2005218003**

Date Collected: 5/5/2014 12:30 Matrix: Water

 Sample ID: **MW-5**

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Pentachlorophenol	ND		ug/L	15.0	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Phenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.8	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	88.7		%	40 - 125	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2-Fluorobiphenyl (S)	77.2		%	50 - 110	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
2-Fluorophenol (S)	52.4		%	20 - 75	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Nitrobenzene-d5 (S)	76.3		%	40 - 110	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Phenol-d5 (S)	34.9		%	13 - 49	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
Terphenyl-d14 (S)	86.3		%	50 - 122	SW846 8270D	5/12/14 EAG	5/13/14 10:12	CGS	C
PCBs									
Total Polychlorinated Biphenyl	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1016	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1221	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1232	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1242	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1248	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1254	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1260	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1262	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Aroclor-1268	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	55.3		%	30 - 150	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E
Tetrachloro-m-xylene (S)	70.7		%	36 - 112	SW846 8082A	5/9/14 LEH	5/13/14 03:44	EGO	E

METALS
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ANALYTICAL RESULTS

Workorder: 2005218 AMW

Lab ID: **2005218003**
Sample ID: **MW-5**

Date Collected: 5/5/2014 12:30 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	5/9/14 SRT	5/16/14 15:11	SRT	G
Barium, Dissolved	0.15		mg/L	0.010	SW846 6010C	5/9/14 SRT	5/16/14 15:11	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	5/9/14 SRT	5/16/14 15:11	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	5/9/14 SRT	5/16/14 15:11	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	5/9/14 SRT	5/16/14 15:11	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	5/19/14 MNP	5/19/14 13:31	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	5/9/14 SRT	5/16/14 15:11	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	5/9/14 SRT	5/16/14 15:11	SRT	G



Mrs. Vicki A. Forney
Project Coordinator

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PARAMETER QUALIFIERS

#	Lab ID	Sample ID	Analytical Method	Analyte
1	2005218001	MW-3	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 78.5 and the control limits were 79 to 126.				
1	2005218002	MW-4	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 78.5 and the control limits were 79 to 126.				
1	2005218003	MW-5	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 78.5 and the control limits were 79 to 126.				

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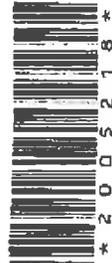
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34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

Page 1 of 1
Courier: _____
Tracking #: _____



ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT
SAMPLER. INSTRUCTIONS ON THE BACK.

Environmetal
Co. Name: Earthies
Contact (Report to): Scott Campbell
Address: PO Box 468
Pipersville, PA 18947
Phone: 621-276-124
ALS Quote #: _____
Date Required: _____
Approved By: _____

Bill to (if different than Report to): _____
PO#: _____
Project Name#: AMW
TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.

Email? Yes No
Fax? Yes No
Sample Description/Location (as it will appear on the lab report)
COC Comments

Sample No.	Sample Date	Military Time	Received By / Company Name	Date	Time
1	5/14/14	12:00	D. Conner	5/16/14	17:00
2	5/14/14	12:15	D. Conner	5/16/14	17:00
3	5/14/14	12:30	D. Conner	5/16/14	17:00
4					
5					
6					
7					
8					

Reinquisitioned By / Company Name	Date	Time	Received By / Company Name	Date	Time
Ryan Conner	5/14/14	17:00	D. Conner	5/16/14	17:00
Scott Campbell	5/14/14	17:00	D. Conner	5/16/14	17:00
D. Conner	5/14/14	17:00	D. Conner	5/16/14	17:00

Project Comments: _____
SAMPLED BY (Please Print): Ryan Conner
Reinquisitioned By / Company Name: _____
Date: _____ Time: _____
Received By / Company Name: _____ Date: _____ Time: _____

Container Type	Container Size	Preservative	ANALYSES/METHOD REQUESTED	Enter Number of Containers Per Analysis
AG	12	None	PCB	2
AG	12	None	BNA	2
AG	12	None	Dissolved Metals	2
AG	12	None	VOCs	2
AG	12	None		2
AG	12	None		2
AG	12	None		2
AG	12	None		2
AG	12	None		2

Container in good condition? Yes No
COC Labels complete/accurate? Yes No
Received on leaf? Yes No
(If present) Seals intact? Yes No
Custody seals Present? Yes No
Correct sample volume? Yes No
Correct preservation? Yes No
Headspace/Volatiles? Yes No
Circle appropriate Y or N.

ALS FIELD SERVICES
Pickup Labor Composite Sampling Rental Equipment Other: _____
Format: Standard CLP-like NI-Reduced NI-Full
Collected in? MD NJ NY PA
If yes, format type: Other: _____
DOD Criteria Required? Yes No

May 19, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 2005219
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, May 6, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vicki A. Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.


Mrs. Vicki A. Forney
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2005219 AMW

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2005219001	MW-6	Water	5/5/2014 12:40	5/6/2014 22:15	Collected by Client
2005219002	F-Dup	Water	5/5/2014 11:45	5/6/2014 22:15	Collected by Client
2005219003	Rinse Blank	Water	5/5/2014 12:55	5/6/2014 22:15	Collected by Client
2005219004	Trip Blank	Water	5/5/2014 13:00	5/6/2014 22:15	Collected by Client

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219001**
 Sample ID: **MW-6**

 Date Collected: 5/5/2014 12:40 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Benzene	5.1		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Bromoform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Cyclohexane	6.6		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Methyl cyclohexane	2.0		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219001**
 Sample ID: **MW-6**

 Date Collected: 5/5/2014 12:40 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Vinyl Chloride	2.3		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	92.4		%	62 - 133	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
4-Bromofluorobenzene (S)	109		%	79 - 114	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Dibromofluoromethane (S)	84.5		%	78 - 116	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
Toluene-d8 (S)	102		%	76 - 127	SW846 8260B	5/7/14 JPA	5/7/14 20:02	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Acenaphthylene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Acetophenone	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Anthracene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Atrazine	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Benzaldehyde	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Benzo(a)anthracene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Benzo(a)pyrene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Benzo(b)fluoranthene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Benzo(g,h,i)perylene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Benzo(k)fluoranthene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Biphenyl	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
4-Bromophenyl-phenylether	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Butylbenzylphthalate	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Caprolactam	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

Lab ID: **2005219001**

Date Collected: 5/5/2014 12:40 Matrix: Water

Sample ID: **MW-6**

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Carbazole	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
4-Chloro-3-methylphenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
4-Chloroaniline	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
bis(2-Chloroethoxy)methane	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
bis(2-Chloroethyl)ether	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
bis(2-Chloroisopropyl)ether	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2-Chloronaphthalene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2-Chlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
4-Chlorophenyl-phenylether	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Chrysene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
mp-Cresol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
o-Cresol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Di-n-Butylphthalate	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Di-n-Octylphthalate	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Dibenzofuran	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
3,3-Dichlorobenzidine	ND		ug/L	17.0	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2,4-Dichlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Diethylphthalate	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2,4-Dimethylphenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Dimethylphthalate	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2,4-Dinitrophenol	ND		ug/L	17.0	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2,4-Dinitrotoluene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2,6-Dinitrotoluene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Fluoranthene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Fluorene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Hexachlorobenzene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Hexachlorobutadiene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Hexachlorocyclopentadiene	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Hexachloroethane	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Isophorone	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2-Methylnaphthalene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Naphthalene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2-Nitroaniline	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
3-Nitroaniline	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219001**

Date Collected: 5/5/2014 12:40 Matrix: Water

 Sample ID: **MW-6**

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Nitrobenzene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2-Nitrophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
4-Nitrophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
N-Nitrosodiphenylamine	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Pentachlorophenol	ND		ug/L	17.0	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Phenanthrene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Phenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Pyrene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2,4,5-Trichlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2,4,6-Trichlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	81.9		%	40 - 125	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2-Fluorobiphenyl (S)	75.5		%	50 - 110	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
2-Fluorophenol (S)	49.4		%	20 - 75	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Nitrobenzene-d5 (S)	71.3		%	40 - 110	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Phenol-d5 (S)	33.6		%	13 - 49	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
Terphenyl-d14 (S)	80.6		%	50 - 122	SW846 8270D	5/12/14 EAG	5/13/14 10:37	CGS	C
PCBs									
Total Polychlorinated Biphenyl	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1016	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1221	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1232	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1242	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1248	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1254	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1260	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1262	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Aroclor-1268	ND		ug/L	0.49	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	52.7		%	30 - 150	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E
Tetrachloro-m-xylene (S)	57.6		%	36 - 112	SW846 8082A	5/9/14 LEH	5/13/14 04:20	EGO	E

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

Lab ID: **2005219001**
Sample ID: **MW-6**

Date Collected: 5/5/2014 12:40 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	5/9/14 SRT	5/16/14 15:15	SRT	G
Barium, Dissolved	0.033		mg/L	0.010	SW846 6010C	5/9/14 SRT	5/16/14 15:15	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	5/9/14 SRT	5/16/14 15:15	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	5/9/14 SRT	5/16/14 15:15	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	5/9/14 SRT	5/16/14 15:15	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	5/19/14 MNP	5/19/14 13:32	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	5/9/14 SRT	5/16/14 15:15	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	5/9/14 SRT	5/16/14 15:15	SRT	G



Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219002**

Date Collected: 5/5/2014 11:45 Matrix: Water

 Sample ID: **F-Dup**

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Bromoform	ND	2	ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219002**
 Sample ID: **F-Dup**

 Date Collected: 5/5/2014 11:45 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	91.8		%	62 - 133	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
4-Bromofluorobenzene (S)	108		%	79 - 114	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Dibromofluoromethane (S)	83.4		%	78 - 116	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
Toluene-d8 (S)	100		%	76 - 127	SW846 8260B	5/8/14 JPA	5/8/14 16:43	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Acetophenone	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Atrazine	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Benzaldehyde	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Biphenyl	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
4-Bromophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Butylbenzylphthalate	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Caprolactam	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219002**
 Sample ID: **F-Dup**

 Date Collected: 5/5/2014 11:45 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Carbazole	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
4-Chloro-3-methylphenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
4-Chloroaniline	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
bis(2-Chloroisopropyl)ether	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2-Chloronaphthalene	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2-Chlorophenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
mp-Cresol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
o-Cresol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Di-n-Butylphthalate	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Di-n-Octylphthalate	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Dibenzofuran	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
3,3-Dichlorobenzidine	ND		ug/L	15.2	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2,4-Dichlorophenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Diethylphthalate	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2,4-Dimethylphenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Dimethylphthalate	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2,4-Dinitrophenol	ND		ug/L	15.2	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2,4-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2,6-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Hexachlorobenzene	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Hexachlorobutadiene	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Hexachlorocyclopentadiene	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Hexachloroethane	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Isophorone	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2-Methylnaphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2-Nitroaniline	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
3-Nitroaniline	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219002**
 Sample ID: **F-Dup**

 Date Collected: 5/5/2014 11:45 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Nitrobenzene	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2-Nitrophenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
4-Nitrophenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
N-Nitrosodiphenylamine	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Pentachlorophenol	ND		ug/L	15.2	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Phenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.9	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2,4,5-Trichlorophenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2,4,6-Trichlorophenol	ND		ug/L	7.6	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	74.7		%	40 - 125	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2-Fluorobiphenyl (S)	78.1		%	50 - 110	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
2-Fluorophenol (S)	45.8		%	20 - 75	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Nitrobenzene-d5 (S)	79.1		%	40 - 110	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Phenol-d5 (S)	31.6		%	13 - 49	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
Terphenyl-d14 (S)	94.5		%	50 - 122	SW846 8270D	5/12/14 EAG	5/13/14 08:08	CGS	C
PCBs									
Total Polychlorinated Biphenyl	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1016	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	80.9		%	30 - 150	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E
Tetrachloro-m-xylene (S)	70.5		%	36 - 112	SW846 8082A	5/9/14 LEH	5/13/14 02:34	EGO	E

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

Lab ID: **2005219002**

Date Collected: 5/5/2014 11:45 Matrix: Water

Sample ID: **F-Dup**

Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	5/9/14 SRT	5/16/14 15:20	SRT	G
Barium, Dissolved	0.11		mg/L	0.010	SW846 6010C	5/9/14 SRT	5/16/14 15:20	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	5/9/14 SRT	5/16/14 15:20	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	5/9/14 SRT	5/16/14 15:20	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	5/9/14 SRT	5/16/14 15:20	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	5/19/14 MNP	5/19/14 13:35	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	5/9/14 SRT	5/16/14 15:20	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	5/9/14 SRT	5/16/14 15:20	SRT	G



Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219003**
 Sample ID: **Rinse Blank**

 Date Collected: 5/5/2014 12:55 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Bromoform	ND	2	ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219003**
 Sample ID: **Rinse Blank**

 Date Collected: 5/5/2014 12:55 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	91.2		%	62 - 133	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
4-Bromofluorobenzene (S)	108		%	79 - 114	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Dibromofluoromethane (S)	83.3		%	78 - 116	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
Toluene-d8 (S)	99.9		%	76 - 127	SW846 8260B	5/8/14 JPA	5/8/14 12:41	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Acenaphthylene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Acetophenone	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Anthracene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Atrazine	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Benzaldehyde	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Benzo(a)anthracene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Benzo(a)pyrene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Benzo(b)fluoranthene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Benzo(g,h,i)perylene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Benzo(k)fluoranthene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Biphenyl	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
4-Bromophenyl-phenylether	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Butylbenzylphthalate	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Caprolactam	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

Lab ID: **2005219003**
Sample ID: **Rinse Blank**

Date Collected: 5/5/2014 12:55 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Carbazole	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
4-Chloro-3-methylphenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
4-Chloroaniline	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
bis(2-Chloroethoxy)methane	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
bis(2-Chloroethyl)ether	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
bis(2-Chloroisopropyl)ether	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2-Chloronaphthalene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2-Chlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
4-Chlorophenyl-phenylether	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Chrysene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
mp-Cresol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
o-Cresol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Di-n-Butylphthalate	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Di-n-Octylphthalate	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Dibenzofuran	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
3,3-Dichlorobenzidine	ND		ug/L	17.0	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2,4-Dichlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Diethylphthalate	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2,4-Dimethylphenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Dimethylphthalate	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2,4-Dinitrophenol	ND		ug/L	17.0	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2,4-Dinitrotoluene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2,6-Dinitrotoluene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Fluoranthene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Fluorene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Hexachlorobenzene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Hexachlorobutadiene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Hexachlorocyclopentadiene	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Hexachloroethane	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Isophorone	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2-Methylnaphthalene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Naphthalene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2-Nitroaniline	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
3-Nitroaniline	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219003**
 Sample ID: **Rinse Blank**

 Date Collected: 5/5/2014 12:55 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Nitrobenzene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2-Nitrophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
4-Nitrophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
N-Nitrosodiphenylamine	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Pentachlorophenol	ND		ug/L	17.0	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Phenanthrene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Phenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Pyrene	ND		ug/L	1.6	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.2	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2,4,5-Trichlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2,4,6-Trichlorophenol	ND		ug/L	8.5	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	54.3		%	40 - 125	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2-Fluorobiphenyl (S)	75.8		%	50 - 110	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
2-Fluorophenol (S)	33		%	20 - 75	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Nitrobenzene-d5 (S)	73.3		%	40 - 110	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Phenol-d5 (S)	30.8		%	13 - 49	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
Terphenyl-d14 (S)	87.1		%	50 - 122	SW846 8270D	5/12/14 EAG	5/13/14 11:27	CGS	C
PCBs									
Total Polychlorinated Biphenyl	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1016	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1221	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1232	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1242	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1248	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1254	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1260	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1262	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Aroclor-1268	ND		ug/L	0.55	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	115		%	30 - 150	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E
Tetrachloro-m-xylene (S)	62.1		%	36 - 112	SW846 8082A	5/9/14 LEH	5/13/14 04:37	EGO	E

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

Lab ID: **2005219003**
Sample ID: **Rinse Blank**

Date Collected: 5/5/2014 12:55 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	5/9/14 SRT	5/16/14 15:24	SRT	G
Barium, Dissolved	ND		mg/L	0.010	SW846 6010C	5/9/14 SRT	5/16/14 15:24	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	5/9/14 SRT	5/16/14 15:24	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	5/9/14 SRT	5/16/14 15:24	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	5/9/14 SRT	5/16/14 15:24	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	5/19/14 MNP	5/19/14 13:36	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	5/9/14 SRT	5/16/14 15:24	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	5/9/14 SRT	5/16/14 15:24	SRT	G


Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

Lab ID: **2005219004**
Sample ID: **Trip Blank**

Date Collected: 5/5/2014 13:00 Matrix: Water
Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Bromodichloromethane	ND	1	ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Bromoform	ND	2	ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A

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ANALYTICAL RESULTS

Workorder: 2005219 AMW

 Lab ID: **2005219004**
 Sample ID: **Trip Blank**

 Date Collected: 5/5/2014 13:00 Matrix: Water
 Date Received: 5/6/2014 22:15

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Styrene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	91.2		%	62 - 133	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
4-Bromofluorobenzene (S)	107		%	79 - 114	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Dibromofluoromethane (S)	83		%	78 - 116	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A
Toluene-d8 (S)	99.8		%	76 - 127	SW846 8260B	5/8/14 JPA	5/8/14 13:03	JPA	A

Vicki Forney
 Mrs. Vicki A. Forney
 Project Coordinator

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PARAMETER QUALIFIERS

#	Lab ID	Sample ID	Analytical Method	Analyte
1	2005219001	MW-6	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 78.5 and the control limits were 79 to 126.				
1	2005219002	F-Dup	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 74.8 and the control limits were 79 to 126.				
2	2005219002	F-Dup	SW846 8260B	Bromoform
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromoform. The % Recovery was reported as 69.2 and the control limits were 70 to 123.				
1	2005219003	Rinse Blank	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 74.8 and the control limits were 79 to 126.				
2	2005219003	Rinse Blank	SW846 8260B	Bromoform
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromoform. The % Recovery was reported as 69.2 and the control limits were 70 to 123.				
1	2005219004	Trip Blank	SW846 8260B	Bromodichloromethane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 74.8 and the control limits were 79 to 126.				
2	2005219004	Trip Blank	SW846 8260B	Bromoform
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromoform. The % Recovery was reported as 69.2 and the control limits were 70 to 123.				

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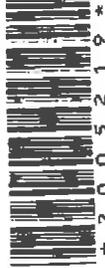


34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
SAMPLER. INSTRUCTIONS ON THE BACK.

Page _____ of _____
Counter: _____
Tracking #: _____



Co. Name: *Earth Resources*
Contact (Report to): *Scott Campbell*
Address: *PO Box 468
Pipersville PA 18947*
Phone: *610-766-1214*

Project Name#: *AMW* ALS Quote #: _____
Date Required: _____
Approved By: _____

TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.

Email? *scampbell@earthres.com*
Fax? No.

Sample Description/Location <small>(as it will appear on the lab report)</small>	COC Comments	Sample Date	Military Time	Matrix	Enter Number of Containers Per Analysis
1 <i>MW-6</i>		<i>5/5/14</i>	<i>1240</i>	<i>G</i>	<i>2 2 1</i>
2 <i>F-DUP</i>		<i>5/5/14</i>	<i>1145</i>	<i>G</i>	<i>2 2 1</i>
3 <i>Rinse Blank</i>		<i>5/5/14</i>	<i>1255</i>	<i>G</i>	<i>2 2 1</i>
4 <i>Trip Blank</i>		<i>5/5/14</i>	<i>1300</i>	<i>G</i>	<i>2</i>
5					
6					
7					
8					

Container Type: *AG* *AG* *UG* *CP*
Container Size: *1L* *1L* *4L* *20L*
Preservative: *-* *-* *HCl* *HNO3*

Container in good condition? Yes No
Labels complete/accurate? Yes No
Received on ice? Yes No
(if present) Seals intact? Yes No
Correct sample volume? Yes No
Correct containers? Yes No
Headspace/Voliles? Yes No
Circle appropriate Y or N.

Container ID: *T61221*

Notes: _____

ANALYSES/METHOD REQUESTED

PCB
BNA
VOCs
Dissolved Metals
(this field is blank)

State Samples Collected in? MD NJ NY PA

Standard CLP-like NJ-Reduced NJ-Full Other: _____

Suma Form? yes no

Data Deliverables: Standard CLP-like NJ-Reduced NJ-Full Other: _____

Received By / Company Name: *Ryan Concllin*
Date: *5/5/14* Time: *1700*
Date: *5/6/14* Time: *1325*
Date: *5/6/14* Time: *1200*
Date: *5/6/14* Time: *1225*

Project Comments: _____

SAMPLED BY (Please Print): *Ryan Concllin*

Reinquished By / Company Name: *Ryan Concllin*
Date: *5/5/14* Time: *1700*
Date: *5/6/14* Time: *1325*
Date: *5/6/14* Time: *1200*
Date: *5/6/14* Time: *1225*

ALS FIELD SERVICES: Pickup Labor Composite Sampling Rental Equipment Other: _____

DOD Criteria Required? Yes No

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY

* G=Grab; C=Composite
**Matrix: AL=Air; DW=Drinking Water; GW=Groundwater; Ch=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=W/Bo; WW=Wastewater
***Container Type: AG=Amber Glass; CG=Clear Glass; PL=Plastic. Container Size: 250ml, 500ml, 1L, 9oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Rev 01-2013

SAMPLE SUMMARY

Workorder: 1074508 AMW

Discard Date: 04/01/2014

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1074508001	MW-4	Water	2/28/14 16:10	3/5/14 20:45	Customer
1074508002	F-DUP	Water	2/28/14 00:00	3/5/14 20:45	Customer
1074508003	MW-2	Water	2/28/14 14:15	3/5/14 20:45	Customer

Workorder Comments:

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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SAMPLE SUMMARY

Workorder: 1074510 AMW

Discard Date: 04/01/2014

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1074510001	MW-5	Water	2/28/14 15:50	3/5/14 20:45	Customer
1074510002	MW-6	Water	2/28/14 15:40	3/5/14 20:45	Customer
1074510003	MW-3	Water	2/28/14 14:30	3/5/14 20:45	Customer

Workorder Comments:

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
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N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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SAMPLE SUMMARY

Workorder: 1074509 AMW

Discard Date: 04/01/2014

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1074509001	Rinse Blank	Water	2/28/14 16:30	3/5/14 20:45	Customer
1074509002	MW-1	Water	2/28/14 14:00	3/5/14 20:45	Customer
1074509003	Trip Blank	Water	3/5/14 20:45	3/5/14 20:45	Customer

Workorder Comments:

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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March 18, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 1074509
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell,

Enclosed are the analytical results for samples received by the laboratory on Wednesday, March 05, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Vicki Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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Vicki Forney
Project Coordinator

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March 18, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 1074510
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell,

Enclosed are the analytical results for samples received by the laboratory on Wednesday, March 05, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Vicki Forney (Project Coordinator) at (717) 944-5541.

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March 18, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 1074508
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell,

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Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

 Lab ID: **1074509002**
 Sample ID: **MW-1**

 Date Collected: 2/28/2014 14:00
 Date Received: 3/5/2014 20:45

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/6/14 17:56	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Bromoform	ND	1	ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/6/14 17:56	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/6/14 17:56	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
cis-1,2-Dichloroethene	4.4		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/6/14 17:56	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/6/14 17:56	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/6/14 17:56	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/6/14 17:56	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 17:56	JPA	A

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

 Lab ID: **1074509002**

Date Collected: 2/28/2014 14:00

Matrix: Water

 Sample ID: **MW-1**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B			3/6/14 17:56	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B			3/6/14 17:56	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
Trichloroethene	1.5		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:56	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B			3/6/14 17:56	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	96.8		%	62-133	SW846 8260B			3/6/14 17:56	JPA	A
4-Bromofluorobenzene (S)	86.9		%	79-114	SW846 8260B			3/6/14 17:56	JPA	A
Dibromofluoromethane (S)	83.4		%	78-116	SW846 8260B			3/6/14 17:56	JPA	A
Toluene-d8 (S)	102		%	76-127	SW846 8260B			3/6/14 17:56	JPA	A

SEMIVOLATILES

Acenaphthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Acetophenone	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Atrazine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Benzaldehyde	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Biphenyl	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Caprolactam	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Carbazole	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
4-Chloroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

Lab ID: **1074509002**

Date Collected: 2/28/2014 14:00

Matrix: Water

Sample ID: **MW-1**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
3,3-Dichlorobenzidine	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2,4-Dimethylphenol	17.1		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2,4-Dinitrophenol	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
bis(2-Ethylhexyl)phthalate	3.3		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Isophorone	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2-Methylnaphthalene	ND		ug/L	1.9	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Pentachlorophenol	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

 Lab ID: **1074509002**

Date Collected: 2/28/2014 14:00

Matrix: Water

 Sample ID: **MW-1**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Pyrene	4.5		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
1,2,4,5-Tetrachlorobenzene	ND	2	ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	82.6		%	40-125	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2-Fluorobiphenyl (S)	78.9		%	50-110	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
2-Fluorophenol (S)	52.4		%	20-75	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Nitrobenzene-d5 (S)	84.7		%	40-110	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Phenol-d5 (S)	34.4		%	13-49	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
Terphenyl-d14 (S)	65.9		%	50-122	SW846 8270D	3/6/14	CAC	3/7/14 01:38	DRS	C
PCBs										
Aroclor-1016	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	32.4		%	30-150	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
Tetrachloro-m-xylene (S)	60.8		%	36-112	SW846 8082A	3/6/14	LEH	3/8/14 10:33	EGO	E
METALS										
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	3/6/14	SRT	3/17/14 20:12	SRT	G
Barium, Dissolved	0.035		mg/L	0.010	SW846 6010C	3/6/14	SRT	3/17/14 20:12	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	3/6/14	SRT	3/17/14 20:12	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	3/6/14	SRT	3/17/14 20:12	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	3/6/14	SRT	3/17/14 20:12	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	3/18/14	MNP	3/18/14 14:01	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	3/6/14	SRT	3/17/14 20:12	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	3/6/14	SRT	3/17/14 20:12	SRT	G

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 Mexico: Monterrey



ANALYTICAL RESULTS

Workorder: 1074509 AMW

Lab ID: **1074509002**

Date Collected: 2/28/2014 14:00

Matrix: Water

Sample ID: **MW-1**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:

Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

Lab ID: **1074508003**

Date Collected: 2/28/2014 14:15

Matrix: Water

Sample ID: **MW-2**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/7/14 13:42	CJG	B
Benzene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Bromoform	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Bromomethane	1.1	3	ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/7/14 13:42	CJG	B
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Chloroform	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Cyclohexane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/7/14 13:42	CJG	B
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/7/14 13:42	CJG	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Freon 113	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/7/14 13:42	CJG	B
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/7/14 13:42	CJG	B
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/7/14 13:42	CJG	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

 Lab ID: **1074508003**

Date Collected: 2/28/2014 14:15

Matrix: Water

 Sample ID: **MW-2**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Toluene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/7/14 13:42	CJG	B
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/7/14 13:42	CJG	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Trichloroethene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
o-Xylene	ND		ug/L	1.0	SW846 8260B		3/7/14 13:42	CJG	B
mp-Xylene	ND		ug/L	2.0	SW846 8260B		3/7/14 13:42	CJG	B
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	104		%	62-133	SW846 8260B		3/7/14 13:42	CJG	B
4-Bromofluorobenzene (S)	88.1		%	79-114	SW846 8260B		3/7/14 13:42	CJG	B
Dibromofluoromethane (S)	82		%	78-116	SW846 8260B		3/7/14 13:42	CJG	B
Toluene-d8 (S)	79.1		%	76-127	SW846 8260B		3/7/14 13:42	CJG	B

SEMIVOLATILES

Acenaphthene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Acenaphthylene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Acetophenone	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Anthracene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Atrazine	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Benzaldehyde	ND		ug/L	15.6	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Benzo(a)anthracene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Benzo(a)pyrene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Benzo(b)fluoranthene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Benzo(g,h,i)perylene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Benzo(k)fluoranthene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Biphenyl	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
4-Bromophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Butylbenzylphthalate	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Caprolactam	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Carbazole	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
4-Chloro-3-methylphenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
4-Chloroaniline	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

Lab ID: **1074508003**

Date Collected: 2/28/2014 14:15

Matrix: Water

Sample ID: **MW-2**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2-Chloronaphthalene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2-Chlorophenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Chrysene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
mp-Cresol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
o-Cresol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Di-n-Butylphthalate	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Di-n-Octylphthalate	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Dibenzofuran	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
3,3-Dichlorobenzidine	ND		ug/L	15.6	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2,4-Dichlorophenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Diethylphthalate	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2,4-Dimethylphenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Dimethylphthalate	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2,4-Dinitrophenol	ND		ug/L	15.6	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2,4-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2,6-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Fluoranthene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Fluorene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Hexachlorobenzene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Hexachlorobutadiene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Hexachlorocyclopentadiene	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Hexachloroethane	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Isophorone	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2-Methylnaphthalene	ND		ug/L	2.0	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Naphthalene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2-Nitroaniline	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
3-Nitroaniline	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
4-Nitroaniline	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Nitrobenzene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2-Nitrophenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
4-Nitrophenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
N-Nitrosodiphenylamine	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Pentachlorophenol	ND		ug/L	15.6	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Phenanthrene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

 Lab ID: **1074508003**

Date Collected: 2/28/2014 14:15

Matrix: Water

 Sample ID: **MW-2**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Pyrene	ND		ug/L	1.5	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
1,2,4,5-Tetrachlorobenzene	ND	2	ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2,4,5-Trichlorophenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2,4,6-Trichlorophenol	ND		ug/L	7.8	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	91.6		%	40-125	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2-Fluorobiphenyl (S)	84.7		%	50-110	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
2-Fluorophenol (S)	59.2		%	20-75	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Nitrobenzene-d5 (S)	91.7		%	40-110	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Phenol-d5 (S)	37.4		%	13-49	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C
Terphenyl-d14 (S)	100		%	50-122	SW846 8270D	3/6/14	CAC	3/7/14 02:03	DRS	C

PCBs

Aroclor-1016	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	35		%	30-150	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E
Tetrachloro-m-xylene (S)	68.3		%	36-112	SW846 8082A	3/6/14	LEH	3/8/14 10:51	EGO	E

METALS

Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	3/6/14	SRT	3/12/14 21:00	SRT	G
Barium, Dissolved	0.12		mg/L	0.010	SW846 6010C	3/6/14	SRT	3/12/14 21:00	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	3/6/14	SRT	3/17/14 19:55	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	3/6/14	SRT	3/12/14 21:00	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	3/6/14	SRT	3/17/14 19:55	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	3/18/14	MNP	3/18/14 13:54	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	3/6/14	SRT	3/12/14 21:00	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	3/6/14	SRT	3/12/14 21:00	SRT	G

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

Lab ID: 1074508003

Date Collected: 2/28/2014 14:15

Matrix: Water

Sample ID: MW-2

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:

Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1074508 AMW

PARAMETER QUALIFIERS\FLAGS

- [1] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromoform. The % Recovery was reported as 67.7 and the control limits were 70 to 123.
- [2] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 1,2,4,5-Tetrachlorobenzene. The % Recovery was reported as 48.9 and the control limits were 50 to 102.
- [3] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromomethane. The % Recovery was reported as 179 and the control limits were 45 to 148.

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34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: A2LA 0818.01
 State Certifications: CT PH-0224, DE ID 11, GA 914, MA PA0102, MD 128, LA 04162, VA 421, WY EPA Region 8, WV 343

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADDED AREAS MUST BE COMPLETED BY THE CLIENT!
SAMPLER INSTRUCTIONS ON THE BACK.

34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Page 1 of 1
Courier: _____
Tracking #: _____

Environmental

Co. Name: Gurthares
 Contact (Report to): Scott Campbell
 Address: 6912 Old Boston Rd.
Pipersville, PA 18947
 Phone: (215)-744-1211

Bill to (if different than Report to): _____
 PO#: _____

Project Name#: AMW 6W ALS Quote #: _____
 Date Required: _____
 Approved By: _____

TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.

Email? Y N Email: scampbell@earthvision.com
 Fax? Y N

Sample No.	Sample Description/Location <small>(as it will appear on the lab report)</small>	COC Comments	Sample Date	Military Time	Received By / Company Name	Date	Time
1	MMW-4		2/20/14	1610	AK	2/20/14	1800
2	F-DUP		2/20/14	N/A	AK	2/20/14	1900
3	MMW-2		2/20/14	1415	AK	2/20/14	2045
4							
5							
6							
7							
8							

SAMPLED BY (Please Print): Ryan Connellan
 Relinquished By / Company Name: Eric G
Scott Campbell
AK
AK
AK

Project Comments: _____

ANALYSES/METHOD REQUESTED

Enter Number of Containers Per Analysis

Matrix	Standard	CLP-like	NI-Reduced	NI-F-UI	Other	SOA	State Samples Collected in?
G	<input type="checkbox"/>	Frame/Co	NO <input type="checkbox"/> NI <input type="checkbox"/> NY <input type="checkbox"/> PA <input type="checkbox"/>				
GW	<input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>					
GW	<input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>					
GW	<input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>					

Container In good condition? Y N
 COC Labels complete/accurate? Y N
 Received on ice? Y N
 (if present) Seals intact? Y N
 Correct sample volume? Y N
 Correct containers? Y N
 Headspace/Volatiles? Y N
 Circle appropriate Y or N.

ALS FIELD SERVICES
 A/Risk Labor Composite Sampling Rental Equipment Other: _____

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

 Lab ID: **1074510003**
 Sample ID: **MW-3**

 Date Collected: 2/28/2014 14:30
 Date Received: 3/5/2014 20:45

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/6/14 16:30	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Bromoform	ND	1	ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/6/14 16:30	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/6/14 16:30	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/6/14 16:30	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/6/14 16:30	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/6/14 16:30	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/6/14 16:30	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 16:30	JPA	A

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

 Lab ID: **1074510003**
 Sample ID: **MW-3**

 Date Collected: 2/28/2014 14:30
 Date Received: 3/5/2014 20:45

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B			3/6/14 16:30	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B			3/6/14 16:30	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B			3/6/14 16:30	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B			3/6/14 16:30	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	94.2		%	62-133	SW846 8260B			3/6/14 16:30	JPA	A
4-Bromofluorobenzene (S)	90.2		%	79-114	SW846 8260B			3/6/14 16:30	JPA	A
Dibromofluoromethane (S)	88.8		%	78-116	SW846 8260B			3/6/14 16:30	JPA	A
Toluene-d8 (S)	107		%	76-127	SW846 8260B			3/6/14 16:30	JPA	A

SEMIVOLATILES

Acenaphthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Acetophenone	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Atrazine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Benzaldehyde	ND		ug/L	15.0	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Biphenyl	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Caprolactam	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Carbazole	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
4-Chloroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

Lab ID: **1074510003**
Sample ID: **MW-3**

Date Collected: 2/28/2014 14:30
Date Received: 3/5/2014 20:45

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
3,3-Dichlorobenzidine	ND		ug/L	15.0	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2,4-Dinitrophenol	ND		ug/L	15.0	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Isophorone	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2-Methylnaphthalene	ND		ug/L	1.9	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Pentachlorophenol	ND		ug/L	15.0	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

 Lab ID: **1074510003**

Date Collected: 2/28/2014 14:30

Matrix: Water

 Sample ID: **MW-3**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
1,2,4,5-Tetrachlorobenzene	ND	2	ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	93.6		%	40-125	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2-Fluorobiphenyl (S)	90.8		%	50-110	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
2-Fluorophenol (S)	61		%	20-75	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Nitrobenzene-d5 (S)	96.7		%	40-110	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Phenol-d5 (S)	38		%	13-49	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
Terphenyl-d14 (S)	104		%	50-122	SW846 8270D	3/6/14	CAC	3/7/14 02:28	DRS	C
PCBs										
Aroclor-1016	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	55.3		%	30-150	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
Tetrachloro-m-xylene (S)	63.3		%	36-112	SW846 8082A	3/6/14	LEH	3/8/14 11:27	EGO	E
METALS										
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	3/6/14	SRT	3/17/14 20:25	SRT	G
Barium, Dissolved	0.085		mg/L	0.010	SW846 6010C	3/6/14	SRT	3/17/14 20:25	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	3/6/14	SRT	3/17/14 20:25	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	3/6/14	SRT	3/17/14 20:25	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	3/6/14	SRT	3/17/14 20:25	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	3/18/14	MNP	3/18/14 14:04	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	3/6/14	SRT	3/17/14 20:25	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	3/6/14	SRT	3/17/14 20:25	SRT	G

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

Lab ID: **1074510003**

Date Collected: 2/28/2014 14:30

Matrix: Water

Sample ID: **MW-3**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:

Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1074510 AMW

PARAMETER QUALIFIERS\FLAGS

- [1] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromoform. The % Recovery was reported as 67.7 and the control limits were 70 to 123.
- [2] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 1,2,4,5-Tetrachlorobenzene. The % Recovery was reported as 48.9 and the control limits were 50 to 102.
- [3] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 29.4 and the control limits were 30 to 150. This result was reported at a dilution of 1.

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

Lab ID: **1074508001**

Date Collected: 2/28/2014 16:10

Matrix: Water

Sample ID: **MW-4**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/6/14 16:47	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Bromoform	ND	1	ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/6/14 16:47	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Cyclohexane	1.4		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/6/14 16:47	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
cis-1,2-Dichloroethene	2.7		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/6/14 16:47	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/6/14 16:47	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/6/14 16:47	JPA	A
Methyl cyclohexane	9.2		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/6/14 16:47	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

 Lab ID: **1074508001**
 Sample ID: **MW-4**

 Date Collected: 2/28/2014 16:10
 Date Received: 3/5/2014 20:45

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/6/14 16:47	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/6/14 16:47	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B		3/6/14 16:47	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B		3/6/14 16:47	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	96.2		%	62-133	SW846 8260B		3/6/14 16:47	JPA	A
4-Bromofluorobenzene (S)	87.5		%	79-114	SW846 8260B		3/6/14 16:47	JPA	A
Dibromofluoromethane (S)	83.7		%	78-116	SW846 8260B		3/6/14 16:47	JPA	A
Toluene-d8 (S)	101		%	76-127	SW846 8260B		3/6/14 16:47	JPA	A

SEMIVOLATILES

Acenaphthene	ND		ug/L	1.4	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Acetophenone	ND		ug/L	7.5	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Atrazine	ND		ug/L	2.8	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Benzaldehyde	ND		ug/L	15.1	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Biphenyl	ND		ug/L	7.5	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Caprolactam	ND		ug/L	7.5	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
Carbazole	ND		ug/L	2.8	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
4-Chloroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14 CAC	3/7/14 03:41	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

Lab ID: **1074508001**

Date Collected: 2/28/2014 16:10

Matrix: Water

Sample ID: **MW-4**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
3,3-Dichlorobenzidine	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2,4-Dinitrophenol	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Isophorone	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2-Methylnaphthalene	ND		ug/L	1.9	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Pentachlorophenol	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

 Lab ID: **1074508001**

Date Collected: 2/28/2014 16:10

Matrix: Water

 Sample ID: **MW-4**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
1,2,4,5-Tetrachlorobenzene	ND	2	ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	94.2		%	40-125	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2-Fluorobiphenyl (S)	88.1		%	50-110	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
2-Fluorophenol (S)	57.8		%	20-75	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Nitrobenzene-d5 (S)	94.1		%	40-110	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Phenol-d5 (S)	35.8		%	13-49	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
Terphenyl-d14 (S)	98.7		%	50-122	SW846 8270D	3/6/14	CAC	3/7/14 03:41	DRS	C
PCBs										
Aroclor-1016	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	48.7		%	30-150	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
Tetrachloro-m-xylene (S)	68.2		%	36-112	SW846 8082A	3/6/14	LEH	3/8/14 12:21	EGO	E
METALS										
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	3/6/14	SRT	3/12/14 20:44	SRT	G
Barium, Dissolved	0.096		mg/L	0.010	SW846 6010C	3/6/14	SRT	3/12/14 20:44	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	3/6/14	SRT	3/17/14 19:39	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	3/6/14	SRT	3/12/14 20:44	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	3/6/14	SRT	3/17/14 19:39	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	3/18/14	MNP	3/18/14 13:52	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	3/6/14	SRT	3/12/14 20:44	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	3/6/14	SRT	3/12/14 20:44	SRT	G

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

Lab ID: 1074508001

Date Collected: 2/28/2014 16:10

Matrix: Water

Sample ID: MW-4

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:

Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

 Lab ID: **1074510001**

Date Collected: 2/28/2014 15:50

Matrix: Water

 Sample ID: **MW-5**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/6/14 18:48	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Bromoform	ND	1	ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/6/14 18:48	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/6/14 18:48	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/6/14 18:48	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/6/14 18:48	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/6/14 18:48	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/6/14 18:48	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 18:48	JPA	A

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

Lab ID: 1074510001
Sample ID: MW-5

Date Collected: 2/28/2014 15:50 Matrix: Water
Date Received: 3/5/2014 20:45

Table with 11 columns: Parameters, Results, Flag, Units, RDL, Method, Prepared, By, Analyzed, By, Cntr. Rows include Styrene, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Toluene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, Trichlorofluoromethane, Vinyl Chloride, o-Xylene, mp-Xylene, and Surrogate Recoveries.

SEMIVOLATILES

Table with 11 columns: Parameters, Results, Flag, Units, RDL, Method, Prepared, By, Analyzed, By, Cntr. Rows include Acenaphthene, Acenaphthylene, Acetophenone, Anthracene, Atrazine, Benzaldehyde, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Biphenyl, 4-Bromophenyl-phenylether, Butylbenzylphthalate, Caprolactam, Carbazole, 4-Chloro-3-methylphenol, 4-Chloroaniline, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether.

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

Lab ID: **1074510001**
Sample ID: **MW-5**

Date Collected: 2/28/2014 15:50
Date Received: 3/5/2014 20:45

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
3,3-Dichlorobenzidine	ND		ug/L	15.0	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2,4-Dinitrophenol	ND		ug/L	15.0	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Isophorone	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2-Methylnaphthalene	ND		ug/L	1.9	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Pentachlorophenol	ND		ug/L	15.0	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

 Lab ID: **1074510001**

Date Collected: 2/28/2014 15:50

Matrix: Water

 Sample ID: **MW-5**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
1,2,4,5-Tetrachlorobenzene	ND	2	ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	96.5		%	40-125	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2-Fluorobiphenyl (S)	88.6		%	50-110	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
2-Fluorophenol (S)	55.8		%	20-75	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Nitrobenzene-d5 (S)	91.5		%	40-110	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Phenol-d5 (S)	34.5		%	13-49	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C
Terphenyl-d14 (S)	91.6		%	50-122	SW846 8270D	3/6/14	CAC	3/7/14 03:17	DRS	C

PCBs

Aroclor-1016	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	29.4	3	%	30-150	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E
Tetrachloro-m-xylene (S)	69.5		%	36-112	SW846 8082A	3/6/14	LEH	3/8/14 12:03	EGO	E

METALS

Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	3/6/14	SRT	3/17/14 20:16	SRT	G
Barium, Dissolved	0.078		mg/L	0.010	SW846 6010C	3/6/14	SRT	3/17/14 20:16	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	3/6/14	SRT	3/17/14 20:16	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	3/6/14	SRT	3/17/14 20:16	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	3/6/14	SRT	3/17/14 20:16	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	3/18/14	MNP	3/18/14 14:02	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	3/6/14	SRT	3/17/14 20:16	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	3/6/14	SRT	3/17/14 20:16	SRT	G

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

Lab ID: 1074510001

Date Collected: 2/28/2014 15:50

Matrix: Water

Sample ID: MW-5

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:

Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

 Lab ID: **1074510002**

Date Collected: 2/28/2014 15:40

Matrix: Water

 Sample ID: **MW-6**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/6/14 19:05	JPA	A
Benzene	6.0		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Bromoform	ND	1	ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/6/14 19:05	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Cyclohexane	4.4		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/6/14 19:05	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
cis-1,2-Dichloroethene	2.6		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/6/14 19:05	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/6/14 19:05	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/6/14 19:05	JPA	A
Methyl cyclohexane	2.4		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/6/14 19:05	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

 Lab ID: **1074510002**

Date Collected: 2/28/2014 15:40

Matrix: Water

 Sample ID: **MW-6**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/6/14 19:05	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/6/14 19:05	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Trichloroethene	1.6		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
Vinyl Chloride	4.5		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B		3/6/14 19:05	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B		3/6/14 19:05	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	95.6		%	62-133	SW846 8260B		3/6/14 19:05	JPA	A
4-Bromofluorobenzene (S)	89.7		%	79-114	SW846 8260B		3/6/14 19:05	JPA	A
Dibromofluoromethane (S)	81.5		%	78-116	SW846 8260B		3/6/14 19:05	JPA	A
Toluene-d8 (S)	108		%	76-127	SW846 8260B		3/6/14 19:05	JPA	A

SEMIVOLATILES

Acenaphthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Acetophenone	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Atrazine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Benzaldehyde	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Biphenyl	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Caprolactam	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Carbazole	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
4-Chloroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

 Lab ID: **1074510002**

Date Collected: 2/28/2014 15:40

Matrix: Water

 Sample ID: **MW-6**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
3,3-Dichlorobenzidine	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2,4-Dimethylphenol	30.1		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2,4-Dinitrophenol	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Isophorone	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2-Methylnaphthalene	ND		ug/L	1.9	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Naphthalene	1.7		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Pentachlorophenol	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C

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 Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1074510 AMW

Lab ID: **1074510002**

Date Collected: 2/28/2014 15:40

Matrix: Water

Sample ID: **MW-6**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
1,2,4,5-Tetrachlorobenzene	ND	2	ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	86.6		%	40-125	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2-Fluorobiphenyl (S)	85.4		%	50-110	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
2-Fluorophenol (S)	56.2		%	20-75	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Nitrobenzene-d5 (S)	92.7		%	40-110	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Phenol-d5 (S)	35.6		%	13-49	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
Terphenyl-d14 (S)	71.3		%	50-122	SW846 8270D	3/6/14	CAC	3/7/14 02:52	DRS	C
PCBs										
Aroclor-1016	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	41.3		%	30-150	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
Tetrachloro-m-xylene (S)	75.2		%	36-112	SW846 8082A	3/6/14	LEH	3/8/14 11:45	EGO	E
METALS										
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	3/6/14	SRT	3/17/14 20:21	SRT	G
Barium, Dissolved	0.050		mg/L	0.010	SW846 6010C	3/6/14	SRT	3/17/14 20:21	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	3/6/14	SRT	3/17/14 20:21	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	3/6/14	SRT	3/17/14 20:21	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	3/6/14	SRT	3/17/14 20:21	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	3/18/14	MNP	3/18/14 14:03	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	3/6/14	SRT	3/17/14 20:21	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	3/6/14	SRT	3/17/14 20:21	SRT	G

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ANALYTICAL RESULTS

Workorder: 1074510 AMW

Lab ID: 1074510002

Date Collected: 2/28/2014 15:40

Matrix: Water

Sample ID: MW-6

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:Vicki Forney
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 1074509 AMW

 Lab ID: **1074509003**

Date Collected: 3/5/2014 20:45

Matrix: Water

Sample ID: Trip Blank

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/6/14 10:49	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Bromoform	ND	1	ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/6/14 10:49	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/6/14 10:49	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/6/14 10:49	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/6/14 10:49	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/6/14 10:49	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/6/14 10:49	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

 Lab ID: **1074509003**

Date Collected: 3/5/2014 20:45

Matrix: Water

Sample ID: Trip Blank

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/6/14 10:49	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/6/14 10:49	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B		3/6/14 10:49	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B		3/6/14 10:49	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	93.6		%	62-133	SW846 8260B		3/6/14 10:49	JPA	A
4-Bromofluorobenzene (S)	90.1		%	79-114	SW846 8260B		3/6/14 10:49	JPA	A
Dibromofluoromethane (S)	83.8		%	78-116	SW846 8260B		3/6/14 10:49	JPA	A
Toluene-d8 (S)	104		%	76-127	SW846 8260B		3/6/14 10:49	JPA	A

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1074509 AMW

PARAMETER QUALIFIERS\FLAGS

- [1] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Bromoform. The % Recovery was reported as 67.7 and the control limits were 70 to 123.

- [2] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 1,2,4,5-Tetrachlorobenzene. The % Recovery was reported as 48.9 and the control limits were 50 to 102.

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Page of
 Courier:
 Tracking #:

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/
 SAMPLER. INSTRUCTIONS ON THE BACK

34 Dogwood Lane
 Middletown, PA 17057
 P. 717-944-5541
 F. 717-944-1430



Co. Name: EarthRes
Contact (Report to): Scott Campbell
Address: 6912 Old Esplanade Rd.
 Pipestown, PA 18447
Phone: 215-764-1211

Project Name#: AMW GW
ALS Quote #:
TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
Email? Y N scampbell@earthres.com
Fax? Y N

Bill to (different than Report to):
PO#:

Sample Description/Location <small>(as it will appear on the lab report)</small>	COC Comments	Sample Date	Military Time	Matrix	Enter Number of Containers Per Analysis
1 Rinse Blank		2/20/14	1430	6 OL	2 2 2 1
2 AMW-1		2/25/14	1400	6 OL	2 2 1
3 Trip Blank	1 Bottle upon delivery	2/25/14	N/A	6 OL	2 Broken upon receipt
4					
5					
6					
7					
8					

ANALYSES/METHOD REQUESTED

BNA
 PCB
 VOC
 Dissolved metals (field filtered)

Container Type AB
Container Size 1 1 1 1 1 1 1 1 1 1
Preservatives 1 1 1 1 1 1 1 1 1 1

Correct containers? Y N N N N N N N N N
(If present) Seals intact? Y N N N N N N N N N
Received on ice? Y N N N N N N N N N
COC labels complete/accurate? Y N N N N N N N N N
Containers in good condition? Y N N N N N N N N N

ALS FIELD SERVICES
 Pump
 Labor
 Composite Sampling
 Rental Equipment
 Other

SDWA Form/Co
 Standard: CLP-100 NJ-Residual NJ-F-101
 Data Deliverables: If yes, format type: Other

Size Samples Collected in?
 NO MI NY PA

EDS Requested? YES NO

DOD Criteria Required? YES NO

SAMPLED BY (Please Print): Rym Conella
Relinquished By / Company Name
 1 Rym Conella 866
 2 Rym Conella 866
 3 Rym Conella 866
 4 Rym Conella 866
 5 Rym Conella 866
 6 Rym Conella 866
 7 Rym Conella 866
 8 Rym Conella 866
 9 Rym Conella 866
 10 Rym Conella 866

Date 2/20/14 1800 2/25/14 1400 2/25/14 N/A
Received By / Company Name Rym Conella
Date 2/20/14 1800 2/25/14 1400 2/25/14 N/A

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

 Lab ID: **1074508002**

Date Collected: 2/28/2014 00:00

Matrix: Water

 Sample ID: **F-DUP**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/6/14 17:04	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Bromoform	ND	1	ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/6/14 17:04	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/6/14 17:04	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/6/14 17:04	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/6/14 17:04	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/6/14 17:04	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/6/14 17:04	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 17:04	JPA	A

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

 Lab ID: **1074508002**

Date Collected: 2/28/2014 00:00

Matrix: Water

 Sample ID: **F-DUP**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B			3/6/14 17:04	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B			3/6/14 17:04	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B			3/6/14 17:04	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B			3/6/14 17:04	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	94.4		%	62-133	SW846 8260B			3/6/14 17:04	JPA	A
4-Bromofluorobenzene (S)	87.6		%	79-114	SW846 8260B			3/6/14 17:04	JPA	A
Dibromofluoromethane (S)	89.2		%	78-116	SW846 8260B			3/6/14 17:04	JPA	A
Toluene-d8 (S)	102		%	76-127	SW846 8260B			3/6/14 17:04	JPA	A

SEMIVOLATILES

Acenaphthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Acetophenone	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Atrazine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Benzaldehyde	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Biphenyl	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
4-Bromophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Butylbenzylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Caprolactam	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Carbazole	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
4-Chloro-3-methylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
4-Chloroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

Lab ID: **1074508002**

Date Collected: 2/28/2014 00:00

Matrix: Water

Sample ID: **F-DUP**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2-Chloronaphthalene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2-Chlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
mp-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
o-Cresol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Di-n-Butylphthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Di-n-Octylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Dibenzofuran	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
3,3-Dichlorobenzidine	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2,4-Dichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Diethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2,4-Dimethylphenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Dimethylphthalate	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2,4-Dinitrophenol	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2,4-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2,6-Dinitrotoluene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Hexachlorobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Hexachlorobutadiene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Hexachlorocyclopentadiene	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Hexachloroethane	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Isophorone	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2-Methylnaphthalene	ND		ug/L	1.9	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
3-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
4-Nitroaniline	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Nitrobenzene	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
4-Nitrophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
N-Nitrosodiphenylamine	ND		ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Pentachlorophenol	ND		ug/L	15.1	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

 Lab ID: **1074508002**

Date Collected: 2/28/2014 00:00

Matrix: Water

 Sample ID: **F-DUP**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
1,2,4,5-Tetrachlorobenzene	ND	2	ug/L	2.8	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2,4,5-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2,4,6-Trichlorophenol	ND		ug/L	7.5	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	98.5		%	40-125	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2-Fluorobiphenyl (S)	93.5		%	50-110	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
2-Fluorophenol (S)	63.9		%	20-75	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Nitrobenzene-d5 (S)	99.6		%	40-110	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Phenol-d5 (S)	40.1		%	13-49	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
Terphenyl-d14 (S)	110		%	50-122	SW846 8270D	3/6/14	CAC	3/7/14 01:14	DRS	C
PCBs										
Aroclor-1016	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Aroclor-1221	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Aroclor-1232	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Aroclor-1242	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Aroclor-1248	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Aroclor-1254	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Aroclor-1260	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Aroclor-1262	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Aroclor-1268	ND		ug/L	0.47	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	45.9		%	30-150	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
Tetrachloro-m-xylene (S)	59.5		%	36-112	SW846 8082A	3/6/14	LEH	3/8/14 10:16	EGO	E
METALS										
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	3/6/14	SRT	3/12/14 20:56	SRT	G
Barium, Dissolved	0.077		mg/L	0.010	SW846 6010C	3/6/14	SRT	3/12/14 20:56	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	3/6/14	SRT	3/17/14 19:51	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	3/6/14	SRT	3/12/14 20:56	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	3/6/14	SRT	3/17/14 19:51	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	3/18/14	MNP	3/18/14 13:53	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	3/6/14	SRT	3/12/14 20:56	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	3/6/14	SRT	3/12/14 20:56	SRT	G

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ANALYTICAL RESULTS

Workorder: 1074508 AMW

Lab ID: **1074508002**

Date Collected: 2/28/2014 00:00

Matrix: Water

Sample ID: **F-DUP**

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

 Lab ID: **1074509001**
 Sample ID: **Rinse Blank**

 Date Collected: 2/28/2014 16:30
 Date Received: 3/5/2014 20:45

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		3/6/14 11:06	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Bromoform	ND	1	ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		3/6/14 11:06	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		3/6/14 11:06	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		3/6/14 11:06	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		3/6/14 11:06	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		3/6/14 11:06	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		3/6/14 11:06	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

 Lab ID: **1074509001**

Date Collected: 2/28/2014 16:30

Matrix: Water

Sample ID: Rinse Blank

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/6/14 11:06	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		3/6/14 11:06	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B		3/6/14 11:06	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B		3/6/14 11:06	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	97.1		%	62-133	SW846 8260B		3/6/14 11:06	JPA	A
4-Bromofluorobenzene (S)	91		%	79-114	SW846 8260B		3/6/14 11:06	JPA	A
Dibromofluoromethane (S)	84.9		%	78-116	SW846 8260B		3/6/14 11:06	JPA	A
Toluene-d8 (S)	106		%	76-127	SW846 8260B		3/6/14 11:06	JPA	A

SEMIVOLATILES

Acenaphthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Acenaphthylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Acetophenone	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Atrazine	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Benzaldehyde	ND		ug/L	15.3	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Benzo(a)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Benzo(a)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Benzo(b)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Benzo(g,h,i)perylene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Benzo(k)fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Biphenyl	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
4-Bromophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Butylbenzylphthalate	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Caprolactam	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Carbazole	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
4-Chloro-3-methylphenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
4-Chloroaniline	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

Lab ID: **1074509001**
Sample ID: **Rinse Blank**

Date Collected: 2/28/2014 16:30
Date Received: 3/5/2014 20:45

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2-Chloronaphthalene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2-Chlorophenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Chrysene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
mp-Cresol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
o-Cresol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Di-n-Butylphthalate	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Di-n-Octylphthalate	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Dibenzofuran	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
3,3-Dichlorobenzidine	ND		ug/L	15.3	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2,4-Dichlorophenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Diethylphthalate	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2,4-Dimethylphenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Dimethylphthalate	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2,4-Dinitrophenol	ND		ug/L	15.3	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2,4-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2,6-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Fluoranthene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Fluorene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Hexachlorobenzene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Hexachlorobutadiene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Hexachlorocyclopentadiene	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Hexachloroethane	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Isophorone	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2-Methylnaphthalene	ND		ug/L	1.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Naphthalene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2-Nitroaniline	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
3-Nitroaniline	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
4-Nitroaniline	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Nitrobenzene	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2-Nitrophenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
4-Nitrophenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
N-Nitrosodiphenylamine	ND		ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Pentachlorophenol	ND		ug/L	15.3	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Phenanthrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

 Lab ID: **1074509001**
 Sample ID: **Rinse Blank**

Date Collected: 2/28/2014 16:30

Matrix: Water

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Pyrene	ND		ug/L	1.4	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
1,2,4,5-Tetrachlorobenzene	ND	2	ug/L	2.9	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2,4,5-Trichlorophenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2,4,6-Trichlorophenol	ND		ug/L	7.7	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	94.1		%	40-125	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2-Fluorobiphenyl (S)	89.9		%	50-110	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
2-Fluorophenol (S)	60.4		%	20-75	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Nitrobenzene-d5 (S)	97.4		%	40-110	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Phenol-d5 (S)	38.5		%	13-49	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
Terphenyl-d14 (S)	106		%	50-122	SW846 8270D	3/6/14	CAC	3/7/14 04:06	DRS	C
PCBs										
Aroclor-1016	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Aroclor-1221	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Aroclor-1232	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Aroclor-1242	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Aroclor-1248	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Aroclor-1254	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Aroclor-1260	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Aroclor-1262	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Aroclor-1268	ND		ug/L	0.49	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	90		%	30-150	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
Tetrachloro-m-xylene (S)	76.8		%	36-112	SW846 8082A	3/6/14	LEH	3/8/14 12:39	EGO	E
METALS										
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	3/6/14	SRT	3/17/14 20:08	SRT	G
Barium, Dissolved	ND		mg/L	0.010	SW846 6010C	3/6/14	SRT	3/17/14 20:08	SRT	G
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	3/6/14	SRT	3/17/14 20:08	SRT	G
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	3/6/14	SRT	3/17/14 20:08	SRT	G
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	3/6/14	SRT	3/17/14 20:08	SRT	G
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	3/18/14	MNP	3/18/14 13:59	MNP	G1
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	3/6/14	SRT	3/17/14 20:08	SRT	G
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	3/6/14	SRT	3/17/14 20:08	SRT	G

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ANALYTICAL RESULTS

Workorder: 1074509 AMW

Lab ID: **1074509001**

Date Collected: 2/28/2014 16:30

Matrix: Water

Sample ID: Rinse Blank

Date Received: 3/5/2014 20:45

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
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Sample Comments:

Vicki Forney
Project Coordinator

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April 30, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name:	AMW	Workorder:	2001202
Purchase Order:		Workorder ID:	AMW

Dear Mr. Campbell:

Enclosed are the analytical results for samples received by the laboratory on Thursday, April 10, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vicki A. Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

Mrs. Vicki A. Forney
Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 2001202 AMW

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2001202001	P-52	Solid	4/9/2014 08:45	4/10/2014 21:40	Collected by Client
2001202002	P-53	Solid	4/9/2014 08:50	4/10/2014 21:40	Collected by Client
2001202003	P-54	Solid	4/9/2014 09:00	4/10/2014 21:40	Collected by Client
2001202004	P-55	Solid	4/9/2014 09:10	4/10/2014 21:40	Collected by Client
2001202005	P-56	Solid	4/9/2014 09:15	4/10/2014 21:40	Collected by Client
2001202006	P-57	Solid	4/9/2014 10:00	4/10/2014 21:40	Collected by Client
2001202007	P-58	Solid	4/9/2014 10:30	4/10/2014 21:40	Collected by Client
2001202008	P-59	Solid	4/9/2014 11:30	4/10/2014 21:40	Collected by Client
2001202009	P-60	Solid	4/9/2014 11:40	4/10/2014 21:40	Collected by Client
2001202010	P-61	Solid	4/9/2014 11:50	4/10/2014 21:40	Collected by Client
2001202011	P-62	Solid	4/9/2014 12:00	4/10/2014 21:40	Collected by Client
2001202012	P-63	Solid	4/9/2014 12:30	4/10/2014 21:40	Collected by Client
2001202013	P-64	Solid	4/9/2014 12:50	4/10/2014 21:40	Collected by Client
2001202014	P-65	Solid	4/9/2014 13:30	4/10/2014 21:40	Collected by Client
2001202015	P-66	Solid	4/9/2014 13:30	4/10/2014 21:40	Collected by Client
2001202016	F-DUP [P-64]	Solid	4/9/2014 13:00	4/10/2014 21:40	Collected by Client
2001202017	F-DUP 2 [P-55]	Solid	4/9/2014 09:10	4/10/2014 21:40	Collected by Client
2001202018	P-6A	Solid	4/9/2014 10:40	4/10/2014 21:40	Collected by Client
2001202019	P-6B	Solid	4/9/2014 10:45	4/10/2014 21:40	Collected by Client
2001202020	P-6C	Solid	4/9/2014 10:45	4/10/2014 21:40	Collected by Client
2001202021	P-6D	Solid	4/9/2014 10:50	4/10/2014 21:40	Collected by Client

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SAMPLE SUMMARY

Workorder: 2001202 AMW

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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PROJECT SUMMARY

Workorder: 2001202 AMW

Sample Comments**Lab ID:** 2001202001**Sample ID:** P-52**Sample Type:** SAMPLE

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

Lab ID: 2001202002**Sample ID:** P-53**Sample Type:** SAMPLE

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the Method 8270 analysis due to sample matrix interferences. Reporting limits were adjusted accordingly.

Lab ID: 2001202004**Sample ID:** P-55**Sample Type:** SAMPLE

One or more of the method 8260 internal standards were recovered outside of the control limits. The sample was re-analyzed with similar results, indicating a significant matrix interference.

Lab ID: 2001202005**Sample ID:** P-56**Sample Type:** SAMPLE

This sample was analyzed at a dilution in the 8082 PCB analysis due to the level of Aroclor detected. Reporting limits were adjusted accordingly.

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

Lab ID: 2001202006**Sample ID:** P-57**Sample Type:** SAMPLE

The reporting limits for GCMS volatile analytes were raised due to the dilution of the sample caused by the level of non-target compounds.

Lab ID: 2001202007**Sample ID:** P-58**Sample Type:** SAMPLE

The reporting limits for GCMS volatile analytes were raised due to the dilution of the sample caused by the level of non-target compounds.

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the Method 8270 analysis due to sample matrix interferences. Reporting limits were adjusted accordingly.

Lab ID: 2001202008**Sample ID:** P-59**Sample Type:** SAMPLE

The GCMS volatiles analysis was performed at a dilution due to the level of target compounds.

Lab ID: 2001202010**Sample ID:** P-61**Sample Type:** SAMPLE

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the Method 8270 analysis due to sample matrix interferences. Reporting limits were adjusted accordingly.

Lab ID: 2001202011**Sample ID:** P-62**Sample Type:** SAMPLE

One or more of the method 8260 internal standards were recovered outside of the control limits.

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

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PROJECT SUMMARY

Workorder: 2001202 AMW

Lab ID: 2001202011

Sample ID: P-62

Sample Type: SAMPLE

This sample was analyzed at a dilution in the Method 8270 analysis due to sample matrix interferences. Reporting limits were adjusted accordingly.

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202001
Sample ID: P-52

Date Collected: 4/9/2014 08:45 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	105		ug/kg	13.0	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Benzene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Bromochloromethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Bromodichloromethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Bromoform	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Bromomethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
2-Butanone	36.8		ug/kg	13.0	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Carbon Disulfide	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Carbon Tetrachloride	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Chlorobenzene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Chlorodibromomethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Chloroethane	ND		ug/kg	6.5	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Chloroform	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Chloromethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Cyclohexane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,2-Dibromoethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,2-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,3-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,4-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Dichlorodifluoromethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,1-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,2-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,1-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
cis-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,2-Dichloropropane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
cis-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
trans-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,4-Dioxane	ND		ug/kg	97.4	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Ethylbenzene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Freon 113	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
2-Hexanone	ND		ug/kg	13.0	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Isopropylbenzene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Methyl acetate	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Methyl cyclohexane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202001**

Date Collected: 4/9/2014 08:45 Matrix: Solid

 Sample ID: **P-52**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.0	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Methylene Chloride	3.8		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Styrene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Tetrachloroethene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Toluene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,1,1-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Trichloroethene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Trichlorofluoromethane	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
Vinyl Chloride	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
o-Xylene	ND		ug/kg	2.6	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
mp-Xylene	ND		ug/kg	5.2	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Acenaphthylene	ND		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Acetophenone	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Anthracene	84.6		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Atrazine	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Benzaldehyde	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Benzo(a)anthracene	494		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Benzo(a)pyrene	550		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Benzo(b)fluoranthene	990		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Benzo(g,h,i)perylene	285		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Benzo(k)fluoranthene	421		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Biphenyl	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Butylbenzylphthalate	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Caprolactam	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Carbazole	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
4-Chloroaniline	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202001**

Date Collected: 4/9/2014 08:45 Matrix: Solid

Sample ID: **P-52**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2-Chloronaphthalene	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2-Chlorophenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Chrysene	613		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
mp-Cresol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
o-Cresol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Di-n-Butylphthalate	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Di-n-Octylphthalate	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Dibenzofuran	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	157	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,4-Dichlorophenol	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Diethylphthalate	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,4-Dimethylphenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Dimethylphthalate	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,4-Dinitrophenol	ND		ug/kg	209	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Fluoranthene	945		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Fluorene	ND		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Hexachlorobenzene	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Hexachlorobutadiene	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Hexachloroethane	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Indeno(1,2,3-cd)pyrene	230		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Isophorone	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2-Methylnaphthalene	ND		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Naphthalene	ND		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2-Nitroaniline	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
3-Nitroaniline	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
4-Nitroaniline	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Nitrobenzene	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2-Nitrophenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
4-Nitrophenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202001**

Date Collected: 4/9/2014 08:45 Matrix: Solid

Sample ID: **P-52**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Pentachlorophenol	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Phenanthrene	538		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Phenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
Pyrene	2120		ug/kg	52.2	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	282	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Aroclor-1221	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Aroclor-1232	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Aroclor-1242	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Aroclor-1248	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Aroclor-1254	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Aroclor-1260	0.098		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Aroclor-1262	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Aroclor-1268	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
WET CHEMISTRY									
Moisture	5.2		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	94.8		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	12.3		mg/kg	4.2	SW846 6010C	4/20/14 AAM	4/21/14 13:29	SRT	D1
Barium, Total	23.5		mg/kg	2.1	SW846 6010C	4/20/14 AAM	4/21/14 13:29	SRT	D1
Cadmium, Total	ND		mg/kg	1.1	SW846 6010C	4/20/14 AAM	4/21/14 13:29	SRT	D1
Chromium, Total	21.3		mg/kg	2.1	SW846 6010C	4/20/14 AAM	4/21/14 13:29	SRT	D1
Lead, Total	43.2		mg/kg	4.2	SW846 6010C	4/20/14 AAM	4/21/14 13:29	SRT	D1
Mercury, Total	ND		mg/kg	0.053	SW846 7471B	4/23/14 MNP	4/23/14 12:29	MNP	D2
Selenium, Total	ND		mg/kg	10.5	SW846 6010C	4/20/14 AAM	4/21/14 13:29	SRT	D1
Silver, Total	ND		mg/kg	1.1	SW846 6010C	4/20/14 AAM	4/21/14 13:29	SRT	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Terphenyl-d14 (S)	166	1	%	38 - 113	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2,4,6-Tribromophenol (S)	65.3		%	37 - 123	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	115		%	51 - 128	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202001**
 Sample ID: **P-52**

 Date Collected: 4/9/2014 08:45 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	79.9		%	41 - 110	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
2-Fluorophenol (S)	70.7		%	35 - 104	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	110		%	56 - 124	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorobiphenyl (S)	77.8		%	45 - 105	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	99.5		%	62 - 123	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	82.9		%	46 - 120	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
Tetrachloro-m-xylene (S)	73.1		%	52 - 115	SW846 8082A	4/21/14 JJP	4/21/14 21:24	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Phenol-d5 (S)	68.7		%	40 - 100	SW846 8270D	4/22/14 MMM	4/23/14 10:20	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Toluene-d8 (S)	104		%	59 - 131	SW846 8260B	4/9/14 JPA	4/17/14 20:14	JPA	A



 Mrs. Vicki A. Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202002

Date Collected: 4/9/2014 08:50 Matrix: Solid

Sample ID: P-53

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	91.8		ug/kg	9.7	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Benzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Bromochloromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Bromodichloromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Bromoform	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Bromomethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
2-Butanone	28.2		ug/kg	9.7	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Carbon Disulfide	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Carbon Tetrachloride	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Chlorobenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Chlorodibromomethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Chloroethane	ND		ug/kg	4.8	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Chloroform	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Chloromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Cyclohexane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,2-Dibromoethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,2-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,3-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,4-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Dichlorodifluoromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,1-Dichloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,2-Dichloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,1-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
cis-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,2-Dichloropropane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
cis-1,3-Dichloropropene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
trans-1,3-Dichloropropene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,4-Dioxane	ND		ug/kg	72.5	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Ethylbenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Freon 113	3.8		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
2-Hexanone	ND		ug/kg	9.7	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Isopropylbenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Methyl acetate	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Methyl cyclohexane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202002**
 Sample ID: **P-53**

 Date Collected: 4/9/2014 08:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.7	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Methylene Chloride	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Styrene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Tetrachloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Toluene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,1,1-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Trichloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Trichlorofluoromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Vinyl Chloride	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
o-Xylene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
mp-Xylene	ND		ug/kg	3.9	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Acenaphthylene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Acetophenone	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Anthracene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Atrazine	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Benzaldehyde	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Benzo(a)anthracene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Benzo(a)pyrene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Biphenyl	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Butylbenzylphthalate	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Caprolactam	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Carbazole	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
4-Chloroaniline	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202002**
 Sample ID: **P-53**

 Date Collected: 4/9/2014 08:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2-Chloronaphthalene	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2-Chlorophenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Chrysene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
mp-Cresol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
o-Cresol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Di-n-Butylphthalate	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Dibenzofuran	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	600	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2,4-Dichlorophenol	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Diethylphthalate	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Dimethylphthalate	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2,4-Dinitrophenol	ND		ug/kg	801	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Fluoranthene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Fluorene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Hexachlorobenzene	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Hexachlorobutadiene	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Hexachloroethane	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Isophorone	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2-Methylnaphthalene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Naphthalene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2-Nitroaniline	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
3-Nitroaniline	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
4-Nitroaniline	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Nitrobenzene	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2-Nitrophenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
4-Nitrophenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202002
Sample ID: P-53

Date Collected: 4/9/2014 08:50 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Pentachlorophenol	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Phenanthrene	ND		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Phenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Pyrene	336		ug/kg	200	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1080	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	400	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
Aroclor-1221	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
Aroclor-1232	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
Aroclor-1242	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
Aroclor-1248	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
Aroclor-1254	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
Aroclor-1260	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
Aroclor-1262	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
Aroclor-1268	ND		mg/kg	0.031	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
WET CHEMISTRY									
Moisture	1.7		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	98.3		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	ND		mg/kg	9.1	SW846 6010C	4/20/14 AAM	4/21/14 13:33	SRT	D1
Barium, Total	21.5		mg/kg	4.5	SW846 6010C	4/20/14 AAM	4/21/14 13:33	SRT	D1
Cadmium, Total	ND		mg/kg	2.3	SW846 6010C	4/20/14 AAM	4/21/14 13:33	SRT	D1
Chromium, Total	8.3		mg/kg	4.5	SW846 6010C	4/20/14 AAM	4/21/14 13:33	SRT	D1
Lead, Total	26.6		mg/kg	9.1	SW846 6010C	4/20/14 AAM	4/21/14 13:33	SRT	D1
Mercury, Total	ND		mg/kg	0.051	SW846 7471B	4/23/14 MNP	4/23/14 12:33	MNP	D2
Selenium, Total	ND		mg/kg	22.7	SW846 6010C	4/20/14 AAM	4/21/14 13:33	SRT	D1
Silver, Total	ND		mg/kg	2.3	SW846 6010C	4/20/14 AAM	4/21/14 13:33	SRT	D1
Surrogate Recoveries									
Nitrobenzene-d5 (S)	50.9		%	41 - 110	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
2-Fluorophenol (S)	55.1		%	35 - 104	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Phenol-d5 (S)	54.5		%	40 - 100	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Surrogate Recoveries									
	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr

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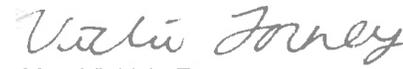
ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202002**
 Sample ID: **P-53**

 Date Collected: 4/9/2014 08:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Bromofluorobenzene (S)	109		%	51 - 128	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorobiphenyl (S)	53.4		%	45 - 105	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	66.6		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	109		%	56 - 124	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
Toluene-d8 (S)	105		%	59 - 131	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	48		%	37 - 123	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
Terphenyl-d14 (S)	88.7		%	38 - 113	SW846 8270D	4/22/14 MMM	4/23/14 10:52	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	101		%	62 - 123	SW846 8260B	4/9/14 JPA	4/17/14 20:37	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	70.7		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 01:49	EGO	D


 Mrs. Vicki A. Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202003**
 Sample ID: **P-54**

 Date Collected: 4/9/2014 09:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	24.2		ug/kg	9.4	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Benzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Bromochloromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Bromodichloromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Bromoform	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Bromomethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
2-Butanone	ND		ug/kg	9.4	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Carbon Disulfide	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Carbon Tetrachloride	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Chlorobenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Chlorodibromomethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Chloroethane	ND		ug/kg	4.7	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Chloroform	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Chloromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Cyclohexane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,2-Dibromoethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,2-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,3-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,4-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Dichlorodifluoromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,1-Dichloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,2-Dichloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,1-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
cis-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,2-Dichloropropane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
cis-1,3-Dichloropropene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
trans-1,3-Dichloropropene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,4-Dioxane	ND		ug/kg	70.6	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Ethylbenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Freon 113	43.5		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
2-Hexanone	ND		ug/kg	9.4	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Isopropylbenzene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Methyl acetate	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Methyl cyclohexane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202003**
 Sample ID: **P-54**

 Date Collected: 4/9/2014 09:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.4	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Methylene Chloride	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Styrene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Tetrachloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Toluene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,1,1-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Trichloroethene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Trichlorofluoromethane	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
Vinyl Chloride	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
o-Xylene	ND		ug/kg	1.9	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
mp-Xylene	ND		ug/kg	3.8	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Acenaphthylene	ND		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Acetophenone	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Anthracene	ND		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Atrazine	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Benzaldehyde	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Benzo(a)anthracene	1220		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Benzo(a)pyrene	1750		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Benzo(b)fluoranthene	3730		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Benzo(g,h,i)perylene	829		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Benzo(k)fluoranthene	1430		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Biphenyl	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Butylbenzylphthalate	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Caprolactam	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Carbazole	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
4-Chloroaniline	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202003**

Date Collected: 4/9/2014 09:00 Matrix: Solid

 Sample ID: **P-54**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2-Chloronaphthalene	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2-Chlorophenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Chrysene	1810		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
mp-Cresol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
o-Cresol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Di-n-Butylphthalate	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Dibenzo(a,h)anthracene	214		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Dibenzofuran	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	615	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,4-Dichlorophenol	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Diethylphthalate	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Dimethylphthalate	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,4-Dinitrophenol	ND		ug/kg	820	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Fluoranthene	4190		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Fluorene	ND		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Hexachlorobenzene	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Hexachlorobutadiene	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Hexachloroethane	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Indeno(1,2,3-cd)pyrene	810		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Isophorone	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2-Methylnaphthalene	ND		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Naphthalene	ND		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2-Nitroaniline	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
3-Nitroaniline	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
4-Nitroaniline	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Nitrobenzene	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2-Nitrophenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
4-Nitrophenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202003**
 Sample ID: **P-54**

 Date Collected: 4/9/2014 09:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Pentachlorophenol	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Phenanthrene	703		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Phenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Pyrene	2030		ug/kg	205	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	410	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
Aroclor-1221	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
Aroclor-1232	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
Aroclor-1242	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
Aroclor-1248	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
Aroclor-1254	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
Aroclor-1260	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
Aroclor-1262	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
Aroclor-1268	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
WET CHEMISTRY									
Moisture	3.4		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	96.6		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	ND		mg/kg	10.2	SW846 6010C	4/20/14 AAM	4/21/14 13:46	SRT	D1
Barium, Total	32.5		mg/kg	5.1	SW846 6010C	4/20/14 AAM	4/21/14 13:46	SRT	D1
Cadmium, Total	ND		mg/kg	2.5	SW846 6010C	4/20/14 AAM	4/21/14 13:46	SRT	D1
Chromium, Total	17.0		mg/kg	5.1	SW846 6010C	4/20/14 AAM	4/21/14 13:46	SRT	D1
Lead, Total	77.0		mg/kg	10.2	SW846 6010C	4/20/14 AAM	4/21/14 13:46	SRT	D1
Mercury, Total	ND		mg/kg	0.045	SW846 7471B	4/23/14 MNP	4/23/14 12:36	MNP	D2
Selenium, Total	ND		mg/kg	25.4	SW846 6010C	4/20/14 AAM	4/21/14 13:46	SRT	D1
Silver, Total	ND		mg/kg	2.5	SW846 6010C	4/20/14 AAM	4/21/14 13:46	SRT	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	71.1		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	102		%	62 - 123	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202003**
 Sample ID: **P-54**

 Date Collected: 4/9/2014 09:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	70.3		%	41 - 110	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Toluene-d8 (S)	103		%	59 - 131	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorobiphenyl (S)	81.8		%	45 - 105	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	68.4		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 02:06	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	111		%	56 - 124	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Phenol-d5 (S)	71.3		%	40 - 100	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2-Fluorophenol (S)	70.2		%	35 - 104	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
2,4,6-Tribromophenol (S)	80.3		%	37 - 123	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
Terphenyl-d14 (S)	57.1		%	38 - 113	SW846 8270D	4/22/14 MMM	4/25/14 11:53	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	109		%	51 - 128	SW846 8260B	4/9/14 JPA	4/17/14 21:00	JPA	A



 Mrs. Vicki A. Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202004**

Date Collected: 4/9/2014 09:10 Matrix: Solid

 Sample ID: **P-55**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	413		ug/kg	10.2	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Benzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Bromoform	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Bromomethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
2-Butanone	65.4		ug/kg	10.2	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Chloroethane	ND		ug/kg	5.1	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Chloroform	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Chloromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Cyclohexane	6.1		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
cis-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,4-Dioxane	ND		ug/kg	76.2	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Freon 113	101		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
2-Hexanone	ND		ug/kg	10.2	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Methyl acetate	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202004

Date Collected: 4/9/2014 09:10 Matrix: Solid

Sample ID: P-55

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	10.2	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Methylene Chloride	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Styrene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Tetrachloroethene	2.7		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Toluene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Trichloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
o-Xylene	ND		ug/kg	2.0	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
mp-Xylene	ND		ug/kg	4.1	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
PCBs									
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
Aroclor-1260	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
WET CHEMISTRY									
Moisture	15.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	85.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	106		%	56 - 124	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
4-Bromofluorobenzene (S)	180	1	%	51 - 128	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	71.9		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202004**

Date Collected: 4/9/2014 09:10 Matrix: Solid

Sample ID: **P-55**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Toluene-d8 (S)	111		%	59 - 131	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	74		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 02:24	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	101		%	62 - 123	SW846 8260B	4/9/14 JPA	4/17/14 21:23	JPA	A



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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202005**
 Sample ID: **P-56**

 Date Collected: 4/9/2014 09:15 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	77.0		ug/kg	9.9	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Benzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Bromoform	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Bromomethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
2-Butanone	27.1		ug/kg	9.9	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Chloroethane	ND		ug/kg	5.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Chloroform	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Chloromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Cyclohexane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,4-Dioxane	ND		ug/kg	74.4	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Freon 113	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
2-Hexanone	ND		ug/kg	9.9	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Methyl acetate	ND	2	ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202005**
 Sample ID: **P-56**

 Date Collected: 4/9/2014 09:15 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.9	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Methylene Chloride	2.8	1	ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Styrene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Tetrachloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Toluene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Trichloroethene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
o-Xylene	ND		ug/kg	2.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
mp-Xylene	ND		ug/kg	4.0	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Acenaphthylene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Acetophenone	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Anthracene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Atrazine	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Benzaldehyde	ND		ug/kg	2970	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Benzo(a)anthracene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Benzo(a)pyrene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Biphenyl	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Butylbenzylphthalate	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Caprolactam	ND		ug/kg	2970	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Carbazole	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	2970	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
4-Chloroaniline	ND		ug/kg	2970	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202005**
 Sample ID: **P-56**

 Date Collected: 4/9/2014 09:15 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2-Chloronaphthalene	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2-Chlorophenol	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Chrysene	ND		ug/kg	550	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
mp-Cresol	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
o-Cresol	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Di-n-Butylphthalate	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Di-n-Octylphthalate	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	550	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Dibenzofuran	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	1650	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2,4-Dichlorophenol	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Diethylphthalate	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2,4-Dimethylphenol	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Dimethylphthalate	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2,4-Dinitrophenol	ND		ug/kg	2200	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
bis(2-Ethylhexyl)phthalate	1790		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Fluoranthene	ND		ug/kg	550	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Fluorene	ND		ug/kg	550	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Hexachlorobenzene	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Hexachlorobutadiene	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Hexachloroethane	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	550	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Isophorone	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2-Methylnaphthalene	ND		ug/kg	550	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Naphthalene	ND		ug/kg	550	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2-Nitroaniline	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
3-Nitroaniline	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
4-Nitroaniline	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
Nitrobenzene	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
2-Nitrophenol	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
4-Nitrophenol	ND		ug/kg	2970	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	1100	SW846 8270D	4/22/14	MMM 4/25/14 14:02	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202005**
 Sample ID: **P-56**

 Date Collected: 4/9/2014 09:15 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Pentachlorophenol	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Phenanthrene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Phenol	ND		ug/kg	2970	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Pyrene	ND		ug/kg	550	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	2970	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	2970	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	1100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Aroclor-1221	ND		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Aroclor-1232	ND		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Aroclor-1242	ND		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Aroclor-1248	ND		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Aroclor-1254	ND		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Aroclor-1260	6.6		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Aroclor-1262	ND		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Aroclor-1268	ND		mg/kg	0.36	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
WET CHEMISTRY									
Moisture	11.7		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	88.3		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	15.9		mg/kg	2.1	SW846 6010C	4/20/14 AAM	4/21/14 12:39	SRT	D1
Barium, Total	50.6		mg/kg	1.0	SW846 6010C	4/20/14 AAM	4/21/14 12:39	SRT	D1
Cadmium, Total	ND		mg/kg	0.52	SW846 6010C	4/20/14 AAM	4/21/14 12:39	SRT	D1
Chromium, Total	24.3		mg/kg	1.0	SW846 6010C	4/20/14 AAM	4/21/14 12:39	SRT	D1
Lead, Total	36.8		mg/kg	2.1	SW846 6010C	4/20/14 AAM	4/21/14 12:39	SRT	D1
Mercury, Total	ND		mg/kg	0.057	SW846 7471B	4/23/14 MNP	4/23/14 12:37	MNP	D2
Selenium, Total	ND		mg/kg	5.2	SW846 6010C	4/20/14 AAM	4/21/14 12:39	SRT	D1
Silver, Total	ND		mg/kg	0.52	SW846 6010C	4/20/14 AAM	4/21/14 12:39	SRT	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	95.1		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
Decachlorobiphenyl (S)	91.9		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 14:50	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	113		%	51 - 128	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202005**
 Sample ID: **P-56**

 Date Collected: 4/9/2014 09:15 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	73.3		%	41 - 110	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
2,4,6-Tribromophenol (S)	84.1		%	37 - 123	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Toluene-d8 (S)	106		%	59 - 131	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorobiphenyl (S)	88.5		%	45 - 105	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Phenol-d5 (S)	71.1		%	40 - 100	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	101		%	62 - 123	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorophenol (S)	67.3		%	35 - 104	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
Terphenyl-d14 (S)	135		%	38 - 113	SW846 8270D	4/22/14 MMM	4/25/14 14:02	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	107		%	56 - 124	SW846 8260B	4/9/14 DD	4/18/14 06:52	DD	B


 Mrs. Vicki A. Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202006**
 Sample ID: **P-57**

 Date Collected: 4/9/2014 10:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/kg	477	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Benzene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Bromochloromethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Bromodichloromethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Bromoform	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Bromomethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
2-Butanone	ND	1	ug/kg	477	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Carbon Disulfide	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Carbon Tetrachloride	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Chlorobenzene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Chlorodibromomethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Chloroethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Chloroform	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Chloromethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Cyclohexane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	334	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,2-Dibromoethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,2-Dichlorobenzene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,3-Dichlorobenzene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,4-Dichlorobenzene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Dichlorodifluoromethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,1-Dichloroethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,2-Dichloroethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,1-Dichloroethene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
cis-1,2-Dichloroethene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,2-Dichloropropane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
cis-1,3-Dichloropropene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
trans-1,3-Dichloropropene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,4-Dioxane	ND		ug/kg	15300	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Ethylbenzene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Freon 113	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
2-Hexanone	ND	2	ug/kg	239	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Isopropylbenzene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Methyl acetate	ND	4	ug/kg	95.5	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Methyl cyclohexane	ND	3	ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202006**
 Sample ID: **P-57**

 Date Collected: 4/9/2014 10:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	239	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Methylene Chloride	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Styrene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Tetrachloroethene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Toluene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,2,3-Trichlorobenzene	ND		ug/kg	95.5	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,2,4-Trichlorobenzene	ND		ug/kg	95.5	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,1,1-Trichloroethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Trichloroethene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Trichlorofluoromethane	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Vinyl Chloride	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
o-Xylene	ND		ug/kg	47.7	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
mp-Xylene	ND		ug/kg	95.5	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
WET CHEMISTRY									
Moisture	14.4		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	85.6		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
Dibromofluoromethane (S)	101		%	42 - 143	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
4-Bromofluorobenzene (S)	84.9		%	46 - 138	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
Toluene-d8 (S)	98.3		%	54 - 141	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A
1,2-Dichloroethane-d4 (S)	103		%	71 - 146	SW846 8260B	4/9/14 JAH	4/22/14 17:34	JPA	A


 Mrs. Vicki A. Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202007**
 Sample ID: **P-58**

 Date Collected: 4/9/2014 10:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/kg	741	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Benzene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Bromochloromethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Bromodichloromethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Bromoform	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Bromomethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
2-Butanone	ND	4	ug/kg	741	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Carbon Disulfide	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Carbon Tetrachloride	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Chlorobenzene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Chlorodibromomethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Chloroethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Chloroform	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Chloromethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Cyclohexane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	519	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,2-Dibromoethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,2-Dichlorobenzene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,3-Dichlorobenzene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,4-Dichlorobenzene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Dichlorodifluoromethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,1-Dichloroethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,2-Dichloroethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,1-Dichloroethene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
cis-1,2-Dichloroethene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
trans-1,2-Dichloroethene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,2-Dichloropropane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
cis-1,3-Dichloropropene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
trans-1,3-Dichloropropene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,4-Dioxane	ND		ug/kg	23700	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Ethylbenzene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Freon 113	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
2-Hexanone	ND	5	ug/kg	370	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Isopropylbenzene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Methyl acetate	ND	7	ug/kg	148	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Methyl cyclohexane	ND	6	ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202007**

Date Collected: 4/9/2014 10:30 Matrix: Solid

 Sample ID: **P-58**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	370	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Methylene Chloride	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Styrene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Tetrachloroethene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Toluene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,2,3-Trichlorobenzene	ND		ug/kg	148	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,2,4-Trichlorobenzene	ND		ug/kg	148	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,1,1-Trichloroethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
1,1,2-Trichloroethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Trichloroethene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Trichlorofluoromethane	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Vinyl Chloride	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
o-Xylene	ND		ug/kg	74.1	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
mp-Xylene	ND		ug/kg	148	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Acenaphthylene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Acetophenone	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Anthracene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Atrazine	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Benzaldehyde	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Benzo(a)anthracene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Benzo(a)pyrene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Biphenyl	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Butylbenzylphthalate	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Caprolactam	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Carbazole	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
4-Chloroaniline	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202007**
 Sample ID: **P-58**

 Date Collected: 4/9/2014 10:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2-Chloronaphthalene	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2-Chlorophenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Chrysene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
mp-Cresol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
o-Cresol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Di-n-Butylphthalate	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Dibenzofuran	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	631	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2,4-Dichlorophenol	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Diethylphthalate	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Dimethylphthalate	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2,4-Dinitrophenol	ND		ug/kg	841	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Fluoranthene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Fluorene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Hexachlorobenzene	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Hexachlorobutadiene	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Hexachloroethane	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Isophorone	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2-Methylnaphthalene	292		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Naphthalene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2-Nitroaniline	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
3-Nitroaniline	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
4-Nitroaniline	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Nitrobenzene	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2-Nitrophenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
4-Nitrophenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202007**
 Sample ID: **P-58**

 Date Collected: 4/9/2014 10:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Pentachlorophenol	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Phenanthrene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Phenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Pyrene	ND		ug/kg	210	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1140	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	420	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
WET CHEMISTRY									
Moisture	7.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	93.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	6.9		mg/kg	3.9	SW846 6010C	4/20/14 AAM	4/21/14 13:50	SRT	D1
Barium, Total	158		mg/kg	2.0	SW846 6010C	4/20/14 AAM	4/21/14 13:50	SRT	D1
Cadmium, Total	2.9		mg/kg	0.98	SW846 6010C	4/20/14 AAM	4/21/14 13:50	SRT	D1
Chromium, Total	93.4		mg/kg	2.0	SW846 6010C	4/20/14 AAM	4/21/14 13:50	SRT	D1
Lead, Total	489		mg/kg	3.9	SW846 6010C	4/20/14 AAM	4/21/14 13:50	SRT	D1
Mercury, Total	0.13		mg/kg	0.054	SW846 7471B	4/23/14 MNP	4/23/14 12:38	MNP	D2
Selenium, Total	ND		mg/kg	9.8	SW846 6010C	4/20/14 AAM	4/21/14 13:50	SRT	D1
Silver, Total	ND		mg/kg	0.98	SW846 6010C	4/20/14 AAM	4/21/14 13:50	SRT	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	66.8		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	156	2	%	71 - 146	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202007**
 Sample ID: **P-58**

 Date Collected: 4/9/2014 10:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	38.1		%	37 - 123	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	65.9		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 06:14	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorophenol (S)	43.8		%	35 - 104	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Terphenyl-d14 (S)	97.1		%	38 - 113	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	140		%	42 - 143	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
Toluene-d8 (S)	149	3	%	54 - 141	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	38.6	1	%	41 - 110	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
2-Fluorobiphenyl (S)	57.5		%	45 - 105	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
Phenol-d5 (S)	49.1		%	40 - 100	SW846 8270D	4/22/14 MMM	4/23/14 11:24	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	114		%	46 - 138	SW846 8260B	4/9/14 JAH	4/22/14 18:19	JPA	A



 Mrs. Vicki A. Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202008
Sample ID: P-59

Date Collected: 4/9/2014 11:30 Matrix: Solid
Date Received: 4/10/2014 21:40

Table with 10 columns: Parameters, Results, Flag, Units, RDL, Method, Prepared By, Analyzed, By, Cntr. It lists various chemical compounds under the heading 'VOLATILE ORGANICS' with their respective test results and detection limits.

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202008**
 Sample ID: **P-59**

 Date Collected: 4/9/2014 11:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	16500	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Methylene Chloride	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Styrene	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Tetrachloroethene	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Toluene	27600		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	6610	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	6610	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
1,1,1-Trichloroethane	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
1,1,2-Trichloroethane	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Trichloroethene	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Trichlorofluoromethane	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Vinyl Chloride	ND		ug/kg	3310	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
o-Xylene	478000		ug/kg	26500	SW846 8260B	4/9/14 JAH	4/22/14 17:56	JPA	A
mp-Xylene	2100000		ug/kg	52900	SW846 8260B	4/9/14 JAH	4/22/14 17:56	JPA	A
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Acenaphthylene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Acetophenone	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Anthracene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Atrazine	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Benzaldehyde	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Benzo(a)anthracene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Benzo(a)pyrene	ND		ug/kg	2660	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	2660	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	2660	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Biphenyl	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Butylbenzylphthalate	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Caprolactam	ND		ug/kg	14400	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Carbazole	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	14400	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
4-Chloroaniline	ND		ug/kg	14400	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	5320	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202008**
 Sample ID: **P-59**

 Date Collected: 4/9/2014 11:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2-Chloronaphthalene	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2-Chlorophenol	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Chrysene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
mp-Cresol	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
o-Cresol	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Di-n-Butylphthalate	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Di-n-Octylphthalate	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	2660	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Dibenzofuran	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	160	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,4-Dichlorophenol	ND		ug/kg	5320	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Diethylphthalate	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,4-Dimethylphenol	ND		ug/kg	14400	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Dimethylphthalate	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,4-Dinitrophenol	ND		ug/kg	213	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Fluoranthene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Fluorene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Hexachlorobenzene	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Hexachlorobutadiene	ND		ug/kg	5320	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Hexachloroethane	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	2660	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Isophorone	ND		ug/kg	5320	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2-Methylnaphthalene	ND		ug/kg	2660	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Naphthalene	117000		ug/kg	2660	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
2-Nitroaniline	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
3-Nitroaniline	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
4-Nitroaniline	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Nitrobenzene	ND		ug/kg	5320	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
2-Nitrophenol	ND		ug/kg	14400	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
4-Nitrophenol	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202008**
 Sample ID: **P-59**

 Date Collected: 4/9/2014 11:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Pentachlorophenol	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Phenanthrene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Phenol	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Pyrene	ND		ug/kg	53.2	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	287	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	106	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
Aroclor-1221	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
Aroclor-1232	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
Aroclor-1242	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
Aroclor-1248	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
Aroclor-1254	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
Aroclor-1260	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
Aroclor-1262	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
Aroclor-1268	ND		mg/kg	0.033	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
WET CHEMISTRY									
Moisture	6.9		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	93.1		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	12.9		mg/kg	4.1	SW846 6010C	4/20/14 AAM	4/21/14 13:53	SRT	D1
Barium, Total	143		mg/kg	2.1	SW846 6010C	4/20/14 AAM	4/21/14 13:53	SRT	D1
Cadmium, Total	2.4		mg/kg	1.0	SW846 6010C	4/20/14 AAM	4/21/14 13:53	SRT	D1
Chromium, Total	80.4		mg/kg	2.1	SW846 6010C	4/20/14 AAM	4/21/14 13:53	SRT	D1
Lead, Total	583		mg/kg	4.1	SW846 6010C	4/20/14 AAM	4/21/14 13:53	SRT	D1
Mercury, Total	0.055		mg/kg	0.047	SW846 7471B	4/23/14 MNP	4/23/14 12:41	MNP	D2
Selenium, Total	ND		mg/kg	10.3	SW846 6010C	4/20/14 AAM	4/21/14 13:53	SRT	D1
Silver, Total	ND		mg/kg	1.0	SW846 6010C	4/20/14 AAM	4/21/14 13:53	SRT	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorophenol (S)	36		%	35 - 104	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	78.1		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202008

Date Collected: 4/9/2014 11:30 Matrix: Solid

Sample ID: P-59

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Terphenyl-d14 (S)	95.4		%	38 - 113	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	70.1		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 06:32	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	93.5		%	42 - 143	SW846 8260B	4/9/14 JAH	4/22/14 17:56	JPA	A
4-Bromofluorobenzene (S)	222	3	%	46 - 138	SW846 8260B	4/9/14 JAH	4/22/14 17:56	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Terphenyl-d14 (S)	102		%	38 - 113	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	554	2	%	71 - 146	SW846 8260B	4/9/14 JAH	4/22/14 17:56	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Phenol-d5 (S)	60.7		%	40 - 100	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
2-Fluorobiphenyl (S)	78.5		%	45 - 105	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
2,4,6-Tribromophenol (S)	64.3		%	37 - 123	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
Phenol-d5 (S)	55.1		%	40 - 100	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Nitrobenzene-d5 (S)	212	1	%	41 - 110	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
Nitrobenzene-d5 (S)	106		%	41 - 110	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	111		%	42 - 143	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
1,2-Dichloroethane-d4 (S)	107		%	71 - 146	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Toluene-d8 (S)	106		%	54 - 141	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A
Toluene-d8 (S)	79.9		%	54 - 141	SW846 8260B	4/9/14 JAH	4/22/14 17:56	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorophenol (S)	49.6		%	35 - 104	SW846 8270D	4/22/14 MMM	4/23/14 11:57	CGS	D
2-Fluorobiphenyl (S)	76.8		%	45 - 105	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
2,4,6-Tribromophenol (S)	61.3		%	37 - 123	SW846 8270D	4/22/14 MMM	4/22/14 15:45	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	121		%	46 - 138	SW846 8260B	4/9/14 JAH	4/22/14 07:52	DD	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202008**
Sample ID: **P-59**

Date Collected: 4/9/2014 11:30 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Vicki Forney
Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202009**
 Sample ID: **P-60**

 Date Collected: 4/9/2014 11:40 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	48.3		ug/kg	9.1	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Benzene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Bromochloromethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Bromodichloromethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Bromoform	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Bromomethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
2-Butanone	20.0		ug/kg	9.1	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Carbon Disulfide	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Carbon Tetrachloride	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Chlorobenzene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Chlorodibromomethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Chloroethane	ND		ug/kg	4.5	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Chloroform	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Chloromethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Cyclohexane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,2-Dibromoethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,2-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,3-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,4-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Dichlorodifluoromethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,1-Dichloroethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,2-Dichloroethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,1-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,2-Dichloropropane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,4-Dioxane	ND		ug/kg	68.2	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Ethylbenzene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Freon 113	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
2-Hexanone	ND		ug/kg	9.1	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Isopropylbenzene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Methyl acetate	ND	1	ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Methyl cyclohexane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202009**
Sample ID: **P-60**

Date Collected: 4/9/2014 11:40 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.1	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Methylene Chloride	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Styrene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Tetrachloroethene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Toluene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,1,1-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,1,2-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Trichloroethene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Trichlorofluoromethane	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Vinyl Chloride	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
o-Xylene	ND		ug/kg	1.8	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
mp-Xylene	ND		ug/kg	3.6	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Acenaphthylene	ND		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Acetophenone	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Anthracene	ND		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Atrazine	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Benzaldehyde	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Benzo(a)anthracene	108		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Benzo(a)pyrene	183		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Benzo(b)fluoranthene	306		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Benzo(g,h,i)perylene	90.2		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Benzo(k)fluoranthene	104		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Biphenyl	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Butylbenzylphthalate	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Caprolactam	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Carbazole	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
4-Chloroaniline	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202009**
 Sample ID: **P-60**

 Date Collected: 4/9/2014 11:40 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2-Chloronaphthalene	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2-Chlorophenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Chrysene	148		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
mp-Cresol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
o-Cresol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Di-n-Butylphthalate	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Di-n-Octylphthalate	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Dibenzofuran	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	164	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,4-Dichlorophenol	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Diethylphthalate	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,4-Dimethylphenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Dimethylphthalate	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,4-Dinitrophenol	ND		ug/kg	219	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
bis(2-Ethylhexyl)phthalate	283		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Fluoranthene	112		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Fluorene	ND		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Hexachlorobenzene	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Hexachlorobutadiene	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Hexachloroethane	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Indeno(1,2,3-cd)pyrene	80.3		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Isophorone	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2-Methylnaphthalene	76.2		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Naphthalene	226		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2-Nitroaniline	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
3-Nitroaniline	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
4-Nitroaniline	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Nitrobenzene	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2-Nitrophenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
4-Nitrophenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202009**
 Sample ID: **P-60**

 Date Collected: 4/9/2014 11:40 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Pentachlorophenol	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Phenanthrene	70.7		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Phenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Pyrene	105		ug/kg	54.8	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	296	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
Aroclor-1221	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
Aroclor-1232	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
Aroclor-1242	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
Aroclor-1248	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
Aroclor-1254	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
Aroclor-1260	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
Aroclor-1262	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
Aroclor-1268	ND		mg/kg	0.036	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
WET CHEMISTRY									
Moisture	9.4		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	90.6		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	ND		mg/kg	4.2	SW846 6010C	4/20/14 AAM	4/21/14 13:00	SRT	D1
Barium, Total	61.5		mg/kg	2.1	SW846 6010C	4/20/14 AAM	4/21/14 13:00	SRT	D1
Cadmium, Total	1.2		mg/kg	1.1	SW846 6010C	4/20/14 AAM	4/21/14 13:00	SRT	D1
Chromium, Total	29.8		mg/kg	2.1	SW846 6010C	4/20/14 AAM	4/21/14 13:00	SRT	D1
Lead, Total	461		mg/kg	4.2	SW846 6010C	4/20/14 AAM	4/21/14 13:00	SRT	D1
Mercury, Total	ND		mg/kg	0.053	SW846 7471B	4/23/14 MNP	4/23/14 12:42	MNP	D2
Selenium, Total	ND		mg/kg	10.6	SW846 6010C	4/20/14 AAM	4/21/14 13:00	SRT	D1
Silver, Total	ND		mg/kg	1.1	SW846 6010C	4/20/14 AAM	4/21/14 13:00	SRT	D1
Surrogate Recoveries									
Nitrobenzene-d5 (S)	66.1		%	41 - 110	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2,4,6-Tribromophenol (S)	61.6		%	37 - 123	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Surrogate Recoveries									
Tetrachloro-m-xylene (S)	92.9		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D

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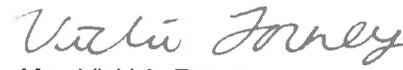
ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202009**
Sample ID: **P-60**

Date Collected: 4/9/2014 11:40 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Decachlorobiphenyl (S)	76.6		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 06:49	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Phenol-d5 (S)	58.2		%	40 - 100	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
Terphenyl-d14 (S)	69.8		%	38 - 113	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
2-Fluorophenol (S)	57.4		%	35 - 104	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Toluene-d8 (S)	103		%	59 - 131	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
Dibromofluoromethane (S)	99.8		%	62 - 123	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
4-Bromofluorobenzene (S)	111		%	51 - 128	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
1,2-Dichloroethane-d4 (S)	109		%	56 - 124	SW846 8260B	4/9/14 DD	4/18/14 07:15	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorobiphenyl (S)	71.7		%	45 - 105	SW846 8270D	4/22/14 MMM	4/22/14 16:18	CGS	D


Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202010**

Date Collected: 4/9/2014 11:50 Matrix: Solid

 Sample ID: **P-61**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	122		ug/kg	14.5	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Benzene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Bromochloromethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Bromodichloromethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Bromoform	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Bromomethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
2-Butanone	30.1		ug/kg	14.5	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Carbon Disulfide	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Carbon Tetrachloride	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Chlorobenzene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Chlorodibromomethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Chloroethane	ND		ug/kg	7.2	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Chloroform	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Chloromethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Cyclohexane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.2	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,2-Dibromoethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,2-Dichlorobenzene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,3-Dichlorobenzene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,4-Dichlorobenzene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Dichlorodifluoromethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,1-Dichloroethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,2-Dichloroethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,1-Dichloroethene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,2-Dichloropropane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,4-Dioxane	ND		ug/kg	109	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Ethylbenzene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Freon 113	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
2-Hexanone	ND		ug/kg	14.5	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Isopropylbenzene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Methyl acetate	ND	2	ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Methyl cyclohexane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202010**
 Sample ID: **P-61**

 Date Collected: 4/9/2014 11:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	14.5	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Methylene Chloride	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Styrene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Tetrachloroethene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Toluene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,2,3-Trichlorobenzene	ND		ug/kg	7.2	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,2,4-Trichlorobenzene	ND		ug/kg	7.2	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,1,1-Trichloroethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
1,1,2-Trichloroethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Trichloroethene	14.7		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Trichlorofluoromethane	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Vinyl Chloride	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
o-Xylene	ND		ug/kg	2.9	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
mp-Xylene	ND		ug/kg	5.8	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Acenaphthylene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Acetophenone	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Anthracene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Atrazine	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Benzaldehyde	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Benzo(a)anthracene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Benzo(a)pyrene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Biphenyl	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Butylbenzylphthalate	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Caprolactam	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Carbazole	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
4-Chloroaniline	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202010**
 Sample ID: **P-61**

 Date Collected: 4/9/2014 11:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2-Chloronaphthalene	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2-Chlorophenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Chrysene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
mp-Cresol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
o-Cresol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Di-n-Butylphthalate	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Dibenzofuran	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	691	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2,4-Dichlorophenol	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Diethylphthalate	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Dimethylphthalate	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2,4-Dinitrophenol	ND		ug/kg	922	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Fluoranthene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Fluorene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Hexachlorobenzene	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Hexachlorobutadiene	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Hexachloroethane	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Isophorone	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2-Methylnaphthalene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Naphthalene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2-Nitroaniline	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
3-Nitroaniline	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
4-Nitroaniline	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Nitrobenzene	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2-Nitrophenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
4-Nitrophenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202010**
 Sample ID: **P-61**

 Date Collected: 4/9/2014 11:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Pentachlorophenol	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Phenanthrene	ND		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Phenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Pyrene	283		ug/kg	230	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1240	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	461	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Aroclor-1221	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Aroclor-1232	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Aroclor-1242	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Aroclor-1248	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Aroclor-1254	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Aroclor-1260	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Aroclor-1262	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Aroclor-1268	ND		mg/kg	0.039	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
WET CHEMISTRY									
Moisture	14.6		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	85.4		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	20.6		mg/kg	4.4	SW846 6010C	4/20/14 AAM	4/21/14 13:03	SRT	D1
Barium, Total	105		mg/kg	2.2	SW846 6010C	4/20/14 AAM	4/21/14 13:03	SRT	D1
Cadmium, Total	1.8		mg/kg	1.1	SW846 6010C	4/20/14 AAM	4/21/14 13:03	SRT	D1
Chromium, Total	51.5		mg/kg	2.2	SW846 6010C	4/20/14 AAM	4/21/14 13:03	SRT	D1
Lead, Total	452		mg/kg	4.4	SW846 6010C	4/20/14 AAM	4/21/14 13:03	SRT	D1
Mercury, Total	0.15		mg/kg	0.049	SW846 7471B	4/23/14 MNP	4/23/14 12:46	MNP	D2
Selenium, Total	ND		mg/kg	11.1	SW846 6010C	4/20/14 AAM	4/21/14 13:03	SRT	D1
Silver, Total	ND		mg/kg	1.1	SW846 6010C	4/20/14 AAM	4/21/14 13:03	SRT	D1
Surrogate Recoveries									
Dibromofluoromethane (S)	103		%	62 - 123	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Toluene-d8 (S)	108		%	59 - 131	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
Surrogate Recoveries									
2-Fluorophenol (S)	88.1		%	35 - 104	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202010
Sample ID: P-61

Date Collected: 4/9/2014 11:50 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	72.1		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
Tetrachloro-m-xylene (S)	78.4		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 07:07	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	118		%	51 - 128	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	87.5		%	41 - 110	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
2-Fluorobiphenyl (S)	93		%	45 - 105	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	104		%	56 - 124	SW846 8260B	4/9/14 DD	4/18/14 07:38	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	77.1		%	37 - 123	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Terphenyl-d14 (S)	177	1	%	38 - 113	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D
Phenol-d5 (S)	87.5		%	40 - 100	SW846 8270D	4/22/14 MMM	4/23/14 12:30	CGS	D

Vicki Forney
Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202011
Sample ID: P-62

Date Collected: 4/9/2014 12:00 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/kg	529	SW846 8260B	4/9/14 CJG	4/23/14 07:19	CJG	
Benzene	17.2		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Bromochloromethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Bromodichloromethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Bromoform	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Bromomethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
2-Butanone	89.1		ug/kg	10.6	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Carbon Disulfide	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Carbon Tetrachloride	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Chlorobenzene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Chlorodibromomethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Chloroethane	ND		ug/kg	5.3	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Chloroform	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Chloromethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Cyclohexane	5.6		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,2-Dibromoethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,2-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,3-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,4-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Dichlorodifluoromethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,1-Dichloroethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,2-Dichloroethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,1-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,2-Dichloropropane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,4-Dioxane	ND		ug/kg	79.2	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Ethylbenzene	8.8		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Freon 113	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
2-Hexanone	ND		ug/kg	10.6	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Isopropylbenzene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Methyl acetate	ND	6	ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Methyl cyclohexane	37.6		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202011

Date Collected: 4/9/2014 12:00 Matrix: Solid

Sample ID: P-62

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	10.6	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Methylene Chloride	5.8	5	ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Styrene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Tetrachloroethene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Toluene	3.7		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,1,1-Trichloroethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
1,1,2-Trichloroethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Trichloroethene	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Trichlorofluoromethane	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
Vinyl Chloride	ND		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
o-Xylene	15.4		ug/kg	2.1	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
mp-Xylene	31.1		ug/kg	4.2	SW846 8260B	4/9/14 DD	4/18/14 08:01	DD	B
SEMIVOLATILES									
Acenaphthene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Acenaphthylene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Acetophenone	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Anthracene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Atrazine	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Benzaldehyde	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Benzo(a)anthracene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Benzo(a)pyrene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Biphenyl	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Butylbenzylphthalate	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Caprolactam	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Carbazole	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
4-Chloroaniline	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202011**
 Sample ID: **P-62**

 Date Collected: 4/9/2014 12:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2-Chloronaphthalene	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2-Chlorophenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Chrysene	394		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
mp-Cresol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
o-Cresol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Di-n-Butylphthalate	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Dibenzofuran	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	703	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2,4-Dichlorophenol	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Diethylphthalate	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Dimethylphthalate	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2,4-Dinitrophenol	ND		ug/kg	938	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Fluoranthene	528		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Fluorene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Hexachlorobenzene	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Hexachlorobutadiene	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Hexachloroethane	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Isophorone	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2-Methylnaphthalene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Naphthalene	ND		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2-Nitroaniline	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
3-Nitroaniline	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
4-Nitroaniline	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Nitrobenzene	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2-Nitrophenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
4-Nitrophenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202011**
 Sample ID: **P-62**

 Date Collected: 4/9/2014 12:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Pentachlorophenol	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Phenanthrene	365		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Phenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
Pyrene	868		ug/kg	234	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1270	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	469	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
Aroclor-1260	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	4/21/14 JJP	4/22/14 05:38	EGO	D
WET CHEMISTRY									
Moisture	16.9		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	83.1		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	17.8		mg/kg	4.7	SW846 6010C	4/20/14 AAM	4/21/14 13:07	SRT	D1
Barium, Total	62.4		mg/kg	2.4	SW846 6010C	4/20/14 AAM	4/21/14 13:07	SRT	D1
Cadmium, Total	ND		mg/kg	1.2	SW846 6010C	4/20/14 AAM	4/21/14 13:07	SRT	D1
Chromium, Total	45.7		mg/kg	2.4	SW846 6010C	4/20/14 AAM	4/21/14 13:07	SRT	D1
Lead, Total	100		mg/kg	4.7	SW846 6010C	4/20/14 AAM	4/21/14 13:07	SRT	D1
Mercury, Total	0.077		mg/kg	0.055	SW846 7471B	4/23/14 MNP	4/23/14 12:47	MNP	D2
Selenium, Total	ND		mg/kg	11.8	SW846 6010C	4/20/14 AAM	4/21/14 13:07	SRT	D1
Silver, Total	ND		mg/kg	1.2	SW846 6010C	4/20/14 AAM	4/21/14 13:07	SRT	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorophenol (S)	66.3		%	35 - 104	SW846 8270D	4/22/14 MMM	4/23/14 13:34	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	69.6		%	42 - 143	SW846 8260B	4/9/14 CJG	4/23/14 07:19	CJG	

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202011
Sample ID: P-62

Date Collected: 4/9/2014 12:00 Matrix: Solid
Date Received: 4/10/2014 21:40

Table with columns: Parameters, Results, Flag, Units, RDL, Method, Prepared By, Analyzed, By, Cntr. Rows include various chemical compounds like Decachlorobiphenyl, Toluene-d8, 2-Fluorobiphenyl, etc.

Vicki Forney
Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202012**
 Sample ID: **P-63**

 Date Collected: 4/9/2014 12:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	149		ug/kg	13.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Benzene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Bromochloromethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Bromodichloromethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Bromoform	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Bromomethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
2-Butanone	29.8		ug/kg	13.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Carbon Disulfide	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Carbon Tetrachloride	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Chlorobenzene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Chlorodibromomethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Chloroethane	ND		ug/kg	6.9	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Chloroform	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Chloromethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Cyclohexane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,2-Dibromoethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,2-Dichlorobenzene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,3-Dichlorobenzene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,4-Dichlorobenzene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Dichlorodifluoromethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,1-Dichloroethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,2-Dichloroethane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,1-Dichloroethene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,2-Dichloropropane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,4-Dioxane	ND		ug/kg	104	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Ethylbenzene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Freon 113	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
2-Hexanone	ND		ug/kg	13.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Isopropylbenzene	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Methyl acetate	ND	1	ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
Methyl cyclohexane	ND		ug/kg	2.8	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202012
Sample ID: P-63

Date Collected: 4/9/2014 12:30 Matrix: Solid
Date Received: 4/10/2014 21:40

Table with 11 columns: Parameters, Results, Flag, Units, RDL, Method, Prepared By, Analyzed, By, Cntr. Rows include Methyl t-Butyl Ether, 4-Methyl-2-Pentanone(MIBK), Methylene Chloride, Styrene, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Toluene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, Trichlorofluoromethane, Vinyl Chloride, o-Xylene, mp-Xylene, SEMIVOLATILES, Acenaphthene, Acenaphthylene, Acetophenone, Anthracene, Atrazine, Benzaldehyde, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Biphenyl, 4-Bromophenyl-phenylether, Butylbenzylphthalate, Caprolactam, Carbazole, 4-Chloro-3-methylphenol, 4-Chloroaniline, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether.

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202012**
 Sample ID: **P-63**

 Date Collected: 4/9/2014 12:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2-Chloronaphthalene	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2-Chlorophenol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Chrysene	1670		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
mp-Cresol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
o-Cresol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Di-n-Butylphthalate	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Dibenzofuran	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	754	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,4-Dichlorophenol	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Diethylphthalate	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Dimethylphthalate	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,4-Dinitrophenol	ND		ug/kg	1010	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Fluoranthene	4010		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Fluorene	ND		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Hexachlorobenzene	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Hexachlorobutadiene	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Hexachloroethane	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Indeno(1,2,3-cd)pyrene	573		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Isophorone	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2-Methylnaphthalene	ND		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Naphthalene	ND		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2-Nitroaniline	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
3-Nitroaniline	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
4-Nitroaniline	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Nitrobenzene	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2-Nitrophenol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
4-Nitrophenol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202012**
 Sample ID: **P-63**

 Date Collected: 4/9/2014 12:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Pentachlorophenol	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Phenanthrene	629		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Phenol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Pyrene	2820		ug/kg	251	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1360	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	503	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
Aroclor-1221	ND		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
Aroclor-1232	ND		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
Aroclor-1242	ND		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
Aroclor-1248	ND		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
Aroclor-1254	ND		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
Aroclor-1260	0.15		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
Aroclor-1262	ND		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
Aroclor-1268	ND		mg/kg	0.042	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
WET CHEMISTRY									
Moisture	22.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	78.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	29.8		mg/kg	4.7	SW846 6010C	4/20/14 AAM	4/21/14 13:11	SRT	D1
Barium, Total	132		mg/kg	2.3	SW846 6010C	4/20/14 AAM	4/21/14 13:11	SRT	D1
Cadmium, Total	1.4		mg/kg	1.2	SW846 6010C	4/20/14 AAM	4/21/14 13:11	SRT	D1
Chromium, Total	33.7		mg/kg	2.3	SW846 6010C	4/20/14 AAM	4/21/14 13:11	SRT	D1
Lead, Total	281		mg/kg	4.7	SW846 6010C	4/20/14 AAM	4/21/14 13:11	SRT	D1
Mercury, Total	0.077		mg/kg	0.064	SW846 7471B	4/23/14 MNP	4/23/14 12:50	MNP	D2
Selenium, Total	ND		mg/kg	11.7	SW846 6010C	4/20/14 AAM	4/21/14 13:11	SRT	D1
Silver, Total	ND		mg/kg	1.2	SW846 6010C	4/20/14 AAM	4/21/14 13:11	SRT	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	114		%	51 - 128	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	70.9		%	41 - 110	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
Terphenyl-d14 (S)	83.9		%	38 - 113	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202012
Sample ID: P-63

Date Collected: 4/9/2014 12:30 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	61.7		%	46 - 120	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Toluene-d8 (S)	101		%	59 - 131	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
1,2-Dichloroethane-d4 (S)	96.3		%	56 - 124	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	71		%	52 - 115	SW846 8082A	4/21/14 JJP	4/22/14 05:56	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	93.7		%	62 - 123	SW846 8260B	4/9/14 DD	4/18/14 08:24	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Phenol-d5 (S)	74.9		%	40 - 100	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2-Fluorophenol (S)	73.4		%	35 - 104	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2-Fluorobiphenyl (S)	82.3		%	45 - 105	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D
2,4,6-Tribromophenol (S)	69.9		%	37 - 123	SW846 8270D	4/22/14 MMM	4/25/14 12:25	CGS	D

Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202013
Sample ID: P-64

Date Collected: 4/9/2014 12:50 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	33.0		ug/kg	11.0	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Benzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Bromoform	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Bromomethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
2-Butanone	ND		ug/kg	11.0	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Carbon Disulfide	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Chloroethane	ND		ug/kg	5.5	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Chloroform	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Chloromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Cyclohexane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,4-Dioxane	ND		ug/kg	82.6	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Freon 113	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
2-Hexanone	ND		ug/kg	11.0	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Methyl acetate	ND	1	ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Methyl cyclohexane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202013**
 Sample ID: **P-64**

 Date Collected: 4/9/2014 12:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.0	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Methylene Chloride	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Styrene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Tetrachloroethene	15.0		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Toluene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,1,1-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
1,1,2-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Trichloroethene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Vinyl Chloride	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
o-Xylene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
mp-Xylene	ND		ug/kg	4.4	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
SEMIVOLATILES									
Acenaphthene	4770		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Acenaphthylene	ND		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Acetophenone	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Anthracene	12500		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Atrazine	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Benzaldehyde	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Benzo(a)anthracene	76300		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Benzo(a)pyrene	75600		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Benzo(b)fluoranthene	113000		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Benzo(g,h,i)perylene	47200		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Benzo(k)fluoranthene	38100		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Biphenyl	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Butylbenzylphthalate	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Caprolactam	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Carbazole	11500		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
4-Chloroaniline	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202013**
 Sample ID: **P-64**

 Date Collected: 4/9/2014 12:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2-Chloronaphthalene	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2-Chlorophenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Chrysene	89900		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
mp-Cresol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
o-Cresol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Di-n-Butylphthalate	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Di-n-Octylphthalate	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Dibenzo(a,h)anthracene	14900		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Dibenzofuran	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	8400	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,4-Dichlorophenol	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Diethylphthalate	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,4-Dimethylphenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Dimethylphthalate	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,4-Dinitrophenol	ND		ug/kg	11200	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Fluoranthene	180000		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Fluorene	5170		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Hexachlorobenzene	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Hexachlorobutadiene	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Hexachloroethane	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Indeno(1,2,3-cd)pyrene	55700		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Isophorone	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2-Methylnaphthalene	ND		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Naphthalene	ND		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2-Nitroaniline	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
3-Nitroaniline	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
4-Nitroaniline	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Nitrobenzene	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2-Nitrophenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
4-Nitrophenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202013**
Sample ID: **P-64**

Date Collected: 4/9/2014 12:50 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Pentachlorophenol	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Phenanthrene	100000		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Phenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
Pyrene	145000		ug/kg	2800	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	15100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	5600	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
Aroclor-1260	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
WET CHEMISTRY									
Moisture	11.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	89.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	14.6		mg/kg	11.0	SW846 6010C	4/24/14 AAM	4/25/14 12:54	SRT	D2
Barium, Total	604		mg/kg	5.5	SW846 6010C	4/24/14 AAM	4/25/14 12:54	SRT	D2
Cadmium, Total	3.3		mg/kg	2.8	SW846 6010C	4/24/14 AAM	4/25/14 12:54	SRT	D2
Chromium, Total	11.0		mg/kg	5.5	SW846 6010C	4/24/14 AAM	4/25/14 12:54	SRT	D2
Lead, Total	307		mg/kg	11.0	SW846 6010C	4/24/14 AAM	4/25/14 12:54	SRT	D2
Mercury, Total	0.088		mg/kg	0.053	SW846 7471B	4/23/14 MNP	4/23/14 12:51	MNP	D1
Selenium, Total	ND		mg/kg	27.5	SW846 6010C	4/24/14 AAM	4/25/14 12:54	SRT	D2
Silver, Total	ND		mg/kg	2.8	SW846 6010C	4/24/14 AAM	4/25/14 12:54	SRT	D2
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Terphenyl-d14 (S)	135		%	38 - 113	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2,4,6-Tribromophenol (S)	96.6		%	37 - 123	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	84.5		%	46 - 120	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202013**
 Sample ID: **P-64**

 Date Collected: 4/9/2014 12:50 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	89.9		%	41 - 110	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	110		%	56 - 124	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	88		%	52 - 115	SW846 8082A	4/22/14 JJP	4/22/14 15:43	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Phenol-d5 (S)	95.4		%	40 - 100	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Dibromofluoromethane (S)	102		%	62 - 123	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
Toluene-d8 (S)	106		%	59 - 131	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
4-Bromofluorobenzene (S)	114		%	51 - 128	SW846 8260B	4/9/14 DD	4/18/14 08:47	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorophenol (S)	96.1		%	35 - 104	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D
2-Fluorobiphenyl (S)	114		%	45 - 105	SW846 8270D	4/22/14 MMM	4/28/14 21:42	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202014**
 Sample ID: **P-65**

 Date Collected: 4/9/2014 13:30 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
PCBs									
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Aroclor-1260	0.45		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
WET CHEMISTRY									
Moisture	14.9		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	85.1		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	102		%	52 - 115	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A
Decachlorobiphenyl (S)	98.7		%	46 - 120	SW846 8082A	4/22/14 JJP	4/22/14 16:00	EGO	A



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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202015**
Sample ID: **P-66**

Date Collected: 4/9/2014 13:30 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
PCBs									
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Aroclor-1260	1.5		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
WET CHEMISTRY									
Moisture	10.8		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	89.2		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	103		%	46 - 120	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A
Tetrachloro-m-xylene (S)	92.2		%	52 - 115	SW846 8082A	4/22/14 JJP	4/22/14 16:18	EGO	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

 Lab ID: **2001202016**
 Sample ID: **F-DUP [P-64]**

 Date Collected: 4/9/2014 13:00 Matrix: Solid
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	48.6		ug/kg	10.9	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Benzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Bromoform	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Bromomethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
2-Butanone	19.8		ug/kg	10.9	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Carbon Disulfide	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Chloroethane	ND		ug/kg	5.5	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Chloroform	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Chloromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Cyclohexane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,4-Dioxane	ND		ug/kg	82.1	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Freon 113	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
2-Hexanone	ND		ug/kg	10.9	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Methyl acetate	ND	1	ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Methyl cyclohexane	ND		ug/kg	2.2	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202016
Sample ID: F-DUP [P-64]

Date Collected: 4/9/2014 13:00 Matrix: Solid
Date Received: 4/10/2014 21:40

Table with 11 columns: Parameters, Results, Flag, Units, RDL, Method, Prepared By, Analyzed, By, Cntr. Rows include various chemical compounds like Methyl t-Butyl Ether, 4-Methyl-2-Pentanone(MIBK), Methylene Chloride, Styrene, 1,1,2,2-Tetrachloroethane, Tetrachloroethene, Toluene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, Trichloroethene, Trichlorofluoromethane, Vinyl Chloride, o-Xylene, mp-Xylene, SEMIVOLATILES, Acenaphthene, Acenaphthylene, Acetophenone, Anthracene, Atrazine, Benzaldehyde, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Biphenyl, 4-Bromophenyl-phenylether, Butylbenzylphthalate, Caprolactam, Carbazole, 4-Chloro-3-methylphenol, 4-Chloroaniline, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether.

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202016**
Sample ID: **F-DUP [P-64]**

Date Collected: 4/9/2014 13:00 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2-Chloronaphthalene	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2-Chlorophenol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Chrysene	641		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
mp-Cresol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
o-Cresol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Di-n-Butylphthalate	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Di-n-Octylphthalate	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Dibenzo(a,h)anthracene	104		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Dibenzofuran	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	163	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2,4-Dichlorophenol	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Diethylphthalate	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2,4-Dimethylphenol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Dimethylphthalate	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2,4-Dinitrophenol	ND		ug/kg	217	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Fluoranthene	771		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Fluorene	ND		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Hexachlorobenzene	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Hexachlorobutadiene	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Hexachloroethane	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Indeno(1,2,3-cd)pyrene	294		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Isophorone	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2-Methylnaphthalene	ND		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Naphthalene	ND		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2-Nitroaniline	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
3-Nitroaniline	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
4-Nitroaniline	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Nitrobenzene	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2-Nitrophenol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
4-Nitrophenol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202016**
Sample ID: **F-DUP [P-64]**

Date Collected: 4/9/2014 13:00 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
N-Nitrosodiphenylamine	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Pentachlorophenol	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Phenanthrene	314		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Phenol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Pyrene	620		ug/kg	54.3	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	293	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	109	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
PCBs									
Aroclor-1016	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
Aroclor-1221	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
Aroclor-1232	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
Aroclor-1242	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
Aroclor-1248	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
Aroclor-1254	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
Aroclor-1260	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
Aroclor-1262	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
Aroclor-1268	ND		mg/kg	0.036	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
WET CHEMISTRY									
Moisture	8.3		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	91.7		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Arsenic, Total	7.7		mg/kg	4.4	SW846 6010C	4/24/14 AAM	4/25/14 10:07	SRT	D2
Barium, Total	144		mg/kg	2.2	SW846 6010C	4/24/14 AAM	4/25/14 10:07	SRT	D2
Cadmium, Total	ND		mg/kg	1.1	SW846 6010C	4/24/14 AAM	4/25/14 10:07	SRT	D2
Chromium, Total	15.8		mg/kg	2.2	SW846 6010C	4/24/14 AAM	4/25/14 10:07	SRT	D2
Lead, Total	237		mg/kg	4.4	SW846 6010C	4/24/14 AAM	4/25/14 10:07	SRT	D2
Mercury, Total	0.095		mg/kg	0.045	SW846 7471B	4/23/14 MNP	4/23/14 12:52	MNP	D1
Selenium, Total	ND		mg/kg	10.9	SW846 6010C	4/24/14 AAM	4/25/14 10:07	SRT	D2
Silver, Total	ND		mg/kg	1.1	SW846 6010C	4/24/14 AAM	4/25/14 10:07	SRT	D2
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	69.7		%	37 - 123	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2-Fluorophenol (S)	67.4		%	35 - 104	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
Terphenyl-d14 (S)	81		%	38 - 113	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202016**
Sample ID: **F-DUP [P-64]**

Date Collected: 4/9/2014 13:00 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Decachlorobiphenyl (S)	97.8		%	46 - 120	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	119		%	51 - 128	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
Dibromofluoromethane (S)	102		%	62 - 123	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Phenol-d5 (S)	69.7		%	40 - 100	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Toluene-d8 (S)	104		%	59 - 131	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
1,2-Dichloroethane-d4 (S)	107		%	56 - 124	SW846 8260B	4/9/14 DD	4/18/14 09:10	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	77		%	41 - 110	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
2-Fluorobiphenyl (S)	80.4		%	45 - 105	SW846 8270D	4/22/14 MMM	4/23/14 08:44	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	101		%	52 - 115	SW846 8082A	4/22/14 JJP	4/22/14 16:35	EGO	D


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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: 2001202017
Sample ID: F-DUP 2 [P-55]

Date Collected: 4/9/2014 09:10 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
PCBs									
Aroclor-1016	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Aroclor-1221	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Aroclor-1232	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Aroclor-1242	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Aroclor-1248	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Aroclor-1254	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Aroclor-1260	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Aroclor-1262	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Aroclor-1268	ND		mg/kg	0.040	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
WET CHEMISTRY									
Moisture	17.9		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	82.1		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	85.6		%	52 - 115	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A
Decachlorobiphenyl (S)	81		%	46 - 120	SW846 8082A	4/22/14 JJP	4/22/14 16:53	EGO	A

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202018**
Sample ID: **P-6A**

Date Collected: 4/9/2014 10:40 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY									
Moisture	6.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	94.0		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Lead, Total	10800		mg/kg	4.3	SW846 6010C	4/24/14 AAM	4/25/14 10:11	SRT	A1


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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202019**
Sample ID: **P-6B**

Date Collected: 4/9/2014 10:45 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY									
Moisture	5.2		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	94.8		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Lead, Total	3220		mg/kg	3.8	SW846 6010C	4/24/14 AAM	4/25/14 10:15	SRT	A1

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202020**
Sample ID: **P-6C**

Date Collected: 4/9/2014 10:45 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
WET CHEMISTRY									
Moisture	4.6		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	95.4		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
METALS									
Lead, Total	1280		mg/kg	4.2	SW846 6010C	4/24/14 AAM	4/25/14 10:35	SRT	A1

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

Lab ID: **2001202021**
Sample ID: **P-6D**

Date Collected: 4/9/2014 10:50 Matrix: Solid
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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WET CHEMISTRY

Moisture	3.9		%	0.1	S2540G-97		4/16/14 13:13	RMR	A
Total Solids	96.1		%	0.1	S2540G-97		4/16/14 13:13	RMR	A

METALS

Lead, Total	2690		mg/kg	3.8	SW846 6010C	4/24/14 AAM	4/25/14 10:39	SRT	A1
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PARAMETER QUALIFIERS

#	Lab ID	Sample ID	Analytical Method	Analyte
1	2001202001	P-52	SW846 8270D	Terphenyl-d14
The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 166 and the control limits were 38 to 113. This result was reported at a dilution of 1.				
2	2001202004	P-55	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 180 and the control limits were 51 to 128. This result was reported at a dilution of 1.				
3	2001202004	P-55	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 198 and the control limits were 51 to 128. This result was reported at a dilution of 1.				
4	2001202004	P-55	SW846 8260B	Toluene-d8
The surrogate Toluene-d8 for method SW846 8260B was outside of control limits. The % Recovery was reported as 158 and the control limits were 59 to 131. This result was reported at a dilution of 1.				
5	2001202005	P-56	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 58.8 and the control limits were 70 to 130.				
6	2001202005	P-56	SW846 8260B	Methylene Chloride
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 164 and the control limits were 68 to 133.				
7	2001202006	P-57	SW846 8260B	2-Butanone
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 2-Butanone. The % Recovery was reported as 38.3 and the control limits were 51 to 151.				
8	2001202006	P-57	SW846 8260B	2-Hexanone
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 2-Hexanone. The % Recovery was reported as 63.2 and the control limits were 66 to 133.				
9	2001202006	P-57	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 0 and the control limits were 70 to 130.				
10	2001202006	P-57	SW846 8260B	Methyl cyclohexane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl cyclohexane. The % Recovery was reported as 132 and the control limits were 70 to 130.				
11	2001202007	P-58	SW846 8260B	1,2-Dichloroethane-d4
The surrogate 1,2-Dichloroethane-d4 for method SW846 8260B was outside of control limits. The % Recovery was reported as 156 and the control limits were 71 to 146. This result was reported at a dilution of 50.				
12	2001202007	P-58	SW846 8260B	2-Butanone
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 2-Butanone. The % Recovery was reported as 38.3 and the control limits were 51 to 151.				
13	2001202007	P-58	SW846 8260B	2-Hexanone
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 2-Hexanone. The % Recovery was reported as 63.2 and the control limits were 66 to 133.				
14	2001202007	P-58	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 0 and the control limits were 70 to 130.				
15	2001202007	P-58	SW846 8260B	Methyl cyclohexane
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl cyclohexane. The % Recovery was reported as 132 and the control limits were 70 to 130.				
16	2001202007	P-58	SW846 8260B	Toluene-d8
The surrogate Toluene-d8 for method SW846 8260B was outside of control limits. The % Recovery was reported as 149 and the control limits were 54 to 141. This result was reported at a dilution of 50.				

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

17	2001202007	P-58	SW846 8270D	Nitrobenzene-d5
The surrogate Nitrobenzene-d5 for method SW846 8270D was outside of control limits. The % Recovery was reported as 38.6 and the control limits were 41 to 110. This result was reported at a dilution of 4.				
18	2001202008	P-59	SW846 8260B	1,2-Dichloroethane-d4
The surrogate 1,2-Dichloroethane-d4 for method SW846 8260B was outside of control limits. The % Recovery was reported as 554 and the control limits were 71 to 146. This result was reported at a dilution of 20000.				
19	2001202008	P-59	SW846 8260B	2-Butanone
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 2-Butanone. The % Recovery was reported as 38.3 and the control limits were 51 to 151.				
20	2001202008	P-59	SW846 8260B	2-Hexanone
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 2-Hexanone. The % Recovery was reported as 63.2 and the control limits were 66 to 133.				
21	2001202008	P-59	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 222 and the control limits were 46 to 138. This result was reported at a dilution of 20000.				
22	2001202008	P-59	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 0 and the control limits were 70 to 130.				
23	2001202008	P-59	SW846 8270D	Nitrobenzene-d5
The surrogate Nitrobenzene-d5 for method SW846 8270D was outside of control limits. The % Recovery was reported as 212 and the control limits were 41 to 110. This result was reported at a dilution of 1.				
24	2001202009	P-60	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 58.8 and the control limits were 70 to 130.				
25	2001202010	P-61	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 58.8 and the control limits were 70 to 130.				
26	2001202010	P-61	SW846 8270D	Terphenyl-d14
The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 177 and the control limits were 38 to 113. This result was reported at a dilution of 4.				
27	2001202011	P-62	SW846 8082A	Tetrachloro-m-xylene
The surrogate Tetrachloro-m-xylene for method SW846 8082A was outside of control limits. The % Recovery was reported as 48.9 and the control limits were 52 to 115. This result was reported at a dilution of 1.				
28	2001202011	P-62	SW846 8260B	1,2-Dichloroethane-d4
The surrogate 1,2-Dichloroethane-d4 for method SW846 8260B was outside of control limits. The % Recovery was reported as 131 and the control limits were 56 to 124. This result was reported at a dilution of 1.				
29	2001202011	P-62	SW846 8260B	4-Bromofluorobenzene
The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 198 and the control limits were 51 to 128. This result was reported at a dilution of 1.				
30	2001202011	P-62	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 58.8 and the control limits were 70 to 130.				
31	2001202011	P-62	SW846 8260B	Methylene Chloride
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 164 and the control limits were 68 to 133.				

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ANALYTICAL RESULTS

Workorder: 2001202 AMW

32	2001202011	P-62	SW846 8270D	Terphenyl-d14
The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 133 and the control limits were 38 to 113. This result was reported at a dilution of 4.				
33	2001202012	P-63	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 58.8 and the control limits were 70 to 130.				
34	2001202013	P-64	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 58.8 and the control limits were 70 to 130.				
35	2001202016	F-DUP [P-64]	SW846 8260B	Methyl acetate
The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 58.8 and the control limits were 70 to 130.				

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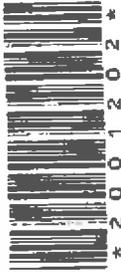


34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHaded AREAS MUST BE COMPLETED BY THE CLIENT
SAMPLER INSTRUCTIONS ON THE BACK

Page 1 of 3
Carrier: _____
Tracking #: _____



Co. Name: EarthRes
Contact (report to): Scott Campbell
Address: PO Box 468
Pipersville, PA 18947

Phone: (215)-764-1211

Bill to (if different than Report to):

PO#:

Project Name#: AMW
ALS Quote #:

TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.

Email? Y N Email: scampbell@earthres.com
Fax? Y N Fax No.:

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	Enter Number of Containers Per Analysis
1 P-52		4/9/14	845	1 3 1
2 P-53		4/9/14	850	1 3 1
3 P-54		4/9/14	900	1 3 1
4 P-55		4/9/14	910	1 3 1
5 P-56		4/9/14	915	1 3 1
6 P-57		4/9/14	1000	1 3 1
7 P-58		4/9/14	1030	1 3 1
8 P-59		4/9/14	1130	1 3 1

SAMPLED BY (Please Print):

Ryan Connellan

Project Comments:

4/16/14 518

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Ryan Connellan	4/9/14	1600	2 Christopher	4-10-14	1142
3 Christopher	4/10/14		4 Ryan	4/10/14	1915
5 Ryan	4/10/14	2140	6 Ryan	4/10/14	2140
7 Ryan			8 Ryan		
9 Ryan			10 Ryan		

Container Type	AG	CG	AG	AG	AG
**Container Seal	-	40ml	-	-	-
Preservative	-	Sodium Borate	-	-	-

ANALYSES/METHOD REQUESTED

Matrix	Matrix	Matrix	Matrix
VOCs	VOCs	PCB	Fuel Oil H2S4
		PCB Metals PCB, BVA	
		Scans - Volatiles	

Received by: [Signature]
Cooler Temp: _____
Therm. ID: 29
No. of Coolers: _____
Notes: _____

Correct containers?	Correct sample volume?	Received on ice?	COC Labels complete/accurate?	Container in good condition?
Y	Y	Y	Y	Y
N	N	N	N	N
N	N	N	N	N

ALS FIELD SERVICES
<input type="checkbox"/> Pickup <input type="checkbox"/> Labor <input type="checkbox"/> Composite Sampling <input type="checkbox"/> Rental Equipment <input type="checkbox"/> Other: _____

State Samples Collected by?
<input type="checkbox"/> MD <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> PA <input type="checkbox"/> Other: _____

Matrix: Air/Air; DW=Drinking Water; GW=Groundwater; Ch/Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
 Container Type: AG=Amber Glass; CG=Clear Glass; PL=Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.



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**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

Page 3 of 3
Courier:
Tracking #:

2001202

Co. Name: **EnviroRES**
Contact (Report to): **Scott Campbell**
Address: **PO Box 468
Pipersville, PA 18947**
Phone: **(215) 266-1211**

Bill to (if different than Report to):
Project Name/#: **Amw** ALS Quote #:
TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
Approved By:
Email? Y N **scampbell@envirores.com**
Fax? Y N

Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
11 F-DUP 2 (P-55)		4/19/14	910
12 P-6A		4/19/14	1040
13 P-6B		4/19/14	1045
20 P-6C		4/19/14	1045
21 P-6D		4/19/14	1050
4/19/14			
8			

Project Comments: **See 4-11-14 2015**

SAMPLED BY (Please Print)	Date	Time	Received By / Company Name	Date	Time
Ryan Connella	4/19/14	1400	2 Shirley Kuylen	4/19/14	1412
Shirley Kuylen	4/19/14		4 Shirley Kuylen	4/19/14	1945
			6 Shirley Kuylen	4/19/14	2140
			8		
			10		

Container Type		Matrix		Enter Number of Containers Per Analysis	
AG	AG	G	SO	1	
		G	SO	1	
		G	SO	1	
		G	SO	1	
		G	SO	1	

ANALYSIS METHOD REQUESTED

Receipt Information (Completed by Sampler):
Performed by: **RAE**
Cooler Temp: **1**
Therm. ID: **291**
No. of Coolers:
Notes:

Correct containers?	Y	N
(If present) Seals intact?	Y	N
Received on ice?	Y	N
COC/Labels complete/accurate?	Y	N
Headspace/Voliles?	Y	N
Container in good condition?	Y	N

ALS FIELD SERVICES:
 Pickup
 Labor
 Composite Sampling
 Rental Equipment
 Other:

EDS Required? Yes No Other: **None**

SDWA Forwarded? Standard CLP-Bio NJ-Reduced NJ-Full

State Sample Collected In? MD NJ NY PA

DOD Criteria Required? Yes No

*G-Grab; C-Composite
 **Matrix: AL-Air; DW-Drinking Water; GW-Groundwater; OL-Oil; OL-Other Liquid; SL-Sludge; SO-Soil; WP-Wipe; WW-Wastewater
 ***Container Type: AG-Amber Glass; CG-Clear Glass; PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

April 24, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 2001086
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell:

Enclosed are the analytical results for samples received by the laboratory on Thursday, April 10, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Vicki A. Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Mrs. Vicki A. Forney
Project Coordinator

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SAMPLE SUMMARY

Workorder 2001086 AMW

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2001086001	F-Blank 1	Water	4/9/2014 13:15	4/10/2014 21:40	Collected by Client
2001086002	F-Blank 2	Ground Water	4/9/2014 13:50	4/10/2014 21:40	Collected by Client

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder 2001086 AMW

 Lab ID: **2001086001**
 Sample ID: **F-Blank 1**

 Date Collected: 4/9/2014 13:15 Matrix: Water
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Total Polychlorinated Biphenyl	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
VOLATILE ORGANICS									
Acetone	10.1		ug/L	10.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Benzene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Bromoform	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Bromomethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
2-Butanone	ND		ug/L	10.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Chloroethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Chloroform	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Chloromethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Freon 113	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A

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ANALYTICAL RESULTS

Workorder 2001086 AMW

 Lab ID: **2001086001**
 Sample ID: **F-Blank 1**

 Date Collected: 4/9/2014 13:15 Matrix: Water
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Styrene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
o-Xylene	ND		ug/L	1.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
SEMIVOLATILES									
Acenaphthene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Acenaphthylene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Acetophenone	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Anthracene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Atrazine	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Benzaldehyde	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Benzo(a)anthracene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Benzo(a)pyrene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Benzo(b)fluoranthene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Benzo(g,h,i)perylene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Benzo(k)fluoranthene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Biphenyl	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
4-Bromophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Butylbenzylphthalate	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Caprolactam	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Carbazole	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
4-Chloro-3-methylphenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C

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ANALYTICAL RESULTS

Workorder 2001086 AMW

Lab ID: **2001086001**

Date Collected: 4/9/2014 13:15 Matrix: Water

Sample ID: **F-Blank 1**

Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
4-Chloroaniline	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
bis(2-Chloroethoxy)methane	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
bis(2-Chloroethyl)ether	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
bis(2-Chloroisopropyl)ether	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2-Chloronaphthalene	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2-Chlorophenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
4-Chlorophenyl-phenylether	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Chrysene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
mp-Cresol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
o-Cresol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Di-n-Butylphthalate	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Di-n-Octylphthalate	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Dibenzo(a,h)anthracene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Dibenzofuran	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
3,3-Dichlorobenzidine	ND		ug/L	15.7	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,4-Dichlorophenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Diethylphthalate	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,4-Dimethylphenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Dimethylphthalate	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,4-Dinitrophenol	ND		ug/L	15.7	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,4-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,6-Dinitrotoluene	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Fluoranthene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Fluorene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Hexachlorobenzene	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Hexachlorobutadiene	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Hexachlorocyclopentadiene	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Hexachloroethane	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Isophorone	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2-Methylnaphthalene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Naphthalene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2-Nitroaniline	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
3-Nitroaniline	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
4-Nitroaniline	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Nitrobenzene	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C

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ANALYTICAL RESULTS

Workorder 2001086 AMW

 Lab ID: **2001086001**
 Sample ID: **F-Blank 1**

 Date Collected: 4/9/2014 13:15 Matrix: Water
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
2-Nitrophenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
4-Nitrophenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
N-Nitrosodiphenylamine	ND		ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Pentachlorophenol	ND	2	ug/L	15.7	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Phenanthrene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Phenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Pyrene	ND		ug/L	1.5	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
1,2,4,5-Tetrachlorobenzene	ND	1	ug/L	2.9	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,4,5-Trichlorophenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,4,6-Trichlorophenol	ND		ug/L	7.8	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
PCBs									
Aroclor-1016	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
Aroclor-1221	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
Aroclor-1232	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
Aroclor-1242	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
Aroclor-1248	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
Aroclor-1254	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
Aroclor-1260	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
Aroclor-1262	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
Aroclor-1268	ND		ug/L	0.50	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
METALS									
Arsenic, Total	ND		mg/L	0.0090	SW846 6010C	4/23/14 ZMC	4/23/14 19:01	SRT	G2
Barium, Total	ND		mg/L	0.011	SW846 6010C	4/23/14 ZMC	4/23/14 19:01	SRT	G2
Cadmium, Total	ND		mg/L	0.0022	SW846 6010C	4/23/14 ZMC	4/23/14 19:01	SRT	G2
Chromium, Total	ND		mg/L	0.0056	SW846 6010C	4/23/14 ZMC	4/23/14 19:01	SRT	G2
Lead, Total	ND		mg/L	0.0067	SW846 6010C	4/23/14 ZMC	4/23/14 19:01	SRT	G2
Mercury, Total	ND		mg/L	0.00050	SW846 7470A	4/22/14 MNP	4/22/14 16:34	MNP	G1
Selenium, Total	ND		mg/L	0.022	SW846 6010C	4/23/14 ZMC	4/23/14 19:01	SRT	G2
Silver, Total	ND		mg/L	0.0044	SW846 6010C	4/23/14 ZMC	4/23/14 19:01	SRT	G2
Surrogate Recoveries									
	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Nitrobenzene-d5 (S)	84.5		%	40 - 110	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2-Fluorobiphenyl (S)	83.8		%	50 - 110	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Surrogate Recoveries									
	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Toluene-d8 (S)	97.2		%	76 - 127	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A

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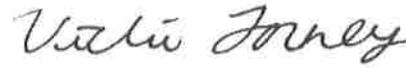
ANALYTICAL RESULTS

Workorder 2001086 AMW

Lab ID: **2001086001**
Sample ID: **F-Blank 1**

Date Collected: 4/9/2014 13:15 Matrix: Water
Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Tetrachloro-m-xylene (S)	73.9		%	36 - 112	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2-Fluorophenol (S)	54.4		%	20 - 75	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
Terphenyl-d14 (S)	87.8		%	50 - 122	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
2,4,6-Tribromophenol (S)	75.7		%	40 - 125	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
4-Bromofluorobenzene (S)	99.8		%	79 - 114	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Phenol-d5 (S)	34.7		%	13 - 49	SW846 8270D	4/16/14 LEH	4/17/14 05:28	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	93.5		%	30 - 150	SW846 8082A	4/16/14 BS	4/17/14 23:14	EGO	E
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	129		%	62 - 133	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A
Dibromofluoromethane (S)	97.8		%	78 - 116	SW846 8260B	4/15/14 CJG	4/15/14 02:24	CJG	A


Mrs. Vicki A. Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder 2001086 AMW

 Lab ID: **2001086002**
 Sample ID: **F-Blank 2**

 Date Collected: 4/9/2014 13:50 Matrix: Ground Water
 Date Received: 4/10/2014 21:40

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Total Polychlorinated Biphenyl	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
PCBs									
Aroclor-1016	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Aroclor-1221	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Aroclor-1232	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Aroclor-1242	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Aroclor-1248	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Aroclor-1254	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Aroclor-1260	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Aroclor-1262	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Aroclor-1268	ND		ug/L	0.49	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	102		%	30 - 150	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	
Tetrachloro-m-xylene (S)	89.5		%	36 - 112	SW846 8082A	4/22/14 BS	4/24/14 07:41	EGO	


 Mrs. Vicki A. Forney
 Project Coordinator

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PARAMETER QUALIFIERS

#	Lab ID	Sample ID	Analytical Method	Analyte
1	2001086001	F-Blank 1	SW846 8270D	1,2,4,5-Tetrachlorobenzene
The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 1,2,4,5-Tetrachlorobenzene. The % Recovery was reported as 45.6 and the control limits were 50 to 102.				
2	2001086001	F-Blank 1	SW846 8270D	Pentachlorophenol
The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte Pentachlorophenol. The % Recovery was reported as 57.1 and the control limits were 60 to 144.				

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January 28, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 1067489
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell,

Enclosed are the analytical results for samples received by the laboratory on Wednesday, January 15, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Vicki Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.


Vicki Forney
Project Coordinator

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SAMPLE SUMMARY

Workorder: 1067489 AMW

Discard Date: 02/11/2014

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1067489001	P25-A	Solid	1/13/14 09:30	1/15/14 22:00	Customer
1067489002	P26-A	Solid	1/13/14 09:50	1/15/14 22:00	Customer
1067489003	P26-B	Solid	1/13/14 10:00	1/15/14 22:00	Customer
1067489004	P20-A	Solid	1/13/14 10:20	1/15/14 22:00	Customer
1067489005	P27-A	Solid	1/13/14 10:50	1/15/14 22:00	Customer
1067489006	P27-B	Solid	1/13/14 11:10	1/15/14 22:00	Customer
1067489007	P27-C	Solid	1/13/14 11:20	1/15/14 22:00	Customer
1067489008	P28-A	Solid	1/13/14 11:50	1/15/14 22:00	Customer
1067489009	P29-A	Solid	1/13/14 12:10	1/15/14 22:00	Customer
1067489010	P28-B	Solid	1/13/14 12:00	1/15/14 22:00	Customer
1067489011	P29-B	Solid	1/13/14 12:20	1/15/14 22:00	Customer
1067489012	P30-A	Solid	1/13/14 13:10	1/15/14 22:00	Customer
1067489013	P30-B	Solid	1/13/14 13:30	1/15/14 22:00	Customer
1067489014	P31-A	Solid	1/13/14 13:40	1/15/14 22:00	Customer
1067489015	P31-B	Solid	1/13/14 13:50	1/15/14 22:00	Customer
1067489016	P32-A	Solid	1/13/14 14:10	1/15/14 22:00	Customer
1067489017	P32-B	Solid	1/13/14 14:20	1/15/14 22:00	Customer
1067489018	P33-A	Solid	1/13/14 14:30	1/15/14 22:00	Customer
1067489019	P34-A	Solid	1/13/14 14:50	1/15/14 22:00	Customer
1067489020	DUP 3	Solid	1/13/14 15:00	1/15/14 22:00	Customer
1067489021	P35-A	Solid	1/13/14 15:10	1/15/14 22:00	Customer
1067489022	P36-A	Solid	1/13/14 15:20	1/15/14 22:00	Customer
1067489023	P37-A	Solid	1/14/14 08:50	1/15/14 22:00	Customer
1067489024	P38-A	Solid	1/14/14 09:00	1/15/14 22:00	Customer
1067489025	P39-A	Solid	1/14/14 09:20	1/15/14 22:00	Customer
1067489026	P42-A	Solid	1/14/14 10:10	1/15/14 22:00	Customer
1067489027	P47-A	Solid	1/14/14 12:20	1/15/14 22:00	Customer
1067489028	P47-B	Solid	1/14/14 12:40	1/15/14 22:00	Customer
1067489029	P48-A	Solid	1/14/14 13:30	1/15/14 22:00	Customer
1067489030	P48-B	Solid	1/14/14 13:40	1/15/14 22:00	Customer
1067489031	P49-A	Solid	1/14/14 14:00	1/15/14 22:00	Customer
1067489032	DUP 4	Solid	1/14/14 14:10	1/15/14 22:00	Customer
1067489033	P49-B	Solid	1/14/14 14:10	1/15/14 22:00	Customer

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SAMPLE SUMMARY

Workorder: 1067489 AMW

Discard Date: 02/11/2014

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1067489034	P50-A	Solid	1/14/14 14:30	1/15/14 22:00	Customer
1067489035	P50-B	Solid	1/14/14 14:40	1/15/14 22:00	Customer
1067489036	P51-A	Solid	1/14/14 15:00	1/15/14 22:00	Customer
1067489037	P51-B	Solid	1/14/14 15:10	1/15/14 22:00	Customer
1067489038	Field Blank 2	Water	1/13/14 15:50	1/15/14 22:00	Customer
1067489039	Field Blank 3	Water	1/14/14 16:00	1/15/14 22:00	Customer

Workorder Comments:

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489001**

Date Collected: 1/13/2014 09:30

Matrix: Solid

 Sample ID: **P25-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	88.6		ug/kg	12.4	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Benzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Bromochloromethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Bromodichloromethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Bromoform	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Bromomethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
2-Butanone	ND		ug/kg	12.4	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Carbon Disulfide	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Chlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Chlorodibromomethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Chloroethane	ND		ug/kg	6.2	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Chloroform	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Chloromethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Cyclohexane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,4-Dioxane	ND		ug/kg	93.4	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Ethylbenzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Freon 113	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
2-Hexanone	ND		ug/kg	12.4	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Isopropylbenzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Methyl acetate	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Methyl cyclohexane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	12.4	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Methylene Chloride	5.0		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489001**

Date Collected: 1/13/2014 09:30

Matrix: Solid

 Sample ID: **P25-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Styrene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Tetrachloroethene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Toluene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Trichloroethene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Vinyl Chloride	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
o-Xylene	ND		ug/kg	2.5	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
mp-Xylene	ND		ug/kg	5.0	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	76.4		%	56-124	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
4-Bromofluorobenzene (S)	96.8		%	51-128	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Dibromofluoromethane (S)	78.9		%	62-123	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A
Toluene-d8 (S)	83.3		%	59-131	SW846 8260B	1/15/14	CJG	1/16/14 16:27	CJG	A

WET CHEMISTRY

Moisture	18.4	%	0.1	S2540G-97		1/16/14 06:04	ECI	A
Total Solids	81.6	%	0.1	S2540G-97		1/16/14 06:04	ECI	A

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489002**

Date Collected: 1/13/2014 09:50

Matrix: Solid

 Sample ID: **P26-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	102		ug/kg	13.1	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Benzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Bromochloromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Bromodichloromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Bromoform	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Bromomethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
2-Butanone	ND		ug/kg	13.1	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Carbon Disulfide	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Chlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Chlorodibromomethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Chloroethane	ND		ug/kg	6.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Chloroform	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Chloromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,4-Dioxane	ND		ug/kg	98.4	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Ethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Freon 113	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
2-Hexanone	ND		ug/kg	13.1	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Isopropylbenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Methyl acetate	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Methyl cyclohexane	6.2		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.1	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Methylene Chloride	5.2		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A

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 United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York
 Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489002**

Date Collected: 1/13/2014 09:50

Matrix: Solid

 Sample ID: **P26-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Tetrachloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Toluene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Trichloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Vinyl Chloride	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
o-Xylene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
mp-Xylene	ND		ug/kg	5.2	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	75.6		%	56-124	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
4-Bromofluorobenzene (S)	94.1		%	51-128	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Dibromofluoromethane (S)	77.6		%	62-123	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A
Toluene-d8 (S)	81.4		%	59-131	SW846 8260B	1/15/14	CJG	1/16/14 16:50	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Acenaphthylene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Acetophenone	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Anthracene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Atrazine	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Benzaldehyde	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Benzo(a)anthracene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Benzo(a)pyrene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Biphenyl	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Butylbenzylphthalate	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Caprolactam	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Carbazole	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
4-Chloroaniline	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489002**

Date Collected: 1/13/2014 09:50

Matrix: Solid

Sample ID: **P26-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2-Chloronaphthalene	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2-Chlorophenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Chrysene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
mp-Cresol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
o-Cresol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Di-n-Butylphthalate	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Di-n-Octylphthalate	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Dibenzofuran	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	180	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2,4-Dichlorophenol	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Diethylphthalate	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2,4-Dimethylphenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Dimethylphthalate	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2,4-Dinitrophenol	ND		ug/kg	241	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Fluoranthene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Fluorene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Hexachlorobenzene	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Hexachlorobutadiene	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Hexachloroethane	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Isophorone	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2-Methylnaphthalene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Naphthalene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2-Nitroaniline	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
3-Nitroaniline	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
4-Nitroaniline	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Nitrobenzene	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2-Nitrophenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
4-Nitrophenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Pentachlorophenol	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Phenanthrene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489002**

Date Collected: 1/13/2014 09:50

Matrix: Solid

 Sample ID: **P26-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Pyrene	ND		ug/kg	60.1	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	325	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	120	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	72		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2-Fluorobiphenyl (S)	77.7		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
2-Fluorophenol (S)	77.1		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Nitrobenzene-d5 (S)	72.7		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Phenol-d5 (S)	72.6		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D
Terphenyl-d14 (S)	87.3		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 13:00	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Aroclor-1221	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Aroclor-1232	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Aroclor-1242	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Aroclor-1248	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Aroclor-1254	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Aroclor-1260	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Aroclor-1262	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Aroclor-1268	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	49.4		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D
Tetrachloro-m-xylene (S)	66.5		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 18:55	RWS	D

WET CHEMISTRY

Moisture	17.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	82.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	11.4	SW846 6010C	1/16/14	AAM	1/17/14 02:54	SRT	D1
Barium, Total	54.0		mg/kg	5.7	SW846 6010C	1/16/14	AAM	1/17/14 02:54	SRT	D1
Cadmium, Total	ND		mg/kg	2.8	SW846 6010C	1/16/14	AAM	1/17/14 02:54	SRT	D1
Chromium, Total	21.7		mg/kg	5.7	SW846 6010C	1/16/14	AAM	1/17/14 02:54	SRT	D1
Lead, Total	92.8		mg/kg	11.4	SW846 6010C	1/16/14	AAM	1/17/14 02:54	SRT	D1
Mercury, Total	ND		mg/kg	0.060	SW846 7471B	1/24/14	MNP	1/27/14 11:13	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489002**

Date Collected: 1/13/2014 09:50

Matrix: Solid

Sample ID: **P26-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	28.5	SW846 6010C	1/16/14	AAM	1/17/14 02:54	SRT	D1
Silver, Total	ND		mg/kg	2.8	SW846 6010C	1/16/14	AAM	1/17/14 02:54	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489003**

Date Collected: 1/13/2014 10:00

Matrix: Solid

Sample ID: **P26-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	36.9		ug/kg	11.0	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Benzene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Bromoform	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Bromomethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
2-Butanone	ND		ug/kg	11.0	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Carbon Disulfide	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Chloroethane	ND		ug/kg	5.5	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Chloroform	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Chloromethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,4-Dioxane	ND		ug/kg	82.7	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Freon 113	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
2-Hexanone	ND		ug/kg	11.0	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Methyl acetate	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Methyl cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.0	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Methylene Chloride	7.2		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489003**

Date Collected: 1/13/2014 10:00

Matrix: Solid

 Sample ID: **P26-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Tetrachloroethene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Toluene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Trichloroethene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Vinyl Chloride	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
o-Xylene	ND		ug/kg	2.2	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
mp-Xylene	ND		ug/kg	4.4	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.2		%	56-124	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
4-Bromofluorobenzene (S)	92.4		%	51-128	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Dibromofluoromethane (S)	76.8		%	62-123	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A
Toluene-d8 (S)	80.5		%	59-131	SW846 8260B	1/15/14	CJG	1/16/14 17:14	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Acenaphthylene	ND		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Acetophenone	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Anthracene	ND		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Atrazine	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Benzaldehyde	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Benzo(a)anthracene	142		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Benzo(a)pyrene	125		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Benzo(b)fluoranthene	201		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Benzo(g,h,i)perylene	82.7		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Biphenyl	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Butylbenzylphthalate	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Caprolactam	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Carbazole	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
4-Chloroaniline	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489003**

Date Collected: 1/13/2014 10:00

Matrix: Solid

Sample ID: **P26-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2-Chloronaphthalene	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2-Chlorophenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Chrysene	167		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
mp-Cresol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
o-Cresol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Di-n-Butylphthalate	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Di-n-Octylphthalate	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Dibenzofuran	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	191	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2,4-Dichlorophenol	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Diethylphthalate	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2,4-Dimethylphenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Dimethylphthalate	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2,4-Dinitrophenol	ND		ug/kg	254	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Fluoranthene	227		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Fluorene	ND		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Hexachlorobenzene	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Hexachlorobutadiene	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Hexachloroethane	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Indeno(1,2,3-cd)pyrene	93.8		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Isophorone	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2-Methylnaphthalene	ND		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Naphthalene	ND		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2-Nitroaniline	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
3-Nitroaniline	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
4-Nitroaniline	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Nitrobenzene	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2-Nitrophenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
4-Nitrophenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Pentachlorophenol	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Phenanthrene	141		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489003**
 Sample ID: **P26-B**

 Date Collected: 1/13/2014 10:00 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Pyrene	206		ug/kg	63.5	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	343	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	127	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	86.7		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2-Fluorobiphenyl (S)	80.8		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
2-Fluorophenol (S)	88.4		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Nitrobenzene-d5 (S)	79.6		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Phenol-d5 (S)	81.1		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D
Terphenyl-d14 (S)	97.3		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 13:24	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Aroclor-1221	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Aroclor-1232	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Aroclor-1242	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Aroclor-1248	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Aroclor-1254	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Aroclor-1260	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Aroclor-1262	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Aroclor-1268	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	56.1		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D
Tetrachloro-m-xylene (S)	76.5		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 19:13	RWS	D

WET CHEMISTRY

Moisture	21.6		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	78.4		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	12.5	SW846 6010C	1/16/14	AAM	1/17/14 02:58	SRT	D1
Barium, Total	51.4		mg/kg	6.3	SW846 6010C	1/16/14	AAM	1/17/14 02:58	SRT	D1
Cadmium, Total	ND		mg/kg	3.1	SW846 6010C	1/16/14	AAM	1/17/14 02:58	SRT	D1
Chromium, Total	22.1		mg/kg	6.3	SW846 6010C	1/16/14	AAM	1/17/14 02:58	SRT	D1
Lead, Total	346		mg/kg	12.5	SW846 6010C	1/16/14	AAM	1/17/14 02:58	SRT	D1
Mercury, Total	ND		mg/kg	0.063	SW846 7471B	1/24/14	MNP	1/27/14 11:14	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489003**

Date Collected: 1/13/2014 10:00

Matrix: Solid

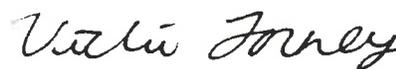
Sample ID: **P26-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	31.3	SW846 6010C	1/16/14	AAM	1/17/14 02:58	SRT	D1
Silver, Total	ND		mg/kg	3.1	SW846 6010C	1/16/14	AAM	1/17/14 02:58	SRT	D1

Sample Comments:

One or more of the matrix spike compounds for the EPA 8270 analysis were recovered outside of the quality control limits due to sample matrix interferences. The LCS sample associated to this sample was within control limits.



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489004**

Date Collected: 1/13/2014 10:20

Matrix: Solid

Sample ID: **P20-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	67.5		ug/kg	13.1	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Benzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Bromochloromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Bromodichloromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Bromoform	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Bromomethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
2-Butanone	ND		ug/kg	13.1	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Carbon Disulfide	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Chlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Chlorodibromomethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Chloroethane	ND		ug/kg	6.5	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Chloroform	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Chloromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,4-Dioxane	ND		ug/kg	98.0	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Ethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Freon 113	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
2-Hexanone	ND		ug/kg	13.1	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Isopropylbenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Methyl acetate	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Methyl cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.1	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Methylene Chloride	5.2	1	ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489004**
 Sample ID: **P20-A**

 Date Collected: 1/13/2014 10:20 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Styrene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Tetrachloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Toluene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Trichloroethene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Vinyl Chloride	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
o-Xylene	ND		ug/kg	2.6	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
mp-Xylene	ND		ug/kg	5.2	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	75.7		%	56-124	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
4-Bromofluorobenzene (S)	91.7		%	51-128	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Dibromofluoromethane (S)	77.1		%	62-123	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A
Toluene-d8 (S)	79.3		%	59-131	SW846 8260B	1/15/14	CJG	1/16/14 17:37	CJG	A

WET CHEMISTRY

Moisture	15.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	84.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

Sample Comments:

Vicki Forney
 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489005**

Date Collected: 1/13/2014 10:50

Matrix: Solid

Sample ID: **P27-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	365		ug/kg	11.7	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Benzene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Bromochloromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Bromodichloromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Bromoform	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Bromomethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
2-Butanone	12.6		ug/kg	11.7	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Carbon Disulfide	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Carbon Tetrachloride	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Chlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Chlorodibromomethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Chloroethane	ND		ug/kg	5.8	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Chloroform	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Chloromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Cyclohexane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,2-Dibromoethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,2-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,3-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,4-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Dichlorodifluoromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,1-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,2-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,1-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
cis-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
trans-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,2-Dichloropropane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
cis-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
trans-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
1,4-Dioxane	ND		ug/kg	87.6	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Ethylbenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Freon 113	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
2-Hexanone	ND		ug/kg	11.7	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Isopropylbenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Methyl acetate	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Methyl cyclohexane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Methyl t-Butyl Ether	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.7	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A
Methylene Chloride	2.6		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489005**

Date Collected: 1/13/2014 10:50

Matrix: Solid

 Sample ID: **P27-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
Tetrachloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
Toluene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
Trichloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
Vinyl Chloride	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
o-Xylene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
mp-Xylene	ND		ug/kg	4.7	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	78.9		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
4-Bromofluorobenzene (S)	102		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
Dibromofluoromethane (S)	79.4		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A
Toluene-d8 (S)	81.4		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 18:00	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Acenaphthylene	ND		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Acetophenone	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Anthracene	125		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Atrazine	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Benzaldehyde	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Benzo(a)anthracene	573		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Benzo(a)pyrene	647		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Benzo(b)fluoranthene	934		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Benzo(g,h,i)perylene	474		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Benzo(k)fluoranthene	342		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Biphenyl	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Butylbenzylphthalate	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Caprolactam	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Carbazole	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
4-Chloroaniline	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489005**

Date Collected: 1/13/2014 10:50

Matrix: Solid

 Sample ID: **P27-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2-Chloronaphthalene	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2-Chlorophenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Chrysene	665		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
mp-Cresol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
o-Cresol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Di-n-Butylphthalate	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Di-n-Octylphthalate	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Dibenzo(a,h)anthracene	90.4		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Dibenzofuran	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	167	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2,4-Dichlorophenol	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Diethylphthalate	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2,4-Dimethylphenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Dimethylphthalate	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2,4-Dinitrophenol	ND		ug/kg	223	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
bis(2-Ethylhexyl)phthalate	145		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Fluoranthene	1140		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Fluorene	ND		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Hexachlorobenzene	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Hexachlorobutadiene	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Hexachloroethane	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Indeno(1,2,3-cd)pyrene	509		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Isophorone	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2-Methylnaphthalene	ND		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Naphthalene	ND		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2-Nitroaniline	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
3-Nitroaniline	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
4-Nitroaniline	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Nitrobenzene	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2-Nitrophenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
4-Nitrophenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Pentachlorophenol	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Phenanthrene	520		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489005**

Date Collected: 1/13/2014 10:50

Matrix: Solid

 Sample ID: **P27-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Pyrene	1120		ug/kg	55.7	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	301	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	111	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	67.5		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2-Fluorobiphenyl (S)	67.5		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
2-Fluorophenol (S)	64.2		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Nitrobenzene-d5 (S)	58		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Phenol-d5 (S)	60.4		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
Terphenyl-d14 (S)	74.7		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 20:21	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Aroclor-1260	0.13		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	59.1		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
Tetrachloro-m-xylene (S)	71.5		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 19:32	RWS	D
WET CHEMISTRY										
Moisture	11.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	88.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	10.5	SW846 6010C	1/16/14	AAM	1/17/14 03:26	SRT	D1
Barium, Total	74.4		mg/kg	5.3	SW846 6010C	1/16/14	AAM	1/17/14 03:26	SRT	D1
Cadmium, Total	ND		mg/kg	2.6	SW846 6010C	1/16/14	AAM	1/17/14 03:26	SRT	D1
Chromium, Total	21.3		mg/kg	5.3	SW846 6010C	1/16/14	AAM	1/17/14 03:26	SRT	D1
Lead, Total	103		mg/kg	10.5	SW846 6010C	1/16/14	AAM	1/17/14 03:26	SRT	D1
Mercury, Total	0.17		mg/kg	0.051	SW846 7471B	1/24/14	MNP	1/27/14 11:15	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: 1067489005

Date Collected: 1/13/2014 10:50

Matrix: Solid

Sample ID: P27-A

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	26.3	SW846 6010C	1/16/14	AAM	1/17/14 03:26	SRT	D1
Silver, Total	ND		mg/kg	2.6	SW846 6010C	1/16/14	AAM	1/17/14 03:26	SRT	D1

Sample Comments:

Vicki Forney

Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489006**

Date Collected: 1/13/2014 11:10

Matrix: Solid

 Sample ID: **P27-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	36.8		ug/kg	11.7	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Benzene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Bromochloromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Bromodichloromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Bromoform	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Bromomethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
2-Butanone	ND		ug/kg	11.7	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Carbon Disulfide	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Chlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Chlorodibromomethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Chloroethane	ND		ug/kg	5.8	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Chloroform	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Chloromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Cyclohexane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
1,4-Dioxane	ND		ug/kg	87.5	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Ethylbenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Freon 113	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
2-Hexanone	ND		ug/kg	11.7	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Isopropylbenzene	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Methyl acetate	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Methyl cyclohexane	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.7	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A
Methylene Chloride	5.0		ug/kg	2.3	SW846 8260B	1/13/14 CJG	1/16/14 18:23	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489006**

Date Collected: 1/13/2014 11:10

Matrix: Solid

 Sample ID: **P27-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
Tetrachloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
Toluene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
Trichloroethene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
Vinyl Chloride	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
o-Xylene	ND		ug/kg	2.3	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
mp-Xylene	ND		ug/kg	4.7	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77.2		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
4-Bromofluorobenzene (S)	95.5		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
Dibromofluoromethane (S)	79.5		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A
Toluene-d8 (S)	79.7		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 18:23	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Acenaphthylene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Acetophenone	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Anthracene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Atrazine	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Benzaldehyde	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Benzo(a)anthracene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Benzo(a)pyrene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Benzo(b)fluoranthene	125		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Benzo(g,h,i)perylene	70.3		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Biphenyl	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Butylbenzylphthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Caprolactam	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Carbazole	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
4-Chloroaniline	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489006**

Date Collected: 1/13/2014 11:10

Matrix: Solid

 Sample ID: **P27-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2-Chloronaphthalene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2-Chlorophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Chrysene	76.1		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
mp-Cresol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
o-Cresol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Di-n-Butylphthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Di-n-Octylphthalate	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Dibenzofuran	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	175	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2,4-Dichlorophenol	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Diethylphthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2,4-Dimethylphenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Dimethylphthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2,4-Dinitrophenol	ND		ug/kg	233	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Fluoranthene	64.2		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Fluorene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Hexachlorobenzene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Hexachlorobutadiene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Hexachloroethane	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Indeno(1,2,3-cd)pyrene	68.1		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Isophorone	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2-Methylnaphthalene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Naphthalene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2-Nitroaniline	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
3-Nitroaniline	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
4-Nitroaniline	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Nitrobenzene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2-Nitrophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
4-Nitrophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Pentachlorophenol	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Phenanthrene	ND		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489006**

Date Collected: 1/13/2014 11:10

Matrix: Solid

 Sample ID: **P27-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Pyrene	63.2		ug/kg	58.3	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	74		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2-Fluorobiphenyl (S)	70		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
2-Fluorophenol (S)	75.2		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Nitrobenzene-d5 (S)	65.3		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Phenol-d5 (S)	70.9		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D
Terphenyl-d14 (S)	84.6		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 14:13	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Aroclor-1260	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	62.4		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D
Tetrachloro-m-xylene (S)	81.1		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 19:50	RWS	D

WET CHEMISTRY

Moisture	15.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	84.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	10.8	SW846 6010C	1/16/14	AAM	1/17/14 03:30	SRT	D1
Barium, Total	74.4		mg/kg	5.4	SW846 6010C	1/16/14	AAM	1/17/14 03:30	SRT	D1
Cadmium, Total	ND		mg/kg	2.7	SW846 6010C	1/16/14	AAM	1/17/14 03:30	SRT	D1
Chromium, Total	12.3		mg/kg	5.4	SW846 6010C	1/16/14	AAM	1/17/14 03:30	SRT	D1
Lead, Total	35.4		mg/kg	10.8	SW846 6010C	1/16/14	AAM	1/17/14 03:30	SRT	D1
Mercury, Total	ND		mg/kg	0.058	SW846 7471B	1/24/14	MNP	1/27/14 11:19	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489006**

Date Collected: 1/13/2014 11:10

Matrix: Solid

Sample ID: **P27-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	27.0	SW846 6010C	1/16/14	AAM	1/17/14 03:30	SRT	D1
Silver, Total	ND		mg/kg	2.7	SW846 6010C	1/16/14	AAM	1/17/14 03:30	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489007**

Date Collected: 1/13/2014 11:20

Matrix: Solid

 Sample ID: **P27-C**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	103		ug/kg	13.4	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Benzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Bromochloromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Bromodichloromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Bromoform	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Bromomethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
2-Butanone	13.6		ug/kg	13.4	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Carbon Disulfide	4.6		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Chlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Chlorodibromomethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Chloroethane	ND		ug/kg	6.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Chloroform	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Chloromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Cyclohexane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,4-Dioxane	ND		ug/kg	100	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Ethylbenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Freon 113	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
2-Hexanone	ND		ug/kg	13.4	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Isopropylbenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Methyl acetate	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Methyl cyclohexane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.4	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Methylene Chloride	4.6		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489007**

Date Collected: 1/13/2014 11:20

Matrix: Solid

 Sample ID: **P27-C**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Tetrachloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Toluene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Trichloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Vinyl Chloride	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
o-Xylene	ND		ug/kg	2.7	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
mp-Xylene	ND		ug/kg	5.3	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	75.4		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
4-Bromofluorobenzene (S)	118		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Dibromofluoromethane (S)	77.6		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A
Toluene-d8 (S)	73		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 18:46	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Acenaphthylene	ND		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Acetophenone	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Anthracene	ND		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Atrazine	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Benzaldehyde	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Benzo(a)anthracene	367		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Benzo(a)pyrene	ND		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Benzo(b)fluoranthene	1060		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Benzo(g,h,i)perylene	450		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Biphenyl	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Butylbenzylphthalate	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Caprolactam	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Carbazole	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
4-Chloroaniline	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489007**

Date Collected: 1/13/2014 11:20

Matrix: Solid

Sample ID: **P27-C**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2-Chloronaphthalene	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2-Chlorophenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Chrysene	565		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
mp-Cresol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
o-Cresol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Di-n-Butylphthalate	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Di-n-Octylphthalate	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Dibenzo(a,h)anthracene	138		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Dibenzofuran	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	178	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2,4-Dichlorophenol	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Diethylphthalate	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2,4-Dimethylphenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Dimethylphthalate	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2,4-Dinitrophenol	ND		ug/kg	238	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Fluoranthene	372		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Fluorene	ND		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Hexachlorobenzene	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Hexachlorobutadiene	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Hexachloroethane	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Indeno(1,2,3-cd)pyrene	470		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Isophorone	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2-Methylnaphthalene	ND		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Naphthalene	ND		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2-Nitroaniline	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
3-Nitroaniline	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
4-Nitroaniline	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Nitrobenzene	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2-Nitrophenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
4-Nitrophenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Pentachlorophenol	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Phenanthrene	116		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489007**

Date Collected: 1/13/2014 11:20

Matrix: Solid

 Sample ID: **P27-C**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Pyrene	393		ug/kg	59.4	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	321	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	119	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	85.3		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2-Fluorobiphenyl (S)	79.2		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
2-Fluorophenol (S)	85.7		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Nitrobenzene-d5 (S)	76.9		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Phenol-d5 (S)	79.7		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
Terphenyl-d14 (S)	83.7		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 14:37	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Aroclor-1260	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	41.8	2	%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
Tetrachloro-m-xylene (S)	73.5		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 20:08	RWS	D
WET CHEMISTRY										
Moisture	16.4		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	83.6		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
METALS										
Arsenic, Total	14.7		mg/kg	12.0	SW846 6010C	1/16/14	AAM	1/17/14 03:34	SRT	D1
Barium, Total	57.0		mg/kg	6.0	SW846 6010C	1/16/14	AAM	1/17/14 03:34	SRT	D1
Cadmium, Total	ND		mg/kg	3.0	SW846 6010C	1/16/14	AAM	1/17/14 03:34	SRT	D1
Chromium, Total	26.7		mg/kg	6.0	SW846 6010C	1/16/14	AAM	1/17/14 03:34	SRT	D1
Lead, Total	114		mg/kg	12.0	SW846 6010C	1/16/14	AAM	1/17/14 03:34	SRT	D1
Mercury, Total	0.063		mg/kg	0.060	SW846 7471B	1/24/14	MNP	1/27/14 11:22	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489007**

Date Collected: 1/13/2014 11:20

Matrix: Solid

Sample ID: **P27-C**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	29.9	SW846 6010C	1/16/14	AAM	1/17/14 03:34	SRT	D1
Silver, Total	ND		mg/kg	3.0	SW846 6010C	1/16/14	AAM	1/17/14 03:34	SRT	D1

Sample Comments:



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489008**

Date Collected: 1/13/2014 11:50

Matrix: Solid

 Sample ID: **P28-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	56.6		ug/kg	9.0	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Benzene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Bromochloromethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Bromodichloromethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Bromoform	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Bromomethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
2-Butanone	ND		ug/kg	9.0	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Carbon Disulfide	2.9		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Carbon Tetrachloride	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Chlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Chlorodibromomethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Chloroethane	ND		ug/kg	4.5	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Chloroform	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Chloromethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Cyclohexane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,2-Dibromoethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Dichlorodifluoromethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,1-Dichloroethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,2-Dichloroethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,1-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,2-Dichloropropane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,4-Dioxane	ND		ug/kg	67.7	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Ethylbenzene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Freon 113	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
2-Hexanone	ND		ug/kg	9.0	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Isopropylbenzene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Methyl acetate	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Methyl cyclohexane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.0	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Methylene Chloride	2.8		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489008**

Date Collected: 1/13/2014 11:50

Matrix: Solid

 Sample ID: **P28-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Tetrachloroethene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Toluene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Trichloroethene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Trichlorofluoromethane	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Vinyl Chloride	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
o-Xylene	ND		ug/kg	1.8	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
mp-Xylene	ND		ug/kg	3.6	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77.1		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
4-Bromofluorobenzene (S)	101		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Dibromofluoromethane (S)	78.8		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A
Toluene-d8 (S)	79.8		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 19:09	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Acenaphthylene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Acetophenone	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Anthracene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Atrazine	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Benzaldehyde	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Benzo(a)anthracene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Benzo(a)pyrene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Biphenyl	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Butylbenzylphthalate	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Caprolactam	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Carbazole	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
4-Chloroaniline	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489008**

Date Collected: 1/13/2014 11:50

Matrix: Solid

 Sample ID: **P28-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2-Chloronaphthalene	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2-Chlorophenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Chrysene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
mp-Cresol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
o-Cresol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Di-n-Butylphthalate	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Di-n-Octylphthalate	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Dibenzofuran	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	162	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2,4-Dichlorophenol	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Diethylphthalate	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2,4-Dimethylphenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Dimethylphthalate	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2,4-Dinitrophenol	ND		ug/kg	215	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Fluoranthene	63.0		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Fluorene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Hexachlorobenzene	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Hexachlorobutadiene	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Hexachloroethane	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Isophorone	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2-Methylnaphthalene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Naphthalene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2-Nitroaniline	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
3-Nitroaniline	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
4-Nitroaniline	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Nitrobenzene	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2-Nitrophenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
4-Nitrophenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Pentachlorophenol	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Phenanthrene	ND		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489008**

Date Collected: 1/13/2014 11:50

Matrix: Solid

 Sample ID: **P28-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Pyrene	63.0		ug/kg	53.8	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	291	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	108	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	59.4		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2-Fluorobiphenyl (S)	70.4		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
2-Fluorophenol (S)	65.4		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Nitrobenzene-d5 (S)	64.4		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Phenol-d5 (S)	64.1		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
Terphenyl-d14 (S)	79.2		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 15:02	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	58		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
Tetrachloro-m-xylene (S)	79.8		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 20:26	RWS	D
WET CHEMISTRY										
Moisture	9.8		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	90.2		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	10.1	SW846 6010C	1/16/14	AAM	1/17/14 03:38	SRT	D1
Barium, Total	45.5		mg/kg	5.0	SW846 6010C	1/16/14	AAM	1/17/14 03:38	SRT	D1
Cadmium, Total	ND		mg/kg	2.5	SW846 6010C	1/16/14	AAM	1/17/14 03:38	SRT	D1
Chromium, Total	9.8		mg/kg	5.0	SW846 6010C	1/16/14	AAM	1/17/14 03:38	SRT	D1
Lead, Total	65.3		mg/kg	10.1	SW846 6010C	1/16/14	AAM	1/17/14 03:38	SRT	D1
Mercury, Total	ND		mg/kg	0.054	SW846 7471B	1/24/14	MNP	1/27/14 11:23	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489008**

Date Collected: 1/13/2014 11:50

Matrix: Solid

Sample ID: **P28-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	25.2	SW846 6010C	1/16/14	AAM	1/17/14 03:38	SRT	D1
Silver, Total	ND		mg/kg	2.5	SW846 6010C	1/16/14	AAM	1/17/14 03:38	SRT	D1

Sample Comments:



Vicki Forney

Project Coordinator

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 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489009**

Date Collected: 1/13/2014 12:10

Matrix: Solid

Sample ID: **P29-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	16.3		ug/kg	9.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Benzene	2.8		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Bromoform	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Bromomethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
2-Butanone	ND		ug/kg	9.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Chloroethane	ND		ug/kg	4.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Chloroform	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Chloromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
cis-1,2-Dichloroethene	2.8		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,4-Dioxane	ND		ug/kg	74.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Freon 113	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
2-Hexanone	ND		ug/kg	9.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Methyl acetate	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Methylene Chloride	2.7		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489009**

Date Collected: 1/13/2014 12:10

Matrix: Solid

Sample ID: **P29-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Tetrachloroethene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Toluene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Trichloroethene	5.6		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
o-Xylene	ND		ug/kg	2.0	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
mp-Xylene	ND		ug/kg	3.9	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	78.2		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
4-Bromofluorobenzene (S)	90.5		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Dibromofluoromethane (S)	77.2		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A
Toluene-d8 (S)	78.7		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 19:32	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Acenaphthylene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Acetophenone	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Anthracene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Atrazine	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Benzaldehyde	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Benzo(a)anthracene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Benzo(a)pyrene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Biphenyl	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Butylbenzylphthalate	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Caprolactam	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Carbazole	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
4-Chloroaniline	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489009**

Date Collected: 1/13/2014 12:10

Matrix: Solid

Sample ID: **P29-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2-Chloronaphthalene	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2-Chlorophenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Chrysene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
mp-Cresol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
o-Cresol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Di-n-Butylphthalate	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Di-n-Octylphthalate	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Dibenzofuran	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	157	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2,4-Dichlorophenol	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Diethylphthalate	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2,4-Dimethylphenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Dimethylphthalate	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2,4-Dinitrophenol	ND		ug/kg	209	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Fluoranthene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Fluorene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Hexachlorobenzene	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Hexachlorobutadiene	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Hexachloroethane	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Isophorone	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2-Methylnaphthalene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Naphthalene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2-Nitroaniline	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
3-Nitroaniline	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
4-Nitroaniline	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Nitrobenzene	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2-Nitrophenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
4-Nitrophenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Pentachlorophenol	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Phenanthrene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489009**

Date Collected: 1/13/2014 12:10

Matrix: Solid

Sample ID: **P29-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Pyrene	ND		ug/kg	52.3	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	282	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	78.4		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2-Fluorobiphenyl (S)	73.7		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
2-Fluorophenol (S)	75.7		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Nitrobenzene-d5 (S)	70.8		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Phenol-d5 (S)	70.6		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D
Terphenyl-d14 (S)	88.1		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 15:27	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	70.1		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D
Tetrachloro-m-xylene (S)	80.4		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 20:44	RWS	D

WET CHEMISTRY

Moisture	5.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	94.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	10.0	SW846 6010C	1/16/14	AAM	1/17/14 03:41	SRT	D1
Barium, Total	36.8		mg/kg	5.0	SW846 6010C	1/16/14	AAM	1/17/14 03:41	SRT	D1
Cadmium, Total	ND		mg/kg	2.5	SW846 6010C	1/16/14	AAM	1/17/14 03:41	SRT	D1
Chromium, Total	12.8		mg/kg	5.0	SW846 6010C	1/16/14	AAM	1/17/14 03:41	SRT	D1
Lead, Total	107		mg/kg	10.0	SW846 6010C	1/16/14	AAM	1/17/14 03:41	SRT	D1
Mercury, Total	ND		mg/kg	0.048	SW846 7471B	1/24/14	MNP	1/27/14 11:24	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489009**

Date Collected: 1/13/2014 12:10

Matrix: Solid

Sample ID: **P29-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	25.0	SW846 6010C	1/16/14	AAM	1/17/14 03:41	SRT	D1
Silver, Total	ND		mg/kg	2.5	SW846 6010C	1/16/14	AAM	1/17/14 03:41	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489010**

Date Collected: 1/13/2014 12:00

Matrix: Solid

 Sample ID: **P28-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	123		ug/kg	12.8	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Benzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Bromochloromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Bromodichloromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Bromoform	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Bromomethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
2-Butanone	ND		ug/kg	12.8	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Carbon Disulfide	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Chlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Chlorodibromomethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Chloroethane	ND		ug/kg	6.4	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Chloroform	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Chloromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,4-Dioxane	ND		ug/kg	96.0	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Ethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Freon 113	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
2-Hexanone	ND		ug/kg	12.8	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Isopropylbenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Methyl acetate	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Methyl cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	12.8	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Methylene Chloride	6.5		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489010**

Date Collected: 1/13/2014 12:00

Matrix: Solid

 Sample ID: **P28-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Tetrachloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Toluene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Trichloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Vinyl Chloride	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
o-Xylene	ND		ug/kg	2.6	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
mp-Xylene	ND		ug/kg	5.1	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77.4		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
4-Bromofluorobenzene (S)	101		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Dibromofluoromethane (S)	79.9		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A
Toluene-d8 (S)	82.3		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 19:55	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Acenaphthylene	64.2		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Acetophenone	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Anthracene	ND		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Atrazine	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Benzaldehyde	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Benzo(a)anthracene	258		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Benzo(a)pyrene	315		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Benzo(b)fluoranthene	517		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Benzo(g,h,i)perylene	247		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Benzo(k)fluoranthene	180		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Biphenyl	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Butylbenzylphthalate	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Caprolactam	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Carbazole	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
4-Chloroaniline	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489010**

Date Collected: 1/13/2014 12:00

Matrix: Solid

Sample ID: **P28-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2-Chloronaphthalene	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2-Chlorophenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Chrysene	339		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
mp-Cresol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
o-Cresol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Di-n-Butylphthalate	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Di-n-Octylphthalate	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Dibenzo(a,h)anthracene	70.0		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Dibenzofuran	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	183	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2,4-Dichlorophenol	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Diethylphthalate	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2,4-Dimethylphenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Dimethylphthalate	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2,4-Dinitrophenol	ND		ug/kg	244	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Fluoranthene	368		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Fluorene	ND		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Hexachlorobenzene	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Hexachlorobutadiene	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Hexachloroethane	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Indeno(1,2,3-cd)pyrene	255		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Isophorone	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2-Methylnaphthalene	ND		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Naphthalene	ND		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2-Nitroaniline	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
3-Nitroaniline	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
4-Nitroaniline	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Nitrobenzene	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2-Nitrophenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
4-Nitrophenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Pentachlorophenol	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Phenanthrene	171		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489010**
 Sample ID: **P28-B**

 Date Collected: 1/13/2014 12:00 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Pyrene	358		ug/kg	60.9	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	329	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	122	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	66.9		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2-Fluorobiphenyl (S)	69.3		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
2-Fluorophenol (S)	70		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Nitrobenzene-d5 (S)	64.7		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Phenol-d5 (S)	65.1		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D
Terphenyl-d14 (S)	76.8		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 20:45	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Aroclor-1221	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Aroclor-1232	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Aroclor-1242	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Aroclor-1248	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Aroclor-1254	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Aroclor-1260	0.041		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Aroclor-1262	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Aroclor-1268	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	67.7		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D
Tetrachloro-m-xylene (S)	83.9		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 21:02	RWS	D

WET CHEMISTRY

Moisture	19.0		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	81.0		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	10.8	SW846 6010C	1/16/14	AAM	1/17/14 03:45	SRT	D1
Barium, Total	72.0		mg/kg	5.4	SW846 6010C	1/16/14	AAM	1/17/14 03:45	SRT	D1
Cadmium, Total	ND		mg/kg	2.7	SW846 6010C	1/16/14	AAM	1/17/14 03:45	SRT	D1
Chromium, Total	20.5		mg/kg	5.4	SW846 6010C	1/16/14	AAM	1/17/14 03:45	SRT	D1
Lead, Total	74.2		mg/kg	10.8	SW846 6010C	1/16/14	AAM	1/17/14 03:45	SRT	D1
Mercury, Total	ND		mg/kg	0.062	SW846 7471B	1/27/14	MNP	1/27/14 11:27	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489010**

Date Collected: 1/13/2014 12:00

Matrix: Solid

Sample ID: **P28-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	27.1	SW846 6010C	1/16/14	AAM	1/17/14 03:45	SRT	D1
Silver, Total	ND		mg/kg	2.7	SW846 6010C	1/16/14	AAM	1/17/14 03:45	SRT	D1

Sample Comments:

This sample was extracted and analyzed in duplicate for the Method 8270 analysis. The precision measurement was outside laboratory control limits for one or more compounds detected in this sample.



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489011**

Date Collected: 1/13/2014 12:20

Matrix: Solid

Sample ID: **P29-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	12.4	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Benzene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Bromochloromethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Bromodichloromethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Bromoform	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Bromomethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
2-Butanone	ND		ug/kg	12.4	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Carbon Disulfide	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Chlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Chlorodibromomethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Chloroethane	ND		ug/kg	6.2	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Chloroform	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Chloromethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Cyclohexane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,4-Dioxane	ND		ug/kg	93.1	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Ethylbenzene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Freon 113	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
2-Hexanone	ND		ug/kg	12.4	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Isopropylbenzene	90.7		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Methyl acetate	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Methyl cyclohexane	7060		ug/kg	63.4	SW846 8260B	1/13/14	CPK	1/18/14 04:31	DD	
Methyl t-Butyl Ether	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	12.4	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Methylene Chloride	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: 1067489011

Date Collected: 1/13/2014 12:20

Matrix: Solid

Sample ID: P29-B

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Tetrachloroethene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Toluene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Trichloroethene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Vinyl Chloride	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
o-Xylene	ND		ug/kg	2.5	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
mp-Xylene	ND		ug/kg	5.0	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	90.2		%	71-146	SW846 8260B	1/13/14	CPK	1/18/14 04:31	DD	
4-Bromofluorobenzene (S)	87		%	46-138	SW846 8260B	1/13/14	CPK	1/18/14 04:31	DD	
Dibromofluoromethane (S)	91.1		%	42-143	SW846 8260B	1/13/14	CPK	1/18/14 04:31	DD	
Toluene-d8 (S)	100		%	54-141	SW846 8260B	1/13/14	CPK	1/18/14 04:31	DD	
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	119		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
4-Bromofluorobenzene (S)	109		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Dibromofluoromethane (S)	63.1		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A
Toluene-d8 (S)	72.9		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 20:18	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Acenaphthylene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Acetophenone	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Anthracene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Atrazine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Benzaldehyde	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Benzo(a)anthracene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Benzo(a)pyrene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Biphenyl	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Butylbenzylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Caprolactam	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489011**

Date Collected: 1/13/2014 12:20

Matrix: Solid

Sample ID: **P29-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Carbazole	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
4-Chloroaniline	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
bis(2-Chloroisopropyl)ether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2-Chloronaphthalene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2-Chlorophenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Chrysene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
mp-Cresol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
o-Cresol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Di-n-Butylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Di-n-Octylphthalate	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Dibenzofuran	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	195	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2,4-Dichlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Diethylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2,4-Dimethylphenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Dimethylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2,4-Dinitrophenol	ND		ug/kg	261	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
bis(2-Ethylhexyl)phthalate	225		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Fluoranthene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Fluorene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Hexachlorobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Hexachlorobutadiene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Hexachloroethane	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Isophorone	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2-Methylnaphthalene	588		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Naphthalene	ND		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2-Nitroaniline	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
3-Nitroaniline	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
4-Nitroaniline	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Nitrobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2-Nitrophenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489011**
 Sample ID: **P29-B**

 Date Collected: 1/13/2014 12:20 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitrophenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Pentachlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Phenanthrene	206		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Phenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Pyrene	79.8		ug/kg	65.1	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	352	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	81.5		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2-Fluorobiphenyl (S)	74.8		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
2-Fluorophenol (S)	73.1		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Nitrobenzene-d5 (S)	73.1		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Phenol-d5 (S)	67.1		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
Terphenyl-d14 (S)	82.3		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 15:51	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Aroclor-1221	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Aroclor-1232	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Aroclor-1242	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Aroclor-1248	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Aroclor-1254	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Aroclor-1260	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Aroclor-1262	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Aroclor-1268	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	68.1		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
Tetrachloro-m-xylene (S)	81		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 21:20	RWS	D
WET CHEMISTRY										
Moisture	24.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	75.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	12.5	SW846 6010C	1/16/14	AAM	1/17/14 03:49	SRT	D1

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489011**

Date Collected: 1/13/2014 12:20

Matrix: Solid

Sample ID: **P29-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Barium, Total	31.9		mg/kg	6.2	SW846 6010C	1/16/14	AAM	1/17/14 03:49	SRT	D1
Cadmium, Total	ND		mg/kg	3.1	SW846 6010C	1/16/14	AAM	1/17/14 03:49	SRT	D1
Chromium, Total	19.4		mg/kg	6.2	SW846 6010C	1/16/14	AAM	1/17/14 03:49	SRT	D1
Lead, Total	12.9		mg/kg	12.5	SW846 6010C	1/16/14	AAM	1/17/14 03:49	SRT	D1
Mercury, Total	ND		mg/kg	0.062	SW846 7471B	1/27/14	MNP	1/27/14 11:28	MNP	D2
Selenium, Total	ND		mg/kg	31.1	SW846 6010C	1/16/14	AAM	1/17/14 03:49	SRT	D1
Silver, Total	ND		mg/kg	3.1	SW846 6010C	1/16/14	AAM	1/17/14 03:49	SRT	D1

Sample Comments:

Vicki Forney
Vicki Forney
Project Coordinator

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489012**

Date Collected: 1/13/2014 13:10

Matrix: Solid

 Sample ID: **P30-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	123		ug/kg	11.1	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Benzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Bromoform	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Bromomethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
2-Butanone	23.1		ug/kg	11.1	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Carbon Disulfide	2.4		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Chloroethane	ND		ug/kg	5.6	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Chloroform	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Chloromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,4-Dioxane	ND		ug/kg	83.3	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Freon 113	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
2-Hexanone	ND		ug/kg	11.1	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Methyl acetate	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Methyl cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.1	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Methylene Chloride	5.2		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489012**

Date Collected: 1/13/2014 13:10

Matrix: Solid

 Sample ID: **P30-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Tetrachloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Toluene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Trichloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Vinyl Chloride	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
o-Xylene	ND		ug/kg	2.2	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
mp-Xylene	ND		ug/kg	4.4	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77.1		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
4-Bromofluorobenzene (S)	127		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Dibromofluoromethane (S)	81.2		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A
Toluene-d8 (S)	82.7		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 20:41	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Acenaphthylene	ND		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Acetophenone	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Anthracene	ND		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Atrazine	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Benzaldehyde	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Benzo(a)anthracene	111		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Benzo(a)pyrene	132		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Benzo(b)fluoranthene	193		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Benzo(g,h,i)perylene	102		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Biphenyl	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Butylbenzylphthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Caprolactam	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Carbazole	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
4-Chloroaniline	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489012**

Date Collected: 1/13/2014 13:10

Matrix: Solid

 Sample ID: **P30-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2-Chloronaphthalene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2-Chlorophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Chrysene	121		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
mp-Cresol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
o-Cresol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Di-n-Butylphthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Di-n-Octylphthalate	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Dibenzofuran	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	175	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2,4-Dichlorophenol	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Diethylphthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2,4-Dimethylphenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Dimethylphthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2,4-Dinitrophenol	ND		ug/kg	233	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Fluoranthene	180		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Fluorene	ND		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Hexachlorobenzene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Hexachlorobutadiene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Hexachloroethane	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Indeno(1,2,3-cd)pyrene	108		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Isophorone	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2-Methylnaphthalene	ND		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Naphthalene	ND		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2-Nitroaniline	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
3-Nitroaniline	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
4-Nitroaniline	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Nitrobenzene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2-Nitrophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
4-Nitrophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Pentachlorophenol	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Phenanthrene	79.9		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489012**
 Sample ID: **P30-A**

 Date Collected: 1/13/2014 13:10 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Pyrene	175		ug/kg	58.4	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	315	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	117	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	74.3		%	37-123	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2-Fluorobiphenyl (S)	71.8		%	45-105	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
2-Fluorophenol (S)	71.7		%	35-104	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Nitrobenzene-d5 (S)	62.9		%	41-110	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Phenol-d5 (S)	67.4		%	40-100	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
Terphenyl-d14 (S)	82		%	38-113	SW846 8270D	1/17/14	MMM	1/20/14 16:56	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Aroclor-1260	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	68.6		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
Tetrachloro-m-xylene (S)	82.4		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 21:38	RWS	D
WET CHEMISTRY										
Moisture	14.6		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	85.4		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	11.0	SW846 6010C	1/16/14	AAM	1/17/14 03:53	SRT	D1
Barium, Total	35.8		mg/kg	5.5	SW846 6010C	1/16/14	AAM	1/17/14 03:53	SRT	D1
Cadmium, Total	ND		mg/kg	2.8	SW846 6010C	1/16/14	AAM	1/17/14 03:53	SRT	D1
Chromium, Total	203		mg/kg	5.5	SW846 6010C	1/16/14	AAM	1/17/14 03:53	SRT	D1
Lead, Total	68.1		mg/kg	11.0	SW846 6010C	1/16/14	AAM	1/17/14 03:53	SRT	D1
Mercury, Total	0.058		mg/kg	0.054	SW846 7471B	1/27/14	MNP	1/27/14 11:31	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489012**

Date Collected: 1/13/2014 13:10

Matrix: Solid

Sample ID: **P30-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	27.6	SW846 6010C	1/16/14	AAM	1/17/14 03:53	SRT	D1
Silver, Total	ND		mg/kg	2.8	SW846 6010C	1/16/14	AAM	1/17/14 03:53	SRT	D1

Sample Comments:



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489013**

Date Collected: 1/13/2014 13:30

Matrix: Solid

 Sample ID: **P30-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	28.2		ug/kg	13.0	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Benzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Bromochloromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Bromodichloromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Bromoform	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Bromomethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
2-Butanone	ND		ug/kg	13.0	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Carbon Disulfide	6.4		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Carbon Tetrachloride	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Chlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Chlorodibromomethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Chloroethane	ND		ug/kg	6.5	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Chloroform	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Chloromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,2-Dibromoethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,1-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,2-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,1-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,2-Dichloropropane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,4-Dioxane	ND		ug/kg	97.4	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Ethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Freon 113	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
2-Hexanone	ND		ug/kg	13.0	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Isopropylbenzene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Methyl acetate	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Methyl cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.0	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Methylene Chloride	12.9	3,4	ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489013**

Date Collected: 1/13/2014 13:30

Matrix: Solid

 Sample ID: **P30-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Tetrachloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Toluene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Trichloroethene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Trichlorofluoromethane	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Vinyl Chloride	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
o-Xylene	ND		ug/kg	2.6	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
mp-Xylene	ND		ug/kg	5.2	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	70.1		%	56-124	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
4-Bromofluorobenzene (S)	70.4		%	51-128	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Dibromofluoromethane (S)	77.2		%	62-123	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A
Toluene-d8 (S)	64		%	59-131	SW846 8260B	1/13/14	DD	1/21/14 09:03	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Acenaphthylene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Acetophenone	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Anthracene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Atrazine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Benzaldehyde	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Benzo(a)anthracene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Benzo(a)pyrene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Biphenyl	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Butylbenzylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Caprolactam	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Carbazole	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
4-Chloroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489013**
 Sample ID: **P30-B**

 Date Collected: 1/13/2014 13:30 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2-Chloronaphthalene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2-Chlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Chrysene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
mp-Cresol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
o-Cresol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Di-n-Butylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Di-n-Octylphthalate	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Dibenzofuran	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	194	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2,4-Dichlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Diethylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2,4-Dimethylphenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Dimethylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2,4-Dinitrophenol	ND		ug/kg	259	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Fluoranthene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Fluorene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Hexachlorobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Hexachlorobutadiene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Hexachloroethane	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Isophorone	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2-Methylnaphthalene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Naphthalene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
3-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
4-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Nitrobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2-Nitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
4-Nitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Pentachlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Phenanthrene	ND		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489013**

Date Collected: 1/13/2014 13:30

Matrix: Solid

 Sample ID: **P30-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Pyrene	133		ug/kg	64.8	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	84.9		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2-Fluorobiphenyl (S)	72.9		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
2-Fluorophenol (S)	74.1		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Nitrobenzene-d5 (S)	72.2		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Phenol-d5 (S)	68.3		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D
Terphenyl-d14 (S)	83.5		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 16:16	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Aroclor-1221	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Aroclor-1232	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Aroclor-1242	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Aroclor-1248	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Aroclor-1254	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Aroclor-1260	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Aroclor-1262	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Aroclor-1268	ND		mg/kg	0.043	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	53.7		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D
Tetrachloro-m-xylene (S)	97		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 21:56	RWS	D

WET CHEMISTRY

Moisture	23.6		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	76.4		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	12.3	SW846 6010C	1/16/14	AAM	1/17/14 03:56	SRT	D1
Barium, Total	22.5		mg/kg	6.2	SW846 6010C	1/16/14	AAM	1/17/14 03:56	SRT	D1
Cadmium, Total	ND		mg/kg	3.1	SW846 6010C	1/16/14	AAM	1/17/14 03:56	SRT	D1
Chromium, Total	18.2		mg/kg	6.2	SW846 6010C	1/16/14	AAM	1/17/14 03:56	SRT	D1
Lead, Total	ND		mg/kg	12.3	SW846 6010C	1/16/14	AAM	1/17/14 03:56	SRT	D1
Mercury, Total	ND		mg/kg	0.062	SW846 7471B	1/27/14	MNP	1/27/14 11:33	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489013**

Date Collected: 1/13/2014 13:30

Matrix: Solid

Sample ID: **P30-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	30.9	SW846 6010C	1/16/14 AAM	1/17/14 03:56	SRT	D1
Silver, Total	ND		mg/kg	3.1	SW846 6010C	1/16/14 AAM	1/17/14 03:56	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489014**

Date Collected: 1/13/2014 13:40

Matrix: Solid

 Sample ID: **P31-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	261		ug/kg	9.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Benzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Bromoform	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Bromomethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
2-Butanone	24.7		ug/kg	9.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Chloroethane	ND		ug/kg	4.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Chloroform	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Chloromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,4-Dioxane	ND		ug/kg	74.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Freon 113	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
2-Hexanone	ND		ug/kg	9.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Methyl acetate	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Methylene Chloride	3.7	5,6	ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489014**

Date Collected: 1/13/2014 13:40

Matrix: Solid

 Sample ID: **P31-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Tetrachloroethene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Toluene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Trichloroethene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
o-Xylene	ND		ug/kg	2.0	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
mp-Xylene	ND		ug/kg	3.9	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	76		%	56-124	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
4-Bromofluorobenzene (S)	95.9		%	51-128	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Dibromofluoromethane (S)	78.9		%	62-123	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A
Toluene-d8 (S)	80.5		%	59-131	SW846 8260B	1/13/14	DD	1/17/14 01:48	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Acenaphthylene	ND		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Acetophenone	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Anthracene	ND		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Atrazine	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Benzaldehyde	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Benzo(a)anthracene	211		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Benzo(a)pyrene	266		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Benzo(b)fluoranthene	474		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Benzo(g,h,i)perylene	234		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Benzo(k)fluoranthene	152		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Biphenyl	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Butylbenzylphthalate	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Caprolactam	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Carbazole	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
4-Chloroaniline	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489014**

Date Collected: 1/13/2014 13:40

Matrix: Solid

 Sample ID: **P31-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2-Chloronaphthalene	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2-Chlorophenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Chrysene	282		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
mp-Cresol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
o-Cresol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Di-n-Butylphthalate	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Di-n-Octylphthalate	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Dibenzo(a,h)anthracene	62.1		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Dibenzofuran	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	173	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2,4-Dichlorophenol	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Diethylphthalate	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2,4-Dimethylphenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Dimethylphthalate	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2,4-Dinitrophenol	ND		ug/kg	231	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Fluoranthene	302		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Fluorene	ND		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Hexachlorobenzene	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Hexachlorobutadiene	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Hexachloroethane	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Indeno(1,2,3-cd)pyrene	248		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Isophorone	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2-Methylnaphthalene	ND		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Naphthalene	ND		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2-Nitroaniline	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
3-Nitroaniline	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
4-Nitroaniline	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Nitrobenzene	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2-Nitrophenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
4-Nitrophenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Pentachlorophenol	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Phenanthrene	132		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489014**

Date Collected: 1/13/2014 13:40

Matrix: Solid

 Sample ID: **P31-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Pyrene	322		ug/kg	57.7	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	311	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	115	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	66		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2-Fluorobiphenyl (S)	65.6		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
2-Fluorophenol (S)	62.3		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Nitrobenzene-d5 (S)	59.6		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Phenol-d5 (S)	58.1		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D
Terphenyl-d14 (S)	75.5		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 16:41	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Aroclor-1221	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Aroclor-1232	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Aroclor-1242	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Aroclor-1248	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Aroclor-1254	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Aroclor-1260	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Aroclor-1262	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Aroclor-1268	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	49		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D
Tetrachloro-m-xylene (S)	52.6		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 22:50	RWS	D

WET CHEMISTRY

Moisture	14.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	85.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	12.8		mg/kg	11.0	SW846 6010C	1/16/14	AAM	1/17/14 04:00	SRT	D1
Barium, Total	56.9		mg/kg	5.5	SW846 6010C	1/16/14	AAM	1/17/14 04:00	SRT	D1
Cadmium, Total	ND		mg/kg	2.7	SW846 6010C	1/16/14	AAM	1/17/14 04:00	SRT	D1
Chromium, Total	95.7		mg/kg	5.5	SW846 6010C	1/16/14	AAM	1/17/14 04:00	SRT	D1
Lead, Total	161		mg/kg	11.0	SW846 6010C	1/16/14	AAM	1/17/14 04:00	SRT	D1
Mercury, Total	0.058		mg/kg	0.058	SW846 7471B	1/27/14	MNP	1/27/14 11:36	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489014**

Date Collected: 1/13/2014 13:40

Matrix: Solid

Sample ID: **P31-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	27.5	SW846 6010C	1/16/14	AAM	1/17/14 04:00	SRT	D1
Silver, Total	ND		mg/kg	2.7	SW846 6010C	1/16/14	AAM	1/17/14 04:00	SRT	D1

Sample Comments:


Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489015**

Date Collected: 1/13/2014 13:50

Matrix: Solid

Sample ID: **P31-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	21.5		ug/kg	11.1	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Benzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Bromoform	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Bromomethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
2-Butanone	ND		ug/kg	11.1	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Carbon Disulfide	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Chloroethane	ND		ug/kg	5.6	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Chloroform	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Chloromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,4-Dioxane	ND		ug/kg	83.3	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Freon 113	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
2-Hexanone	ND		ug/kg	11.1	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Methyl acetate	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Methyl cyclohexane	5.9		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.1	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Methylene Chloride	4.1	5,6	ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489015**

Date Collected: 1/13/2014 13:50

Matrix: Solid

 Sample ID: **P31-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Tetrachloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Toluene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Trichloroethene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Vinyl Chloride	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
o-Xylene	ND		ug/kg	2.2	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
mp-Xylene	ND		ug/kg	4.4	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	74.9		%	56-124	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
4-Bromofluorobenzene (S)	71.3		%	51-128	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Dibromofluoromethane (S)	79.4		%	62-123	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A
Toluene-d8 (S)	76.1		%	59-131	SW846 8260B	1/13/14	DD	1/17/14 02:11	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Acenaphthylene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Acetophenone	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Anthracene	148		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Atrazine	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Benzaldehyde	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Benzo(a)anthracene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Benzo(a)pyrene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Biphenyl	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Butylbenzylphthalate	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Caprolactam	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Carbazole	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
4-Chloroaniline	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489015**

Date Collected: 1/13/2014 13:50

Matrix: Solid

 Sample ID: **P31-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2-Chloronaphthalene	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2-Chlorophenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Chrysene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
mp-Cresol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
o-Cresol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Di-n-Butylphthalate	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Di-n-Octylphthalate	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Dibenzofuran	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	192	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2,4-Dichlorophenol	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Diethylphthalate	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2,4-Dimethylphenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Dimethylphthalate	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2,4-Dinitrophenol	ND		ug/kg	256	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Fluoranthene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Fluorene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Hexachlorobenzene	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Hexachlorobutadiene	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Hexachloroethane	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Isophorone	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2-Methylnaphthalene	481		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Naphthalene	ND		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2-Nitroaniline	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
3-Nitroaniline	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
4-Nitroaniline	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Nitrobenzene	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2-Nitrophenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
4-Nitrophenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Pentachlorophenol	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Phenanthrene	968		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489015**

Date Collected: 1/13/2014 13:50

Matrix: Solid

 Sample ID: **P31-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Pyrene	199		ug/kg	63.9	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	345	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	128	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	71.5		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2-Fluorobiphenyl (S)	64.1		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
2-Fluorophenol (S)	65.1		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Nitrobenzene-d5 (S)	60.5		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Phenol-d5 (S)	59.6		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D
Terphenyl-d14 (S)	71.8		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 17:05	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Aroclor-1221	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Aroclor-1232	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Aroclor-1242	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Aroclor-1248	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Aroclor-1254	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Aroclor-1260	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Aroclor-1262	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Aroclor-1268	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	56.9		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D
Tetrachloro-m-xylene (S)	70.3		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 23:08	RWS	D

WET CHEMISTRY

Moisture	23.6		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	76.4		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	12.6	SW846 6010C	1/16/14	AAM	1/17/14 04:13	SRT	D1
Barium, Total	25.2		mg/kg	6.3	SW846 6010C	1/16/14	AAM	1/17/14 04:13	SRT	D1
Cadmium, Total	ND		mg/kg	3.1	SW846 6010C	1/16/14	AAM	1/17/14 04:13	SRT	D1
Chromium, Total	15.8		mg/kg	6.3	SW846 6010C	1/16/14	AAM	1/17/14 04:13	SRT	D1
Lead, Total	ND		mg/kg	12.6	SW846 6010C	1/16/14	AAM	1/17/14 04:13	SRT	D1
Mercury, Total	ND		mg/kg	0.064	SW846 7471B	1/27/14	MNP	1/27/14 11:37	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489015**

Date Collected: 1/13/2014 13:50

Matrix: Solid

Sample ID: **P31-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	31.4	SW846 6010C	1/16/14 AAM	1/17/14 04:13	SRT	D1
Silver, Total	ND		mg/kg	3.1	SW846 6010C	1/16/14 AAM	1/17/14 04:13	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489016**

Date Collected: 1/13/2014 14:10

Matrix: Solid

 Sample ID: **P32-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	16.9	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Acetone	ND		ug/kg	807	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Benzene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Benzene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Bromochloromethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Bromochloromethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Bromodichloromethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Bromodichloromethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Bromoform	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Bromoform	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Bromomethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Bromomethane	107		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
2-Butanone	ND		ug/kg	16.9	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
2-Butanone	ND		ug/kg	807	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Carbon Disulfide	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Carbon Disulfide	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Carbon Tetrachloride	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Carbon Tetrachloride	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Chlorobenzene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Chlorobenzene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Chlorodibromomethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Chlorodibromomethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Chloroethane	ND		ug/kg	8.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Chloroethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Chloroform	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Chloroform	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Chloromethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Chloromethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Cyclohexane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Cyclohexane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	565	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,2-Dibromoethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,2-Dibromoethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,2-Dichlorobenzene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,2-Dichlorobenzene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,3-Dichlorobenzene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,3-Dichlorobenzene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,4-Dichlorobenzene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A

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 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489016**

Date Collected: 1/13/2014 14:10

Matrix: Solid

 Sample ID: **P32-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,4-Dichlorobenzene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Dichlorodifluoromethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Dichlorodifluoromethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,1-Dichloroethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,1-Dichloroethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,2-Dichloroethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,2-Dichloroethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,1-Dichloroethene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,1-Dichloroethene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
cis-1,2-Dichloroethene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
trans-1,2-Dichloroethene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,2-Dichloropropane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,2-Dichloropropane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
cis-1,3-Dichloropropene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
trans-1,3-Dichloropropene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,4-Dioxane	ND		ug/kg	127	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,4-Dioxane	ND		ug/kg	25800	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Ethylbenzene	204		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Ethylbenzene	1750		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Freon 113	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Freon 113	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
2-Hexanone	ND		ug/kg	16.9	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
2-Hexanone	ND		ug/kg	403	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Isopropylbenzene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Isopropylbenzene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Methyl acetate	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Methyl acetate	213	7	ug/kg	161	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Methyl cyclohexane	4.0		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Methyl cyclohexane	174		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Methyl t-Butyl Ether	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Methyl t-Butyl Ether	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	16.9	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	403	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Methylene Chloride	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Methylene Chloride	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Styrene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A

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 Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489016**

Date Collected: 1/13/2014 14:10

Matrix: Solid

 Sample ID: **P32-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Tetrachloroethene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Tetrachloroethene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Toluene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Toluene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,2,3-Trichlorobenzene	ND		ug/kg	8.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	161	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,2,4-Trichlorobenzene	ND		ug/kg	8.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	161	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,1,1-Trichloroethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,1,1-Trichloroethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
1,1,2-Trichloroethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
1,1,2-Trichloroethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Trichloroethene	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Trichloroethene	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Trichlorofluoromethane	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Trichlorofluoromethane	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Vinyl Chloride	ND		ug/kg	3.4	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Vinyl Chloride	ND		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
o-Xylene	2390		ug/kg	80.7	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
mp-Xylene	7520		ug/kg	161	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	101		%	71-146	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
4-Bromofluorobenzene (S)	107		%	46-138	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Dibromofluoromethane (S)	98.1		%	42-143	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
Toluene-d8 (S)	115		%	54-141	SW846 8260B	1/13/14	GLQ	1/22/14 06:47	GLQ	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	71.8		%	56-124	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
4-Bromofluorobenzene (S)	99.2		%	51-128	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Dibromofluoromethane (S)	79.3		%	62-123	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
Toluene-d8 (S)	80.8		%	59-131	SW846 8260B	1/13/14	DD	1/17/14 02:34	DD	A
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Acenaphthylene	ND		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Acetophenone	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Anthracene	ND		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Atrazine	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489016**

Date Collected: 1/13/2014 14:10

Matrix: Solid

Sample ID: **P32-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Benzaldehyde	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Benzo(a)anthracene	88.1		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Benzo(a)pyrene	117		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Benzo(b)fluoranthene	205		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Benzo(g,h,i)perylene	109		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Benzo(k)fluoranthene	59.8		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Biphenyl	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Butylbenzylphthalate	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Caprolactam	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Carbazole	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
4-Chloroaniline	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
bis(2-Chloroisopropyl)ether	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2-Chloronaphthalene	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2-Chlorophenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Chrysene	116		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
mp-Cresol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
o-Cresol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Di-n-Butylphthalate	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Di-n-Octylphthalate	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Dibenzofuran	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	176	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2,4-Dichlorophenol	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Diethylphthalate	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2,4-Dimethylphenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Dimethylphthalate	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2,4-Dinitrophenol	ND		ug/kg	235	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Fluoranthene	106		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Fluorene	ND		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Hexachlorobenzene	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Hexachlorobutadiene	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Hexachloroethane	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489016**

Date Collected: 1/13/2014 14:10

Matrix: Solid

Sample ID: **P32-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Indeno(1,2,3-cd)pyrene	119		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Isophorone	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2-Methylnaphthalene	ND		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Naphthalene	70.8		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2-Nitroaniline	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
3-Nitroaniline	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
4-Nitroaniline	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Nitrobenzene	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2-Nitrophenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
4-Nitrophenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Pentachlorophenol	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Phenanthrene	ND		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Phenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Pyrene	122		ug/kg	58.8	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	318	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	118	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	75.2		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2-Fluorobiphenyl (S)	68.9		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
2-Fluorophenol (S)	68.8		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Nitrobenzene-d5 (S)	61.8		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Phenol-d5 (S)	63.6		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
Terphenyl-d14 (S)	80.9		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 17:29	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Aroclor-1260	0.22		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489016**
 Sample ID: **P32-A**

 Date Collected: 1/13/2014 14:10 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Decachlorobiphenyl (S)	72.7		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D
Tetrachloro-m-xylene (S)	80.8		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 23:26	RWS	D

WET CHEMISTRY

Moisture	15.8		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	84.2		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	10.4	SW846 6010C	1/16/14	AAM	1/17/14 04:17	SRT	D1
Barium, Total	93.4		mg/kg	5.2	SW846 6010C	1/16/14	AAM	1/17/14 04:17	SRT	D1
Cadmium, Total	ND		mg/kg	2.6	SW846 6010C	1/16/14	AAM	1/17/14 04:17	SRT	D1
Chromium, Total	13.6		mg/kg	5.2	SW846 6010C	1/16/14	AAM	1/17/14 04:17	SRT	D1
Lead, Total	102		mg/kg	10.4	SW846 6010C	1/16/14	AAM	1/17/14 04:17	SRT	D1
Mercury, Total	ND		mg/kg	0.058	SW846 7471B	1/27/14	MNP	1/27/14 11:38	MNP	D2
Selenium, Total	ND		mg/kg	26.0	SW846 6010C	1/16/14	AAM	1/17/14 04:17	SRT	D1
Silver, Total	ND		mg/kg	2.6	SW846 6010C	1/16/14	AAM	1/17/14 04:17	SRT	D1

Sample Comments:

Vicki Forney
 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489017**
 Sample ID: **P32-B**

 Date Collected: 1/13/2014 14:20
 Date Received: 1/15/2014 22:00

Matrix: Solid

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	18.7		ug/kg	13.4	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Benzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Bromochloromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Bromodichloromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Bromoform	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Bromomethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
2-Butanone	ND		ug/kg	13.4	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Carbon Disulfide	5.3		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Carbon Tetrachloride	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Chlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Chlorodibromomethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Chloroethane	ND		ug/kg	6.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Chloroform	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Chloromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Cyclohexane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,2-Dibromoethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,1-Dichloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,2-Dichloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,1-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,2-Dichloropropane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,4-Dioxane	ND		ug/kg	101	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Ethylbenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Freon 113	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
2-Hexanone	ND		ug/kg	13.4	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Isopropylbenzene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Methyl acetate	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Methyl cyclohexane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.4	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Methylene Chloride	2.9	5,6	ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489017**

Date Collected: 1/13/2014 14:20

Matrix: Solid

Sample ID: **P32-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Tetrachloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Toluene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Trichloroethene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Trichlorofluoromethane	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Vinyl Chloride	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
o-Xylene	ND		ug/kg	2.7	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
mp-Xylene	ND		ug/kg	5.4	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.4		%	56-124	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
4-Bromofluorobenzene (S)	94.7		%	51-128	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Dibromofluoromethane (S)	78.3		%	62-123	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A
Toluene-d8 (S)	80.9		%	59-131	SW846 8260B	1/13/14	DD	1/17/14 02:57	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Acenaphthylene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Acetophenone	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Anthracene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Atrazine	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Benzaldehyde	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Benzo(a)anthracene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Benzo(a)pyrene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Biphenyl	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Butylbenzylphthalate	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Caprolactam	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Carbazole	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
4-Chloroaniline	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489017**

Date Collected: 1/13/2014 14:20

Matrix: Solid

 Sample ID: **P32-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2-Chloronaphthalene	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2-Chlorophenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Chrysene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
mp-Cresol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
o-Cresol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Di-n-Butylphthalate	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Di-n-Octylphthalate	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Dibenzofuran	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	202	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2,4-Dichlorophenol	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Diethylphthalate	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2,4-Dimethylphenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Dimethylphthalate	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2,4-Dinitrophenol	ND		ug/kg	269	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Fluoranthene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Fluorene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Hexachlorobenzene	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Hexachlorobutadiene	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Hexachloroethane	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Isophorone	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2-Methylnaphthalene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Naphthalene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2-Nitroaniline	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
3-Nitroaniline	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
4-Nitroaniline	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Nitrobenzene	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2-Nitrophenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
4-Nitrophenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Pentachlorophenol	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Phenanthrene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489017**

Date Collected: 1/13/2014 14:20

Matrix: Solid

 Sample ID: **P32-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Pyrene	ND		ug/kg	67.3	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	363	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	135	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	76.5		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2-Fluorobiphenyl (S)	70.2		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
2-Fluorophenol (S)	74.2		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Nitrobenzene-d5 (S)	64.5		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Phenol-d5 (S)	68.5		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
Terphenyl-d14 (S)	84.6		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 17:54	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Aroclor-1221	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Aroclor-1232	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Aroclor-1242	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Aroclor-1248	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Aroclor-1254	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Aroclor-1260	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Aroclor-1262	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Aroclor-1268	ND		mg/kg	0.044	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	68.9		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
Tetrachloro-m-xylene (S)	79.9		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 23:44	RWS	D
WET CHEMISTRY										
Moisture	25.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	74.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	12.7	SW846 6010C	1/16/14	AAM	1/17/14 04:21	SRT	D1
Barium, Total	40.6		mg/kg	6.4	SW846 6010C	1/16/14	AAM	1/17/14 04:21	SRT	D1
Cadmium, Total	ND		mg/kg	3.2	SW846 6010C	1/16/14	AAM	1/17/14 04:21	SRT	D1
Chromium, Total	18.1		mg/kg	6.4	SW846 6010C	1/16/14	AAM	1/17/14 04:21	SRT	D1
Lead, Total	14.8		mg/kg	12.7	SW846 6010C	1/16/14	AAM	1/17/14 04:21	SRT	D1
Mercury, Total	ND		mg/kg	0.059	SW846 7471B	1/27/14	MNP	1/27/14 11:39	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489017**

Date Collected: 1/13/2014 14:20

Matrix: Solid

Sample ID: **P32-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	31.8	SW846 6010C	1/16/14	AAM	1/17/14 04:21	SRT	D1
Silver, Total	ND		mg/kg	3.2	SW846 6010C	1/16/14	AAM	1/17/14 04:21	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489018**

Date Collected: 1/13/2014 14:30

Matrix: Solid

 Sample ID: **P33-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	25.5		ug/kg	9.5	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Benzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Bromochloromethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Bromodichloromethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Bromoform	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Bromomethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
2-Butanone	ND		ug/kg	9.5	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Carbon Disulfide	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Carbon Tetrachloride	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Chlorobenzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Chlorodibromomethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Chloroethane	ND		ug/kg	4.8	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Chloroform	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Chloromethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Cyclohexane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.8	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,2-Dibromoethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,2-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,3-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,4-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Dichlorodifluoromethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,1-Dichloroethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,2-Dichloroethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,1-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,2-Dichloropropane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,4-Dioxane	ND		ug/kg	71.5	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Ethylbenzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Freon 113	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
2-Hexanone	ND		ug/kg	9.5	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Isopropylbenzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Methyl acetate	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Methyl cyclohexane	5.6		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Methyl t-Butyl Ether	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.5	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Methylene Chloride	6.0	5,6	ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489018**
 Sample ID: **P33-A**

 Date Collected: 1/13/2014 14:30 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Styrene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Tetrachloroethene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Toluene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.8	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.8	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,1,1-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,1,2-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Trichloroethene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Trichlorofluoromethane	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Vinyl Chloride	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
o-Xylene	ND		ug/kg	1.9	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
mp-Xylene	ND		ug/kg	3.8	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	72.8		%	56-124	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
4-Bromofluorobenzene (S)	54.9		%	51-128	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Dibromofluoromethane (S)	75.5		%	62-123	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A
Toluene-d8 (S)	72.6		%	59-131	SW846 8260B	1/13/14	DD	1/17/14 09:06	DD	A

WET CHEMISTRY

Moisture	11.6	%	0.1	S2540G-97	1/16/14 06:04	ECI	A
Total Solids	88.4	%	0.1	S2540G-97	1/16/14 06:04	ECI	A

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489019**

Date Collected: 1/13/2014 14:50

Matrix: Solid

 Sample ID: **P34-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	561	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Benzene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Bromochloromethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Bromodichloromethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Bromoform	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Bromomethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
2-Butanone	ND		ug/kg	561	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Carbon Disulfide	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Carbon Tetrachloride	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Chlorobenzene	439		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Chlorodibromomethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Chloroethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Chloroform	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Chloromethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Cyclohexane	75.2		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,2-Dibromo-3-chloropropane	ND		ug/kg	393	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,2-Dibromoethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,2-Dichlorobenzene	62.9		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,3-Dichlorobenzene	191		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,4-Dichlorobenzene	701		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Dichlorodifluoromethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,1-Dichloroethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,2-Dichloroethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,1-Dichloroethene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
cis-1,2-Dichloroethene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
trans-1,2-Dichloroethene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,2-Dichloropropane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
cis-1,3-Dichloropropene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
trans-1,3-Dichloropropene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,4-Dioxane	ND		ug/kg	18000	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Ethylbenzene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Freon 113	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
2-Hexanone	ND		ug/kg	281	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Isopropylbenzene	283		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Methyl acetate	ND		ug/kg	112	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Methyl cyclohexane	888		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Methyl t-Butyl Ether	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	281	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Methylene Chloride	102		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489019**

Date Collected: 1/13/2014 14:50

Matrix: Solid

 Sample ID: **P34-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,1,2,2-Tetrachloroethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Tetrachloroethene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Toluene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,2,3-Trichlorobenzene	ND		ug/kg	112	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,2,4-Trichlorobenzene	ND		ug/kg	112	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,1,1-Trichloroethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
1,1,2-Trichloroethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Trichloroethene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Trichlorofluoromethane	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Vinyl Chloride	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
o-Xylene	ND		ug/kg	56.1	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
mp-Xylene	ND		ug/kg	112	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	108		%	71-146	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
4-Bromofluorobenzene (S)	136		%	46-138	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Dibromofluoromethane (S)	116		%	42-143	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C
Toluene-d8 (S)	132		%	54-141	SW846 8260B	1/13/14	JAH	1/18/14 05:59	DD	C

SEMIVOLATILES

Acenaphthene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Acenaphthylene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Acetophenone	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Anthracene	257		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Atrazine	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Benzaldehyde	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Benzo(a)anthracene	69.9		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Benzo(a)pyrene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Biphenyl	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Butylbenzylphthalate	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Caprolactam	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Carbazole	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
4-Chloroaniline	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489019**

Date Collected: 1/13/2014 14:50

Matrix: Solid

 Sample ID: **P34-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2-Chloronaphthalene	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2-Chlorophenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Chrysene	101		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
mp-Cresol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
o-Cresol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Di-n-Butylphthalate	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Di-n-Octylphthalate	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Dibenzofuran	401		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	187	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2,4-Dichlorophenol	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Diethylphthalate	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2,4-Dimethylphenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Dimethylphthalate	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2,4-Dinitrophenol	ND		ug/kg	250	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Fluoranthene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Fluorene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Hexachlorobenzene	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Hexachlorobutadiene	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Hexachloroethane	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Isophorone	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2-Methylnaphthalene	4310		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Naphthalene	201		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2-Nitroaniline	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
3-Nitroaniline	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
4-Nitroaniline	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Nitrobenzene	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2-Nitrophenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
4-Nitrophenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Pentachlorophenol	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Phenanthrene	1860		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489019**

Date Collected: 1/13/2014 14:50

Matrix: Solid

Sample ID: **P34-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Pyrene	358		ug/kg	62.5	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	337	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	125	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	68.2		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2-Fluorobiphenyl (S)	59.7		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
2-Fluorophenol (S)	60.7		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Nitrobenzene-d5 (S)	64.7		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Phenol-d5 (S)	56.2		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D
Terphenyl-d14 (S)	69.4		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 18:18	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Aroclor-1221	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Aroclor-1232	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Aroclor-1242	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Aroclor-1248	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Aroclor-1254	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Aroclor-1260	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Aroclor-1262	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Aroclor-1268	ND		mg/kg	0.041	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	53.8		%	46-120	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D
Tetrachloro-m-xylene (S)	68.4		%	52-115	SW846 8082A	1/20/14	JJP	1/21/14 04:11	RWS	D

WET CHEMISTRY

Moisture	21.0		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	79.0		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	12.7	SW846 6010C	1/16/14	AAM	1/17/14 04:25	SRT	D1
Barium, Total	26.2		mg/kg	6.3	SW846 6010C	1/16/14	AAM	1/17/14 04:25	SRT	D1
Cadmium, Total	ND		mg/kg	3.2	SW846 6010C	1/16/14	AAM	1/17/14 04:25	SRT	D1
Chromium, Total	11.9		mg/kg	6.3	SW846 6010C	1/16/14	AAM	1/17/14 04:25	SRT	D1
Lead, Total	31.9		mg/kg	12.7	SW846 6010C	1/16/14	AAM	1/17/14 04:25	SRT	D1
Mercury, Total	ND		mg/kg	0.056	SW846 7471B	1/27/14	MNP	1/27/14 11:40	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489019**

Date Collected: 1/13/2014 14:50

Matrix: Solid

Sample ID: **P34-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	31.7	SW846 6010C	1/16/14	AAM	1/17/14 04:25	SRT	D1
Silver, Total	ND		mg/kg	3.2	SW846 6010C	1/16/14	AAM	1/17/14 04:25	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489020**
 Sample ID: **DUP 3**

 Date Collected: 1/13/2014 15:00 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	464	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Benzene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Bromochloromethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Bromodichloromethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Bromoform	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Bromomethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
2-Butanone	ND		ug/kg	464	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Carbon Disulfide	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Carbon Tetrachloride	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Chlorobenzene	358		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Chlorodibromomethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Chloroethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Chloroform	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Chloromethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Cyclohexane	47.5		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,2-Dibromo-3-chloropropane	ND		ug/kg	324	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,2-Dibromoethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,2-Dichlorobenzene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,3-Dichlorobenzene	123		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,4-Dichlorobenzene	482		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Dichlorodifluoromethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,1-Dichloroethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,2-Dichloroethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,1-Dichloroethene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
cis-1,2-Dichloroethene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
trans-1,2-Dichloroethene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,2-Dichloropropane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
cis-1,3-Dichloropropene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
trans-1,3-Dichloropropene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,4-Dioxane	ND		ug/kg	14800	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Ethylbenzene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Freon 113	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
2-Hexanone	ND		ug/kg	232	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Isopropylbenzene	162		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Methyl acetate	ND		ug/kg	92.7	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Methyl cyclohexane	614		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Methyl t-Butyl Ether	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	232	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Methylene Chloride	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489020**
 Sample ID: **DUP 3**

 Date Collected: 1/13/2014 15:00 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,1,2,2-Tetrachloroethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Tetrachloroethene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Toluene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,2,3-Trichlorobenzene	ND		ug/kg	92.7	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,2,4-Trichlorobenzene	ND		ug/kg	92.7	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,1,1-Trichloroethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
1,1,2-Trichloroethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Trichloroethene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Trichlorofluoromethane	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Vinyl Chloride	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
o-Xylene	ND		ug/kg	46.4	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
mp-Xylene	ND		ug/kg	92.7	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	94.7		%	71-146	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
4-Bromofluorobenzene (S)	115		%	46-138	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Dibromofluoromethane (S)	104		%	42-143	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C
Toluene-d8 (S)	114		%	54-141	SW846 8260B	1/13/14	JAH	1/18/14 06:29	DD	C

SEMIVOLATILES

Acenaphthene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Acenaphthylene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Acetophenone	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Anthracene	259		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Atrazine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Benzaldehyde	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Benzo(a)anthracene	126		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Benzo(a)pyrene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Benzo(b)fluoranthene	91.3		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Biphenyl	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Butylbenzylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Caprolactam	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Carbazole	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
4-Chloroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D

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 Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489020**

Date Collected: 1/13/2014 15:00

Matrix: Solid

Sample ID: **DUP 3**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2-Chloronaphthalene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2-Chlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Chrysene	164		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
mp-Cresol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
o-Cresol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Di-n-Butylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Di-n-Octylphthalate	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Dibenzofuran	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	195	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2,4-Dichlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Diethylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2,4-Dimethylphenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Dimethylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2,4-Dinitrophenol	ND		ug/kg	259	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Fluoranthene	220		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Fluorene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Hexachlorobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Hexachlorobutadiene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Hexachloroethane	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Isophorone	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2-Methylnaphthalene	3570		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Naphthalene	198		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
3-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
4-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Nitrobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2-Nitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
4-Nitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Pentachlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Phenanthrene	2050		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489020**

Date Collected: 1/13/2014 15:00

Matrix: Solid

 Sample ID: **DUP 3**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Pyrene	468		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	80		%	37-123	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2-Fluorobiphenyl (S)	71.6		%	45-105	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
2-Fluorophenol (S)	67		%	35-104	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Nitrobenzene-d5 (S)	69.4		%	41-110	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Phenol-d5 (S)	61.8		%	40-100	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D
Terphenyl-d14 (S)	80.8		%	38-113	SW846 8270D	1/17/14	MMM	1/17/14 18:43	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Aroclor-1221	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Aroclor-1232	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Aroclor-1242	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Aroclor-1248	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Aroclor-1254	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Aroclor-1260	0.061		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Aroclor-1262	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Aroclor-1268	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	70.8		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D
Tetrachloro-m-xylene (S)	76.5		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 16:20	RWS	D

WET CHEMISTRY

Moisture	23.2		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	76.8		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	11.8	SW846 6010C	1/16/14	AAM	1/17/14 04:29	SRT	D1
Barium, Total	9.0		mg/kg	5.9	SW846 6010C	1/16/14	AAM	1/17/14 04:29	SRT	D1
Cadmium, Total	ND		mg/kg	3.0	SW846 6010C	1/16/14	AAM	1/17/14 04:29	SRT	D1
Chromium, Total	6.6		mg/kg	5.9	SW846 6010C	1/16/14	AAM	1/17/14 04:29	SRT	D1
Lead, Total	ND		mg/kg	11.8	SW846 6010C	1/16/14	AAM	1/17/14 04:29	SRT	D1
Mercury, Total	ND		mg/kg	0.060	SW846 7471B	1/27/14	MNP	1/27/14 11:41	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489020**

Date Collected: 1/13/2014 15:00

Matrix: Solid

Sample ID: **DUP 3**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	29.6	SW846 6010C	1/16/14 AAM	1/17/14 04:29	SRT	D1
Silver, Total	ND		mg/kg	3.0	SW846 6010C	1/16/14 AAM	1/17/14 04:29	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489021**

Date Collected: 1/13/2014 15:10

Matrix: Solid

 Sample ID: **P35-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	519	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Benzene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Bromochloromethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Bromodichloromethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Bromoform	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Bromomethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
2-Butanone	ND		ug/kg	519	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Carbon Disulfide	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Carbon Tetrachloride	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Chlorobenzene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Chlorodibromomethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Chloroethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Chloroform	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Chloromethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Cyclohexane	67.7		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,2-Dibromo-3-chloropropane	ND		ug/kg	364	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,2-Dibromoethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,2-Dichlorobenzene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,3-Dichlorobenzene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,4-Dichlorobenzene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Dichlorodifluoromethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,1-Dichloroethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,2-Dichloroethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,1-Dichloroethene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
cis-1,2-Dichloroethene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
trans-1,2-Dichloroethene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,2-Dichloropropane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
cis-1,3-Dichloropropene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
trans-1,3-Dichloropropene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,4-Dioxane	ND		ug/kg	16600	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Ethylbenzene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Freon 113	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
2-Hexanone	ND		ug/kg	260	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Isopropylbenzene	167		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Methyl acetate	ND		ug/kg	104	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Methyl cyclohexane	788		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Methyl t-Butyl Ether	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	260	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Methylene Chloride	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489021**

Date Collected: 1/13/2014 15:10

Matrix: Solid

Sample ID: **P35-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,1,2,2-Tetrachloroethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Tetrachloroethene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Toluene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,2,3-Trichlorobenzene	ND		ug/kg	104	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,2,4-Trichlorobenzene	ND		ug/kg	104	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,1,1-Trichloroethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
1,1,2-Trichloroethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Trichloroethene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Trichlorofluoromethane	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Vinyl Chloride	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
o-Xylene	ND		ug/kg	51.9	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
mp-Xylene	ND		ug/kg	104	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	112		%	71-146	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
4-Bromofluorobenzene (S)	106		%	46-138	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Dibromofluoromethane (S)	111		%	42-143	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C
Toluene-d8 (S)	123		%	54-141	SW846 8260B	1/13/14	JAH	1/18/14 06:58	DD	C

WET CHEMISTRY

Moisture	24.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	75.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

Sample Comments:


Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: 1067489022
Sample ID: P36-A

Date Collected: 1/13/2014 15:20 Matrix: Solid
Date Received: 1/15/2014 22:00

Table with 11 columns: Parameters, Results, Flag, Units, RDL, Method, Prepared, By, Analyzed, By, Cntr. It lists various volatile organic compounds and their detection results.

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489022**

Date Collected: 1/13/2014 15:20

Matrix: Solid

 Sample ID: **P36-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
1,1,2,2-Tetrachloroethane	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
Tetrachloroethene	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
Toluene	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
1,2,3-Trichlorobenzene	ND		ug/kg	100	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
1,2,4-Trichlorobenzene	ND		ug/kg	100	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
1,1,1-Trichloroethane	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
1,1,2-Trichloroethane	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
Trichloroethene	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
Trichlorofluoromethane	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
Vinyl Chloride	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
o-Xylene	ND		ug/kg	50.1	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
mp-Xylene	ND		ug/kg	100	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	103		%	71-146	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
4-Bromofluorobenzene (S)	105		%	46-138	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
Dibromofluoromethane (S)	112		%	42-143	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
Toluene-d8 (S)	120		%	54-141	SW846 8260B	1/13/14	JAH	1/18/14 07:28	DD	C
1,2-Dichloroethane-d4 (S)	97.5		%	71-146	SW846 8260B	1/13/14	GLQ	1/22/14 03:51	GLQ	C
4-Bromofluorobenzene (S)	102		%	46-138	SW846 8260B	1/13/14	GLQ	1/22/14 03:51	GLQ	C
Dibromofluoromethane (S)	96.5		%	42-143	SW846 8260B	1/13/14	GLQ	1/22/14 03:51	GLQ	C
Toluene-d8 (S)	110		%	54-141	SW846 8260B	1/13/14	GLQ	1/22/14 03:51	GLQ	C

WET CHEMISTRY

Moisture	10.4	%	0.1	S2540G-97	1/16/14 06:04	ECI	A
Total Solids	89.6	%	0.1	S2540G-97	1/16/14 06:04	ECI	A

Sample Comments:


Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489023**

Date Collected: 1/14/2014 08:50

Matrix: Solid

 Sample ID: **P37-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	17.9		ug/kg	11.0	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Benzene	ND	8	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Bromochloromethane	ND	9	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Bromodichloromethane	ND	10	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Bromoform	ND	11	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Bromomethane	ND	12	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
2-Butanone	ND		ug/kg	11.0	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Carbon Disulfide	ND	13	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Carbon Tetrachloride	ND	14	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Chlorobenzene	ND	15	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Chlorodibromomethane	ND	16	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Chloroethane	ND		ug/kg	5.5	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Chloroform	ND	17	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Chloromethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Cyclohexane	ND	18	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,2-Dibromoethane	ND	19	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,2-Dichlorobenzene	ND	20	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,3-Dichlorobenzene	ND	21	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,4-Dichlorobenzene	ND	22	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,1-Dichloroethane	ND	23	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,2-Dichloroethane	ND	24	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,1-Dichloroethene	ND	25	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
cis-1,2-Dichloroethene	ND	26	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
trans-1,2-Dichloroethene	ND	27	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,2-Dichloropropane	ND	28	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
cis-1,3-Dichloropropene	ND	29	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
trans-1,3-Dichloropropene	ND	30	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,4-Dioxane	ND		ug/kg	82.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Ethylbenzene	ND	31	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Freon 113	2.6		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
2-Hexanone	ND		ug/kg	11.0	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Isopropylbenzene	ND	32	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Methyl acetate	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Methyl cyclohexane	ND	33	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.0	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Methylene Chloride	6.0	5,6	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489023**

Date Collected: 1/14/2014 08:50

Matrix: Solid

 Sample ID: **P37-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Styrene	ND	34	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Tetrachloroethene	ND	35	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Toluene	ND	36	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,1,1-Trichloroethane	ND	37	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,1,2-Trichloroethane	ND	38	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Trichloroethene	ND	39	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,2,4-Trimethylbenzene	ND	40	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
1,3,5-Trimethylbenzene	ND	41	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Vinyl Chloride	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
o-Xylene	ND	42	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
mp-Xylene	ND	43	ug/kg	4.4	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	73.6		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
4-Bromofluorobenzene (S)	93.1		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Dibromofluoromethane (S)	78.3		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A
Toluene-d8 (S)	80.3		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 03:20	DD	A

WET CHEMISTRY

Moisture	25.7	%	0.1	S2540G-97	1/16/14 06:04	ECI	A
Total Solids	74.3	%	0.1	S2540G-97	1/16/14 06:04	ECI	A

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489024**

Date Collected: 1/14/2014 09:00

Matrix: Solid

 Sample ID: **P38-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	41.3		ug/kg	11.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Benzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Bromochloromethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Bromodichloromethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Bromoform	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Bromomethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
2-Butanone	ND		ug/kg	11.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Carbon Disulfide	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Carbon Tetrachloride	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Chlorobenzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Chlorodibromomethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Chloroethane	ND		ug/kg	5.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Chloroform	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Chloromethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Cyclohexane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,2-Dibromoethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,1-Dichloroethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,2-Dichloroethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,1-Dichloroethene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,2-Dichloropropane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,4-Dioxane	ND		ug/kg	88.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Ethylbenzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Freon 113	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
2-Hexanone	ND		ug/kg	11.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Isopropylbenzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Methyl acetate	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Methyl cyclohexane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Methylene Chloride	5.1	5,6	ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489024**

Date Collected: 1/14/2014 09:00

Matrix: Solid

 Sample ID: **P38-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Styrene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Tetrachloroethene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Toluene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Trichloroethene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Trichlorofluoromethane	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Vinyl Chloride	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
o-Xylene	ND		ug/kg	2.4	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
mp-Xylene	ND		ug/kg	4.7	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	72.2		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
4-Bromofluorobenzene (S)	95.7		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Dibromofluoromethane (S)	79.1		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A
Toluene-d8 (S)	81.5		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 03:43	DD	A

WET CHEMISTRY

Moisture	24.1	%	0.1	S2540G-97	1/16/14 06:04	ECI	A
Total Solids	75.9	%	0.1	S2540G-97	1/16/14 06:04	ECI	A

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489025**

Date Collected: 1/14/2014 09:20

Matrix: Solid

 Sample ID: **P39-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	9.9	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Benzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Bromoform	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Bromomethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
2-Butanone	ND		ug/kg	9.9	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Chloroethane	ND		ug/kg	5.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Chloroform	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Chloromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,4-Dioxane	ND		ug/kg	74.4	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Freon 113	3.4		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
2-Hexanone	ND		ug/kg	9.9	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Methyl acetate	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.9	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Methylene Chloride	3.4	5,6	ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489025**

Date Collected: 1/14/2014 09:20

Matrix: Solid

 Sample ID: **P39-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Styrene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Tetrachloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Toluene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Trichloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
o-Xylene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
mp-Xylene	ND		ug/kg	4.0	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	73.8		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
4-Bromofluorobenzene (S)	95.5		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Dibromofluoromethane (S)	79.1		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A
Toluene-d8 (S)	79.7		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 04:06	DD	A

WET CHEMISTRY

Moisture	15.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	84.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489026**

Date Collected: 1/14/2014 10:10

Matrix: Solid

 Sample ID: **P42-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	10.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Benzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Bromoform	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Bromomethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
2-Butanone	ND		ug/kg	10.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Chloroethane	ND		ug/kg	5.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Chloroform	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Chloromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,4-Dioxane	ND		ug/kg	75.3	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Freon 113	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
2-Hexanone	ND		ug/kg	10.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Methyl acetate	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	10.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Methylene Chloride	ND	5,6	ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489026**

Date Collected: 1/14/2014 10:10

Matrix: Solid

 Sample ID: **P42-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Styrene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Tetrachloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Toluene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Trichloroethene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
o-Xylene	ND		ug/kg	2.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
mp-Xylene	ND		ug/kg	4.0	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	72.6		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
4-Bromofluorobenzene (S)	93.9		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Dibromofluoromethane (S)	76.9		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A
Toluene-d8 (S)	78.6		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 04:29	DD	A

WET CHEMISTRY

Moisture	19.6	%	0.1	S2540G-97	1/16/14 06:04	ECI	A
Total Solids	80.4	%	0.1	S2540G-97	1/16/14 06:04	ECI	A

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489027**

Date Collected: 1/14/2014 12:20

Matrix: Solid

 Sample ID: **P47-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	19.6		ug/kg	13.1	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Benzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Bromochloromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Bromodichloromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Bromoform	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Bromomethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
2-Butanone	ND		ug/kg	13.1	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Carbon Disulfide	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Carbon Tetrachloride	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Chlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Chlorodibromomethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Chloroethane	ND		ug/kg	6.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Chloroform	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Chloromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,2-Dibromoethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,1-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,2-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,1-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,2-Dichloropropane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,4-Dioxane	ND		ug/kg	98.5	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Ethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Freon 113	19.2		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
2-Hexanone	ND		ug/kg	13.1	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Isopropylbenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Methyl acetate	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Methyl cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.1	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Methylene Chloride	5.7	5,6	ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489027**

Date Collected: 1/14/2014 12:20

Matrix: Solid

Sample ID: **P47-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Tetrachloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Toluene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Trichloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Trichlorofluoromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Vinyl Chloride	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
o-Xylene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
mp-Xylene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	73.5		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
4-Bromofluorobenzene (S)	93.2		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Dibromofluoromethane (S)	78.7		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A
Toluene-d8 (S)	80.7		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 04:52	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Acenaphthylene	ND		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Acetophenone	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Anthracene	144		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Atrazine	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Benzaldehyde	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Benzo(a)anthracene	1220		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Benzo(a)pyrene	1480		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Benzo(b)fluoranthene	2080		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Benzo(g,h,i)perylene	1140		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Benzo(k)fluoranthene	774		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Biphenyl	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Butylbenzylphthalate	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Caprolactam	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Carbazole	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
4-Chloroaniline	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489027**

Date Collected: 1/14/2014 12:20

Matrix: Solid

 Sample ID: **P47-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2-Chloronaphthalene	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2-Chlorophenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Chrysene	1420		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
mp-Cresol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
o-Cresol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Di-n-Butylphthalate	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Di-n-Octylphthalate	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Dibenzo(a,h)anthracene	248		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Dibenzofuran	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	200	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2,4-Dichlorophenol	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Diethylphthalate	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2,4-Dimethylphenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Dimethylphthalate	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2,4-Dinitrophenol	ND		ug/kg	266	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Fluoranthene	2080		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Fluorene	ND		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Hexachlorobenzene	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Hexachlorobutadiene	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Hexachloroethane	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Indeno(1,2,3-cd)pyrene	1170		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Isophorone	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2-Methylnaphthalene	ND		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Naphthalene	ND		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2-Nitroaniline	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
3-Nitroaniline	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
4-Nitroaniline	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Nitrobenzene	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2-Nitrophenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
4-Nitrophenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Pentachlorophenol	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Phenanthrene	684		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489027**

Date Collected: 1/14/2014 12:20

Matrix: Solid

 Sample ID: **P47-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Pyrene	2260		ug/kg	66.5	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	359	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	133	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	73.6		%	37-123	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2-Fluorobiphenyl (S)	73.8		%	45-105	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
2-Fluorophenol (S)	71.9		%	35-104	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Nitrobenzene-d5 (S)	64.2		%	41-110	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Phenol-d5 (S)	67.9		%	40-100	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D
Terphenyl-d14 (S)	83.2		%	38-113	SW846 8270D	1/17/14	MMM	1/20/14 17:21	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Aroclor-1221	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Aroclor-1232	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Aroclor-1242	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Aroclor-1248	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Aroclor-1254	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Aroclor-1260	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Aroclor-1262	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Aroclor-1268	ND		mg/kg	0.044	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	65.3		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D
Tetrachloro-m-xylene (S)	83.2		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 16:38	RWS	D

WET CHEMISTRY

Moisture	25.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	74.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	13.1	SW846 6010C	1/16/14	AAM	1/17/14 04:32	SRT	D1
Barium, Total	61.2		mg/kg	6.6	SW846 6010C	1/16/14	AAM	1/17/14 04:32	SRT	D1
Cadmium, Total	ND		mg/kg	3.3	SW846 6010C	1/16/14	AAM	1/17/14 04:32	SRT	D1
Chromium, Total	16.3		mg/kg	6.6	SW846 6010C	1/16/14	AAM	1/17/14 04:32	SRT	D1
Lead, Total	41.8		mg/kg	13.1	SW846 6010C	1/16/14	AAM	1/17/14 04:32	SRT	D1
Mercury, Total	0.084		mg/kg	0.059	SW846 7471B	1/27/14	MNP	1/27/14 11:44	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489027**

Date Collected: 1/14/2014 12:20

Matrix: Solid

Sample ID: **P47-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	32.8	SW846 6010C	1/16/14	AAM	1/17/14 04:32	SRT	D1
Silver, Total	ND		mg/kg	3.3	SW846 6010C	1/16/14	AAM	1/17/14 04:32	SRT	D1

Sample Comments:


Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489028**

Date Collected: 1/14/2014 12:40

Matrix: Solid

 Sample ID: **P47-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	26.5		ug/kg	13.9	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Benzene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Bromochloromethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Bromodichloromethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Bromoform	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Bromomethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
2-Butanone	ND		ug/kg	13.9	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Carbon Disulfide	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Carbon Tetrachloride	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Chlorobenzene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Chlorodibromomethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Chloroethane	ND		ug/kg	7.0	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Chloroform	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Chloromethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Cyclohexane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,2-Dibromoethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,1-Dichloroethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,2-Dichloroethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,1-Dichloroethene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,2-Dichloropropane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,4-Dioxane	ND		ug/kg	104	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Ethylbenzene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Freon 113	186		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
2-Hexanone	ND		ug/kg	13.9	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Isopropylbenzene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Methyl acetate	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Methyl cyclohexane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.9	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Methylene Chloride	5.1	5,6	ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: 1067489028

Date Collected: 1/14/2014 12:40

Matrix: Solid

Sample ID: P47-B

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Tetrachloroethene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Toluene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Trichloroethene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Trichlorofluoromethane	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Vinyl Chloride	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
o-Xylene	ND		ug/kg	2.8	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
mp-Xylene	ND		ug/kg	5.6	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.2		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
4-Bromofluorobenzene (S)	93.5		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Dibromofluoromethane (S)	78.3		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A
Toluene-d8 (S)	80.6		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 05:16	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Acenaphthylene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Acetophenone	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Anthracene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Atrazine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Benzaldehyde	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Benzo(a)anthracene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Benzo(a)pyrene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Biphenyl	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Butylbenzylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Caprolactam	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Carbazole	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
4-Chloroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489028**

Date Collected: 1/14/2014 12:40

Matrix: Solid

Sample ID: **P47-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2-Chloronaphthalene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2-Chlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Chrysene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
mp-Cresol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
o-Cresol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Di-n-Butylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Di-n-Octylphthalate	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Dibenzofuran	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	195	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2,4-Dichlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Diethylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2,4-Dimethylphenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Dimethylphthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2,4-Dinitrophenol	ND		ug/kg	260	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Fluoranthene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Fluorene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Hexachlorobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Hexachlorobutadiene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Hexachloroethane	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Isophorone	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2-Methylnaphthalene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Naphthalene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
3-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
4-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Nitrobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2-Nitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
4-Nitrophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Pentachlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Phenanthrene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489028**

Date Collected: 1/14/2014 12:40

Matrix: Solid

 Sample ID: **P47-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Pyrene	ND		ug/kg	64.9	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	350	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	130	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	77.4		%	37-123	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2-Fluorobiphenyl (S)	81.3		%	45-105	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
2-Fluorophenol (S)	80.9		%	35-104	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Nitrobenzene-d5 (S)	72.6		%	41-110	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Phenol-d5 (S)	74.2		%	40-100	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D
Terphenyl-d14 (S)	93.6		%	38-113	SW846 8270D	1/17/14	MMM	1/20/14 17:46	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Aroclor-1221	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Aroclor-1232	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Aroclor-1242	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Aroclor-1248	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Aroclor-1254	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Aroclor-1260	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Aroclor-1262	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Aroclor-1268	ND		mg/kg	0.042	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	69.9		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D
Tetrachloro-m-xylene (S)	84.3		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 16:56	RWS	D

WET CHEMISTRY

Moisture	23.2		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	76.8		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	12.8	SW846 6010C	1/16/14	AAM	1/17/14 04:36	SRT	D1
Barium, Total	11.8		mg/kg	6.4	SW846 6010C	1/16/14	AAM	1/17/14 04:36	SRT	D1
Cadmium, Total	ND		mg/kg	3.2	SW846 6010C	1/16/14	AAM	1/17/14 04:36	SRT	D1
Chromium, Total	ND		mg/kg	6.4	SW846 6010C	1/16/14	AAM	1/17/14 04:36	SRT	D1
Lead, Total	ND		mg/kg	12.8	SW846 6010C	1/16/14	AAM	1/17/14 04:36	SRT	D1
Mercury, Total	ND		mg/kg	0.063	SW846 7471B	1/27/14	MNP	1/27/14 11:46	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489028**

Date Collected: 1/14/2014 12:40

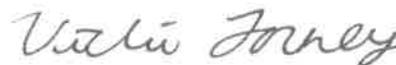
Matrix: Solid

Sample ID: **P47-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	31.9	SW846 6010C	1/16/14 AAM	1/17/14 04:36	SRT	D1
Silver, Total	ND		mg/kg	3.2	SW846 6010C	1/16/14 AAM	1/17/14 04:36	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489029**

Date Collected: 1/14/2014 13:30

Matrix: Solid

Sample ID: **P48-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	153		ug/kg	13.0	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Benzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Bromochloromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Bromodichloromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Bromoform	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Bromomethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
2-Butanone	19.8		ug/kg	13.0	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Carbon Disulfide	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Carbon Tetrachloride	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Chlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Chlorodibromomethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Chloroethane	ND		ug/kg	6.5	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Chloroform	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Chloromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,2-Dibromoethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,1-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,2-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,1-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,2-Dichloropropane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,4-Dioxane	ND		ug/kg	97.5	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Ethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Freon 113	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
2-Hexanone	ND		ug/kg	13.0	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Isopropylbenzene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Methyl acetate	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Methyl cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.0	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Methylene Chloride	4.3	5,6	ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489029**

Date Collected: 1/14/2014 13:30

Matrix: Solid

 Sample ID: **P48-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Tetrachloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Toluene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Trichloroethene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Trichlorofluoromethane	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Vinyl Chloride	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
o-Xylene	ND		ug/kg	2.6	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
mp-Xylene	ND		ug/kg	5.2	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.7		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
4-Bromofluorobenzene (S)	93.9		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Dibromofluoromethane (S)	78.7		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A
Toluene-d8 (S)	81.5		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 05:39	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Acenaphthylene	ND		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Acetophenone	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Anthracene	ND		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Atrazine	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Benzaldehyde	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Benzo(a)anthracene	2520		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Benzo(a)pyrene	3630		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Benzo(b)fluoranthene	6530		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Benzo(g,h,i)perylene	1390		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Benzo(k)fluoranthene	2790		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Biphenyl	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Butylbenzylphthalate	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Caprolactam	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Carbazole	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
4-Chloroaniline	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489029**

Date Collected: 1/14/2014 13:30

Matrix: Solid

Sample ID: **P48-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2-Chloronaphthalene	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2-Chlorophenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Chrysene	3400		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
mp-Cresol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
o-Cresol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Di-n-Butylphthalate	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Dibenzo(a,h)anthracene	345		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Dibenzofuran	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	710	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2,4-Dichlorophenol	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Diethylphthalate	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Dimethylphthalate	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2,4-Dinitrophenol	ND		ug/kg	947	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Fluoranthene	6220		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Fluorene	ND		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Hexachlorobenzene	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Hexachlorobutadiene	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Hexachloroethane	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Indeno(1,2,3-cd)pyrene	1410		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Isophorone	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2-Methylnaphthalene	ND		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Naphthalene	ND		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2-Nitroaniline	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
3-Nitroaniline	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
4-Nitroaniline	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Nitrobenzene	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2-Nitrophenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
4-Nitrophenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Pentachlorophenol	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Phenanthrene	1360		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489029**
 Sample ID: **P48-A**

 Date Collected: 1/14/2014 13:30 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Pyrene	5570		ug/kg	237	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1280	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	474	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	97.3		%	37-123	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2-Fluorobiphenyl (S)	107	45	%	45-105	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
2-Fluorophenol (S)	103		%	35-104	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Nitrobenzene-d5 (S)	97.4		%	41-110	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Phenol-d5 (S)	106	44	%	40-100	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
Terphenyl-d14 (S)	133	46	%	38-113	SW846 8270D	1/17/14	PDK	1/20/14 12:25	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Aroclor-1221	ND		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Aroclor-1232	ND		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Aroclor-1242	ND		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Aroclor-1248	ND		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Aroclor-1254	ND		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Aroclor-1260	0.10		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Aroclor-1262	ND		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Aroclor-1268	ND		mg/kg	0.038	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	66		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
Tetrachloro-m-xylene (S)	81.3		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 17:15	RWS	D
WET CHEMISTRY										
Moisture	16.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	83.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	10.6	SW846 6010C	1/16/14	AAM	1/17/14 04:47	SRT	D1
Barium, Total	50.1		mg/kg	5.3	SW846 6010C	1/16/14	AAM	1/17/14 04:47	SRT	D1
Cadmium, Total	ND		mg/kg	2.6	SW846 6010C	1/16/14	AAM	1/17/14 04:47	SRT	D1
Chromium, Total	28.9		mg/kg	5.3	SW846 6010C	1/16/14	AAM	1/17/14 04:47	SRT	D1
Lead, Total	103		mg/kg	10.6	SW846 6010C	1/16/14	AAM	1/17/14 04:47	SRT	D1
Mercury, Total	ND		mg/kg	0.056	SW846 7471B	1/27/14	MNP	1/27/14 11:47	MNP	D2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489029**

Date Collected: 1/14/2014 13:30

Matrix: Solid

Sample ID: **P48-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	26.4	SW846 6010C	1/16/14	AAM	1/17/14 04:47	SRT	D1
Silver, Total	ND		mg/kg	2.6	SW846 6010C	1/16/14	AAM	1/17/14 04:47	SRT	D1

Sample Comments:

The response of one or more of the GCMS semi-volatile internal standards was outside of QC criteria in the 8270 analysis. It is suspected that the internal standard failure was due to sample matrix.



Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489030**
 Sample ID: **P48-B**

 Date Collected: 1/14/2014 13:40 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	18.4	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Benzene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Bromochloromethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Bromodichloromethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Bromoform	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Bromomethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
2-Butanone	ND		ug/kg	18.4	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Carbon Disulfide	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Carbon Tetrachloride	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Chlorobenzene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Chlorodibromomethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Chloroethane	ND		ug/kg	9.2	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Chloroform	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Chloromethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Cyclohexane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.2	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,2-Dibromoethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,2-Dichlorobenzene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,3-Dichlorobenzene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,4-Dichlorobenzene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Dichlorodifluoromethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,1-Dichloroethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,2-Dichloroethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,1-Dichloroethene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,2-Dichloropropane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,4-Dioxane	ND		ug/kg	138	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Ethylbenzene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Freon 113	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
2-Hexanone	ND		ug/kg	18.4	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Isopropylbenzene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Methyl acetate	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Methyl cyclohexane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Methyl t-Butyl Ether	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	18.4	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Methylene Chloride	6.1	5,6	ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489030**

Date Collected: 1/14/2014 13:40

Matrix: Solid

 Sample ID: **P48-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Tetrachloroethene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Toluene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	9.2	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	9.2	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,1,1-Trichloroethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
1,1,2-Trichloroethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Trichloroethene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Trichlorofluoromethane	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Vinyl Chloride	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
o-Xylene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
mp-Xylene	ND		ug/kg	7.3	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.3		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
4-Bromofluorobenzene (S)	91.9		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Dibromofluoromethane (S)	77.7		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A
Toluene-d8 (S)	80.2		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 06:02	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Acenaphthylene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Acetophenone	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Anthracene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Atrazine	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Benzaldehyde	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Benzo(a)anthracene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Benzo(a)pyrene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Benzo(b)fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Benzo(g,h,i)perylene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Benzo(k)fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Biphenyl	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
4-Bromophenyl-phenylether	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Butylbenzylphthalate	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Caprolactam	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Carbazole	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
4-Chloro-3-methylphenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
4-Chloroaniline	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
bis(2-Chloroethyl)ether	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489030**

Date Collected: 1/14/2014 13:40

Matrix: Solid

 Sample ID: **P48-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2-Chloronaphthalene	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2-Chlorophenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
4-Chlorophenyl-phenylether	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Chrysene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
mp-Cresol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
o-Cresol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Di-n-Butylphthalate	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Di-n-Octylphthalate	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Dibenzo(a,h)anthracene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Dibenzofuran	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
3,3-Dichlorobenzidine	ND		ug/kg	186	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2,4-Dichlorophenol	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Diethylphthalate	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2,4-Dimethylphenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Dimethylphthalate	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2,4-Dinitrophenol	ND		ug/kg	249	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2,4-Dinitrotoluene	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2,6-Dinitrotoluene	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Fluorene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Hexachlorobenzene	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Hexachlorobutadiene	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Hexachlorocyclopentadiene	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Hexachloroethane	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Isophorone	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2-Methylnaphthalene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Naphthalene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
3-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
4-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Nitrobenzene	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2-Nitrophenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
4-Nitrophenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
N-Nitrosodiphenylamine	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Pentachlorophenol	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Phenanthrene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489030**

Date Collected: 1/14/2014 13:40

Matrix: Solid

 Sample ID: **P48-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Pyrene	ND		ug/kg	62.2	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2,4,5-Trichlorophenol	ND		ug/kg	336	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2,4,6-Trichlorophenol	ND		ug/kg	124	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	78.1		%	37-123	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2-Fluorobiphenyl (S)	75.8		%	45-105	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
2-Fluorophenol (S)	73.7		%	35-104	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Nitrobenzene-d5 (S)	74.2		%	41-110	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Phenol-d5 (S)	77.5		%	40-100	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C
Terphenyl-d14 (S)	95.9		%	38-113	SW846 8270D	1/17/14	PDK	1/18/14 01:43	GEC	C

PCBs

Aroclor-1016	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Aroclor-1221	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Aroclor-1232	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Aroclor-1242	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Aroclor-1248	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Aroclor-1254	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Aroclor-1260	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Aroclor-1262	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Aroclor-1268	ND		mg/kg	0.043	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	54.9		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C
Tetrachloro-m-xylene (S)	74.4		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 17:33	RWS	C

WET CHEMISTRY

Moisture	22.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	77.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	12.7	SW846 6010C	1/16/14	AAM	1/17/14 05:01	SRT	C1
Barium, Total	14.1		mg/kg	6.4	SW846 6010C	1/16/14	AAM	1/17/14 05:01	SRT	C1
Cadmium, Total	ND		mg/kg	3.2	SW846 6010C	1/16/14	AAM	1/17/14 05:01	SRT	C1
Chromium, Total	ND		mg/kg	6.4	SW846 6010C	1/16/14	AAM	1/17/14 05:01	SRT	C1
Lead, Total	ND		mg/kg	12.7	SW846 6010C	1/16/14	AAM	1/17/14 05:01	SRT	C1
Mercury, Total	ND		mg/kg	0.060	SW846 7471B	1/27/14	MNP	1/27/14 11:48	MNP	C2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489030**

Date Collected: 1/14/2014 13:40

Matrix: Solid

Sample ID: **P48-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	31.8	SW846 6010C	1/16/14	AAM	1/17/14 05:01	SRT	C1
Silver, Total	ND		mg/kg	3.2	SW846 6010C	1/16/14	AAM	1/17/14 05:01	SRT	C1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489031**

Date Collected: 1/14/2014 14:00

Matrix: Solid

Sample ID: **P49-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	9.2	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Benzene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Bromochloromethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Bromodichloromethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Bromoform	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Bromomethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
2-Butanone	ND		ug/kg	9.2	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Carbon Disulfide	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Carbon Tetrachloride	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Chlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Chlorodibromomethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Chloroethane	ND		ug/kg	4.6	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Chloroform	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Chloromethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Cyclohexane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,2-Dibromoethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,2-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,3-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,4-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Dichlorodifluoromethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,1-Dichloroethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,2-Dichloroethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,1-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,2-Dichloropropane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,4-Dioxane	ND		ug/kg	68.6	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Ethylbenzene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Freon 113	2.9		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
2-Hexanone	ND		ug/kg	9.2	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Isopropylbenzene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Methyl acetate	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Methyl cyclohexane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Methyl t-Butyl Ether	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.2	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Methylene Chloride	ND	5,6	ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489031**

Date Collected: 1/14/2014 14:00

Matrix: Solid

 Sample ID: **P49-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Tetrachloroethene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Toluene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,1,1-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
1,1,2-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Trichloroethene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Trichlorofluoromethane	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Vinyl Chloride	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
o-Xylene	ND		ug/kg	1.8	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
mp-Xylene	ND		ug/kg	3.7	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.4		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
4-Bromofluorobenzene (S)	97.1		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Dibromofluoromethane (S)	77.9		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A
Toluene-d8 (S)	81		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 06:25	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Acenaphthylene	ND		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Acetophenone	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Anthracene	269		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Atrazine	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Benzaldehyde	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Benzo(a)anthracene	1820		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Benzo(a)pyrene	1680		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Benzo(b)fluoranthene	3600		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Benzo(g,h,i)perylene	528		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Benzo(k)fluoranthene	1400		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Biphenyl	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
4-Bromophenyl-phenylether	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Butylbenzylphthalate	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Caprolactam	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Carbazole	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
4-Chloro-3-methylphenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
4-Chloroaniline	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
bis(2-Chloroethoxy)methane	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
bis(2-Chloroethyl)ether	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489031**

Date Collected: 1/14/2014 14:00

Matrix: Solid

Sample ID: **P49-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2-Chloronaphthalene	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2-Chlorophenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
4-Chlorophenyl-phenylether	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Chrysene	2350		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
mp-Cresol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
o-Cresol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Di-n-Butylphthalate	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Di-n-Octylphthalate	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Dibenzo(a,h)anthracene	ND		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Dibenzofuran	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
3,3-Dichlorobenzidine	ND		ug/kg	607	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2,4-Dichlorophenol	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Diethylphthalate	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2,4-Dimethylphenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Dimethylphthalate	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2,4-Dinitrophenol	ND		ug/kg	809	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2,4-Dinitrotoluene	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2,6-Dinitrotoluene	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
bis(2-Ethylhexyl)phthalate	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Fluoranthene	5510		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Fluorene	ND		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Hexachlorobenzene	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Hexachlorobutadiene	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Hexachlorocyclopentadiene	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Hexachloroethane	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Indeno(1,2,3-cd)pyrene	555		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Isophorone	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2-Methylnaphthalene	ND		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Naphthalene	ND		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2-Nitroaniline	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
3-Nitroaniline	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
4-Nitroaniline	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Nitrobenzene	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2-Nitrophenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
4-Nitrophenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
N-Nitrosodiphenylamine	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Pentachlorophenol	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Phenanthrene	2090		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489031**

Date Collected: 1/14/2014 14:00

Matrix: Solid

Sample ID: **P49-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Pyrene	4840		ug/kg	202	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2,4,5-Trichlorophenol	ND		ug/kg	1090	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2,4,6-Trichlorophenol	ND		ug/kg	404	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	83.2		%	37-123	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2-Fluorobiphenyl (S)	94.1		%	45-105	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
2-Fluorophenol (S)	89.2		%	35-104	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Nitrobenzene-d5 (S)	83.7		%	41-110	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Phenol-d5 (S)	92.9		%	40-100	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C
Terphenyl-d14 (S)	122	47	%	38-113	SW846 8270D	1/17/14	PDK	1/20/14 12:57	CGS	C

PCBs

Aroclor-1016	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Aroclor-1221	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Aroclor-1232	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Aroclor-1242	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Aroclor-1248	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Aroclor-1254	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Aroclor-1260	0.043		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Aroclor-1262	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Aroclor-1268	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	59.1		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C
Tetrachloro-m-xylene (S)	78.7		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 17:51	RWS	C

WET CHEMISTRY

Moisture	1.7		%	0.1	S2540G-97			1/22/14 05:57	ECI	A
Total Solids	98.3		%	0.1	S2540G-97			1/22/14 05:57	ECI	A

METALS

Arsenic, Total	ND		mg/kg	9.1	SW846 6010C	1/16/14	AAM	1/17/14 05:05	SRT	C1
Barium, Total	10.1		mg/kg	4.5	SW846 6010C	1/16/14	AAM	1/17/14 05:05	SRT	C1
Cadmium, Total	ND		mg/kg	2.3	SW846 6010C	1/16/14	AAM	1/17/14 05:05	SRT	C1
Chromium, Total	6.3		mg/kg	4.5	SW846 6010C	1/16/14	AAM	1/17/14 05:05	SRT	C1
Lead, Total	14.2		mg/kg	9.1	SW846 6010C	1/16/14	AAM	1/17/14 05:05	SRT	C1
Mercury, Total	ND		mg/kg	0.045	SW846 7471B	1/27/14	MNP	1/27/14 11:49	MNP	C2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489031**

Date Collected: 1/14/2014 14:00

Matrix: Solid

Sample ID: **P49-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	22.7	SW846 6010C	1/16/14	AAM	1/17/14 05:05	SRT	C1
Silver, Total	ND		mg/kg	2.3	SW846 6010C	1/16/14	AAM	1/17/14 05:05	SRT	C1

Sample Comments:

The response of one or more of the GCMS semi-volatile internal standards was outside of QC criteria in the 8270 analysis. It is suspected that the internal standard failure was due to sample matrix.



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489032**

Date Collected: 1/14/2014 14:10

Matrix: Solid

 Sample ID: **DUP 4**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	77.9		ug/kg	13.6	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Benzene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Bromochloromethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Bromodichloromethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Bromoform	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Bromomethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
2-Butanone	ND		ug/kg	13.6	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Carbon Disulfide	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Carbon Tetrachloride	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Chlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Chlorodibromomethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Chloroethane	ND		ug/kg	6.8	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Chloroform	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Chloromethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Cyclohexane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,2-Dibromoethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,1-Dichloroethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,2-Dichloroethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,1-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,2-Dichloropropane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,4-Dioxane	ND		ug/kg	102	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Ethylbenzene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Freon 113	7.8		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
2-Hexanone	ND		ug/kg	13.6	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Isopropylbenzene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Methyl acetate	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Methyl cyclohexane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.6	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Methylene Chloride	2.8	5,6	ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489032**

Date Collected: 1/14/2014 14:10

Matrix: Solid

 Sample ID: **DUP 4**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Tetrachloroethene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Toluene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Trichloroethene	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Trichlorofluoromethane	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Vinyl Chloride	ND		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
o-Xylene	3.4		ug/kg	2.7	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
mp-Xylene	7.3		ug/kg	5.4	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	73.5		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
4-Bromofluorobenzene (S)	102		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Dibromofluoromethane (S)	78.4		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A
Toluene-d8 (S)	81.4		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 06:48	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Acenaphthylene	104		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Acetophenone	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Anthracene	67.8		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Atrazine	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Benzaldehyde	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Benzo(a)anthracene	654		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Benzo(a)pyrene	752		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Benzo(b)fluoranthene	1850		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Benzo(g,h,i)perylene	322		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Benzo(k)fluoranthene	640		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Biphenyl	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
4-Bromophenyl-phenylether	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Butylbenzylphthalate	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Caprolactam	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Carbazole	107		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
4-Chloro-3-methylphenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
4-Chloroaniline	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
bis(2-Chloroethoxy)methane	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
bis(2-Chloroethyl)ether	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489032**

Date Collected: 1/14/2014 14:10

Matrix: Solid

 Sample ID: **DUP 4**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2-Chloronaphthalene	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2-Chlorophenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
4-Chlorophenyl-phenylether	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Chrysene	1060		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
mp-Cresol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
o-Cresol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Di-n-Butylphthalate	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Di-n-Octylphthalate	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Dibenzo(a,h)anthracene	116		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Dibenzofuran	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
3,3-Dichlorobenzidine	ND		ug/kg	157	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2,4-Dichlorophenol	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Diethylphthalate	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2,4-Dimethylphenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Dimethylphthalate	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2,4-Dinitrophenol	ND		ug/kg	209	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2,4-Dinitrotoluene	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2,6-Dinitrotoluene	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
bis(2-Ethylhexyl)phthalate	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Fluoranthene	1770		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Fluorene	ND		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Hexachlorobenzene	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Hexachlorobutadiene	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Hexachlorocyclopentadiene	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Hexachloroethane	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Indeno(1,2,3-cd)pyrene	357		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Isophorone	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2-Methyl-4,6-dinitrophenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2-Methylnaphthalene	ND		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Naphthalene	ND		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2-Nitroaniline	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
3-Nitroaniline	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
4-Nitroaniline	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Nitrobenzene	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2-Nitrophenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
4-Nitrophenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
N-Nitroso-di-n-propylamine	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
N-Nitrosodiphenylamine	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Pentachlorophenol	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Phenanthrene	571		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C

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 Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489032**

Date Collected: 1/14/2014 14:10

Matrix: Solid

 Sample ID: **DUP 4**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Pyrene	1460		ug/kg	52.2	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2,3,4,6-Tetrachlorophenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2,4,5-Trichlorophenol	ND		ug/kg	282	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2,4,6-Trichlorophenol	ND		ug/kg	104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	82		%	37-123	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2-Fluorobiphenyl (S)	85.4		%	45-105	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
2-Fluorophenol (S)	76		%	35-104	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Nitrobenzene-d5 (S)	82.5		%	41-110	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Phenol-d5 (S)	83.1		%	40-100	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C
Terphenyl-d14 (S)	109		%	38-113	SW846 8270D	1/17/14	PDK	1/20/14 11:53	CGS	C

PCBs

Aroclor-1016	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Aroclor-1221	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Aroclor-1232	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Aroclor-1242	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Aroclor-1248	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Aroclor-1254	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Aroclor-1260	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Aroclor-1262	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Aroclor-1268	ND		mg/kg	0.033	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	55.2		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C
Tetrachloro-m-xylene (S)	76.2		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 18:09	RWS	C

WET CHEMISTRY

Moisture	7.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	92.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	9.8	SW846 6010C	1/16/14	AAM	1/17/14 05:09	SRT	C1
Barium, Total	31.2		mg/kg	4.9	SW846 6010C	1/16/14	AAM	1/17/14 05:09	SRT	C1
Cadmium, Total	ND		mg/kg	2.4	SW846 6010C	1/16/14	AAM	1/17/14 05:09	SRT	C1
Chromium, Total	10.8		mg/kg	4.9	SW846 6010C	1/16/14	AAM	1/17/14 05:09	SRT	C1
Lead, Total	30.0		mg/kg	9.8	SW846 6010C	1/16/14	AAM	1/17/14 05:09	SRT	C1
Mercury, Total	ND		mg/kg	0.053	SW846 7471B	1/27/14	MNP	1/27/14 11:50	MNP	C2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489032**

Date Collected: 1/14/2014 14:10

Matrix: Solid

Sample ID: **DUP 4**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	24.5	SW846 6010C	1/16/14	AAM	1/17/14 05:09	SRT	C1
Silver, Total	ND		mg/kg	2.4	SW846 6010C	1/16/14	AAM	1/17/14 05:09	SRT	C1

Sample Comments:

The response of one or more of the GCMS semi-volatile internal standards was outside of QC criteria in the 8270 analysis. It is suspected that the internal standard failure was due to sample matrix.



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: 1067489033
Sample ID: P49-B

Date Collected: 1/14/2014 14:10 Matrix: Solid
Date Received: 1/15/2014 22:00

Table with 10 columns: Parameters, Results, Flag, Units, RDL, Method, Prepared, By, Analyzed, By Cntr. It lists various volatile organics such as Acetone, Benzene, Bromochloromethane, etc., with their respective results and units.

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489033**

Date Collected: 1/14/2014 14:10

Matrix: Solid

 Sample ID: **P49-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
Tetrachloroethene	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
Toluene	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
1,1,1-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
1,1,2-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
Trichloroethene	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
Trichlorofluoromethane	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
Vinyl Chloride	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
o-Xylene	ND		ug/kg	1.9	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
mp-Xylene	ND		ug/kg	3.8	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.8		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
4-Bromofluorobenzene (S)	90.2		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
Dibromofluoromethane (S)	75.8		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A
Toluene-d8 (S)	79.6		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 07:11	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Acenaphthylene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Acetophenone	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Anthracene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Atrazine	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Benzaldehyde	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Benzo(a)anthracene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Benzo(a)pyrene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Benzo(b)fluoranthene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Benzo(g,h,i)perylene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Benzo(k)fluoranthene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Biphenyl	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
4-Bromophenyl-phenylether	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Butylbenzylphthalate	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Caprolactam	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Carbazole	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
4-Chloro-3-methylphenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
4-Chloroaniline	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
bis(2-Chloroethyl)ether	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489033**

Date Collected: 1/14/2014 14:10

Matrix: Solid

 Sample ID: **P49-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2-Chloronaphthalene	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2-Chlorophenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
4-Chlorophenyl-phenylether	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Chrysene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
mp-Cresol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
o-Cresol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Di-n-Butylphthalate	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Di-n-Octylphthalate	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Dibenzo(a,h)anthracene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Dibenzofuran	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
3,3-Dichlorobenzidine	ND		ug/kg	155	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2,4-Dichlorophenol	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Diethylphthalate	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2,4-Dimethylphenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Dimethylphthalate	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2,4-Dinitrophenol	ND		ug/kg	206	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2,4-Dinitrotoluene	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2,6-Dinitrotoluene	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Fluoranthene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Fluorene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Hexachlorobenzene	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Hexachlorobutadiene	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Hexachlorocyclopentadiene	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Hexachloroethane	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Isophorone	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2-Methylnaphthalene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Naphthalene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2-Nitroaniline	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
3-Nitroaniline	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
4-Nitroaniline	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Nitrobenzene	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2-Nitrophenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
4-Nitrophenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
N-Nitrosodiphenylamine	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Pentachlorophenol	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Phenanthrene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489033**

Date Collected: 1/14/2014 14:10

Matrix: Solid

 Sample ID: **P49-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Pyrene	ND		ug/kg	51.5	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2,4,5-Trichlorophenol	ND		ug/kg	278	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2,4,6-Trichlorophenol	ND		ug/kg	103	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	78.1		%	37-123	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2-Fluorobiphenyl (S)	78.5		%	45-105	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
2-Fluorophenol (S)	78.2		%	35-104	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Nitrobenzene-d5 (S)	78.3		%	41-110	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Phenol-d5 (S)	82.1		%	40-100	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C
Terphenyl-d14 (S)	98.3		%	38-113	SW846 8270D	1/17/14	PDK	1/18/14 02:16	GEC	C

PCBs

Aroclor-1016	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Aroclor-1221	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Aroclor-1232	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Aroclor-1242	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Aroclor-1248	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Aroclor-1254	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Aroclor-1260	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Aroclor-1262	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Aroclor-1268	ND		mg/kg	0.034	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	56.5		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C
Tetrachloro-m-xylene (S)	74.7		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 18:28	RWS	C

WET CHEMISTRY

Moisture	3.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	96.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	19.6	SW846 6010C	1/16/14	AAM	1/17/14 06:00	SRT	C1
Barium, Total	ND		mg/kg	9.8	SW846 6010C	1/16/14	AAM	1/17/14 06:00	SRT	C1
Cadmium, Total	ND		mg/kg	4.9	SW846 6010C	1/16/14	AAM	1/17/14 06:00	SRT	C1
Chromium, Total	ND		mg/kg	9.8	SW846 6010C	1/16/14	AAM	1/17/14 06:00	SRT	C1
Lead, Total	ND		mg/kg	19.6	SW846 6010C	1/16/14	AAM	1/17/14 06:00	SRT	C1
Mercury, Total	ND		mg/kg	0.047	SW846 7471B	1/27/14	MNP	1/27/14 11:51	MNP	C2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489033**

Date Collected: 1/14/2014 14:10

Matrix: Solid

Sample ID: **P49-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	49.1	SW846 6010C	1/16/14	AAM	1/17/14 06:00	SRT	C1
Silver, Total	ND		mg/kg	4.9	SW846 6010C	1/16/14	AAM	1/17/14 06:00	SRT	C1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489034**

Date Collected: 1/14/2014 14:30

Matrix: Solid

 Sample ID: **P50-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	2350	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Benzene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Benzene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Bromochloromethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Bromochloromethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Bromodichloromethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Bromodichloromethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Bromoform	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Bromoform	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Bromomethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Bromomethane	265		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
2-Butanone	ND		ug/kg	26.7	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
2-Butanone	ND		ug/kg	2350	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Carbon Disulfide	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Carbon Disulfide	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Carbon Tetrachloride	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Carbon Tetrachloride	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Chlorobenzene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Chlorobenzene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Chlorodibromomethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Chlorodibromomethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Chloroethane	ND		ug/kg	13.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Chloroethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Chloroform	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Chloroform	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Chloromethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Chloromethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Cyclohexane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Cyclohexane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	13.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	1640	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,2-Dibromoethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,2-Dibromoethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,2-Dichlorobenzene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,2-Dichlorobenzene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,3-Dichlorobenzene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,3-Dichlorobenzene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,4-Dichlorobenzene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,4-Dichlorobenzene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489034**

Date Collected: 1/14/2014 14:30

Matrix: Solid

Sample ID: **P50-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dichlorodifluoromethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Dichlorodifluoromethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,1-Dichloroethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,1-Dichloroethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,2-Dichloroethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,2-Dichloroethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,1-Dichloroethene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,1-Dichloroethene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
cis-1,2-Dichloroethene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
trans-1,2-Dichloroethene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,2-Dichloropropane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,2-Dichloropropane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
cis-1,3-Dichloropropene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
trans-1,3-Dichloropropene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,4-Dioxane	ND		ug/kg	200	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,4-Dioxane	ND		ug/kg	75100	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Ethylbenzene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Ethylbenzene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Freon 113	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Freon 113	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
2-Hexanone	ND		ug/kg	26.7	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
2-Hexanone	ND		ug/kg	1170	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Isopropylbenzene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Isopropylbenzene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Methyl acetate	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Methyl acetate	759	7	ug/kg	470	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Methyl cyclohexane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Methyl cyclohexane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Methyl t-Butyl Ether	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Methyl t-Butyl Ether	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	26.7	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	1170	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Methylene Chloride	16.8	5,6	ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Methylene Chloride	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Styrene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Styrene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489034**

Date Collected: 1/14/2014 14:30

Matrix: Solid

Sample ID: **P50-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
1,1,2,2-Tetrachloroethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Tetrachloroethene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Tetrachloroethene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Toluene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Toluene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,2,3-Trichlorobenzene	ND		ug/kg	13.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	470	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,2,4-Trichlorobenzene	ND		ug/kg	13.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	470	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,1,1-Trichloroethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,1,1-Trichloroethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
1,1,2-Trichloroethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
1,1,2-Trichloroethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Trichloroethene	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Trichloroethene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Trichlorofluoromethane	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Trichlorofluoromethane	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Vinyl Chloride	ND		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Vinyl Chloride	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
o-Xylene	7.6		ug/kg	5.3	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
o-Xylene	ND		ug/kg	235	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
mp-Xylene	18.5		ug/kg	10.7	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
mp-Xylene	ND		ug/kg	470	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	89.2		%	71-146	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
4-Bromofluorobenzene (S)	93.3		%	46-138	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Dibromofluoromethane (S)	89.4		%	42-143	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
Toluene-d8 (S)	108		%	54-141	SW846 8260B	1/14/14	GLQ	1/22/14 07:16	GLQ	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	73.7		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
4-Bromofluorobenzene (S)	96.9		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Dibromofluoromethane (S)	79.5		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
Toluene-d8 (S)	81.8		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 08:20	DD	A
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Acenaphthylene	ND		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Acetophenone	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Anthracene	211		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489034**

Date Collected: 1/14/2014 14:30

Matrix: Solid

 Sample ID: **P50-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Atrazine	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Benzaldehyde	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Benzo(a)anthracene	1010		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Benzo(a)pyrene	1190		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Benzo(b)fluoranthene	1950		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Benzo(g,h,i)perylene	389		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Benzo(k)fluoranthene	782		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Biphenyl	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
4-Bromophenyl-phenylether	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Butylbenzylphthalate	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Caprolactam	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Carbazole	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
4-Chloro-3-methylphenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
4-Chloroaniline	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
bis(2-Chloroethyl)ether	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
bis(2-Chloroisopropyl)ether	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2-Chloronaphthalene	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2-Chlorophenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
4-Chlorophenyl-phenylether	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Chrysene	1280		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
mp-Cresol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
o-Cresol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Di-n-Butylphthalate	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Di-n-Octylphthalate	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Dibenzo(a,h)anthracene	114		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Dibenzofuran	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
3,3-Dichlorobenzidine	ND		ug/kg	267	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2,4-Dichlorophenol	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Diethylphthalate	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2,4-Dimethylphenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Dimethylphthalate	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2,4-Dinitrophenol	ND		ug/kg	356	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2,4-Dinitrotoluene	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2,6-Dinitrotoluene	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Fluoranthene	2170		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Fluorene	ND		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Hexachlorobenzene	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Hexachlorobutadiene	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Hexachlorocyclopentadiene	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489034**

Date Collected: 1/14/2014 14:30

Matrix: Solid

 Sample ID: **P50-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Hexachloroethane	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Indeno(1,2,3-cd)pyrene	405		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Isophorone	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2-Methylnaphthalene	ND		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Naphthalene	ND		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2-Nitroaniline	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
3-Nitroaniline	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
4-Nitroaniline	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Nitrobenzene	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2-Nitrophenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
4-Nitrophenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
N-Nitrosodiphenylamine	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Pentachlorophenol	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Phenanthrene	1190		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Phenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Pyrene	1600		ug/kg	89.1	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2,4,5-Trichlorophenol	ND		ug/kg	481	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2,4,6-Trichlorophenol	ND		ug/kg	178	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
2,4,6-Tribromophenol (S)	64.4		%	37-123	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2-Fluorobiphenyl (S)	68.1		%	45-105	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
2-Fluorophenol (S)	57.2		%	35-104	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Nitrobenzene-d5 (S)	59.4		%	41-110	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Phenol-d5 (S)	62.8		%	40-100	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
Terphenyl-d14 (S)	66.3		%	38-113	SW846 8270D	1/17/14	PDK	1/18/14 05:31	GEC	C
PCBs										
Aroclor-1016	ND		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Aroclor-1221	ND		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Aroclor-1232	ND		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Aroclor-1242	ND		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Aroclor-1248	ND		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Aroclor-1254	ND		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Aroclor-1260	0.064		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Aroclor-1262	ND		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Aroclor-1268	ND		mg/kg	0.056	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489034**

Date Collected: 1/14/2014 14:30

Matrix: Solid

 Sample ID: **P50-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	53.8		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C
Tetrachloro-m-xylene (S)	61.8		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 18:46	RWS	C

WET CHEMISTRY

Moisture	44.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	55.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	207		mg/kg	16.6	SW846 6010C	1/16/14	AAM	1/17/14 05:17	SRT	C1
Barium, Total	152		mg/kg	8.3	SW846 6010C	1/16/14	AAM	1/17/14 05:17	SRT	C1
Cadmium, Total	4.2		mg/kg	4.2	SW846 6010C	1/16/14	AAM	1/17/14 05:17	SRT	C1
Chromium, Total	17.4		mg/kg	8.3	SW846 6010C	1/16/14	AAM	1/17/14 05:17	SRT	C1
Lead, Total	409		mg/kg	16.6	SW846 6010C	1/16/14	AAM	1/17/14 05:17	SRT	C1
Mercury, Total	0.26		mg/kg	0.090	SW846 7471B	1/27/14	MNP	1/27/14 11:54	MNP	C2
Selenium, Total	ND		mg/kg	41.5	SW846 6010C	1/16/14	AAM	1/17/14 05:17	SRT	C1
Silver, Total	ND		mg/kg	4.2	SW846 6010C	1/16/14	AAM	1/17/14 05:17	SRT	C1

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489035**

Date Collected: 1/14/2014 14:40

Matrix: Solid

 Sample ID: **P50-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	67.7		ug/kg	16.6	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Benzene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Bromochloromethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Bromodichloromethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Bromoform	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Bromomethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
2-Butanone	ND		ug/kg	16.6	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Carbon Disulfide	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Carbon Tetrachloride	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Chlorobenzene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Chlorodibromomethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Chloroethane	ND		ug/kg	8.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Chloroform	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Chloromethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Cyclohexane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,2-Dibromoethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,2-Dichlorobenzene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,3-Dichlorobenzene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,4-Dichlorobenzene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Dichlorodifluoromethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,1-Dichloroethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,2-Dichloroethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,1-Dichloroethene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,2-Dichloropropane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,4-Dioxane	ND		ug/kg	125	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Ethylbenzene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Freon 113	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
2-Hexanone	ND		ug/kg	16.6	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Isopropylbenzene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Methyl acetate	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Methyl cyclohexane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Methyl t-Butyl Ether	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	16.6	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Methylene Chloride	10.3	5,6	ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489035**
 Sample ID: **P50-B**

 Date Collected: 1/14/2014 14:40 Matrix: Solid
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Tetrachloroethene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Toluene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	8.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	8.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,1,1-Trichloroethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
1,1,2-Trichloroethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Trichloroethene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Trichlorofluoromethane	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Vinyl Chloride	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
o-Xylene	ND		ug/kg	3.3	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
mp-Xylene	ND		ug/kg	6.7	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	67.2		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
4-Bromofluorobenzene (S)	84.8		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Dibromofluoromethane (S)	70.8		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A
Toluene-d8 (S)	75.6		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 07:57	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Acenaphthylene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Acetophenone	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Anthracene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Atrazine	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Benzaldehyde	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Benzo(a)anthracene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Benzo(a)pyrene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Benzo(b)fluoranthene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Benzo(g,h,i)perylene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Benzo(k)fluoranthene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Biphenyl	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
4-Bromophenyl-phenylether	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Butylbenzylphthalate	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Caprolactam	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Carbazole	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
4-Chloro-3-methylphenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
4-Chloroaniline	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
bis(2-Chloroethyl)ether	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489035**

Date Collected: 1/14/2014 14:40

Matrix: Solid

Sample ID: **P50-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2-Chloronaphthalene	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2-Chlorophenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
4-Chlorophenyl-phenylether	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Chrysene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
mp-Cresol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
o-Cresol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Di-n-Butylphthalate	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Di-n-Octylphthalate	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Dibenzo(a,h)anthracene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Dibenzofuran	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
3,3-Dichlorobenzidine	ND		ug/kg	220	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2,4-Dichlorophenol	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Diethylphthalate	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2,4-Dimethylphenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Dimethylphthalate	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2,4-Dinitrophenol	ND		ug/kg	293	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2,4-Dinitrotoluene	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2,6-Dinitrotoluene	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Fluoranthene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Fluorene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Hexachlorobenzene	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Hexachlorobutadiene	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Hexachlorocyclopentadiene	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Hexachloroethane	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Isophorone	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2-Methylnaphthalene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Naphthalene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2-Nitroaniline	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
3-Nitroaniline	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
4-Nitroaniline	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Nitrobenzene	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2-Nitrophenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
4-Nitrophenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
N-Nitrosodiphenylamine	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Pentachlorophenol	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Phenanthrene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489035**
Sample ID: **P50-B**

Date Collected: 1/14/2014 14:40 Matrix: Solid
Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Pyrene	ND		ug/kg	73.3	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2,4,5-Trichlorophenol	ND		ug/kg	396	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2,4,6-Trichlorophenol	ND		ug/kg	147	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	85		%	37-123	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2-Fluorobiphenyl (S)	80.5		%	45-105	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
2-Fluorophenol (S)	75.9		%	35-104	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Nitrobenzene-d5 (S)	79.2		%	41-110	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Phenol-d5 (S)	80.4		%	40-100	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
Terphenyl-d14 (S)	96.4		%	38-113	SW846 8270D	1/17/14	PDK	1/18/14 03:21	GEC	C
PCBs										
Aroclor-1016	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Aroclor-1221	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Aroclor-1232	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Aroclor-1242	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Aroclor-1248	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Aroclor-1254	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Aroclor-1260	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Aroclor-1262	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Aroclor-1268	ND		mg/kg	0.048	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	55.9		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
Tetrachloro-m-xylene (S)	87.2		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 19:04	RWS	C
WET CHEMISTRY										
Moisture	32.9		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	67.1		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	14.3	SW846 6010C	1/16/14	AAM	1/17/14 05:20	SRT	C1
Barium, Total	26.0		mg/kg	7.2	SW846 6010C	1/16/14	AAM	1/17/14 05:20	SRT	C1
Cadmium, Total	ND		mg/kg	3.6	SW846 6010C	1/16/14	AAM	1/17/14 05:20	SRT	C1
Chromium, Total	8.0		mg/kg	7.2	SW846 6010C	1/16/14	AAM	1/17/14 05:20	SRT	C1
Lead, Total	ND		mg/kg	14.3	SW846 6010C	1/16/14	AAM	1/17/14 05:20	SRT	C1
Mercury, Total	ND		mg/kg	0.072	SW846 7471B	1/27/14	MNP	1/27/14 11:58	MNP	C2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489035**

Date Collected: 1/14/2014 14:40

Matrix: Solid

Sample ID: **P50-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	35.8	SW846 6010C	1/16/14 AAM	1/17/14 05:20	SRT	C1
Silver, Total	ND		mg/kg	3.6	SW846 6010C	1/16/14 AAM	1/17/14 05:20	SRT	C1

Sample Comments:


Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489036**

Date Collected: 1/14/2014 15:00

Matrix: Solid

 Sample ID: **P51-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	11.4	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Benzene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Bromochloromethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Bromodichloromethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Bromoform	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Bromomethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
2-Butanone	ND		ug/kg	11.4	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Carbon Disulfide	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Carbon Tetrachloride	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Chlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Chlorodibromomethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Chloroethane	ND		ug/kg	5.7	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Chloroform	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Chloromethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Cyclohexane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,2-Dibromoethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,1-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,2-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,1-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,2-Dichloropropane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,4-Dioxane	ND		ug/kg	85.2	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Ethylbenzene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Freon 113	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
2-Hexanone	ND		ug/kg	11.4	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Isopropylbenzene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Methyl acetate	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Methyl cyclohexane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.4	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Methylene Chloride	4.7	5,6	ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489036**

Date Collected: 1/14/2014 15:00

Matrix: Solid

 Sample ID: **P51-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Tetrachloroethene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Toluene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Trichloroethene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Trichlorofluoromethane	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Vinyl Chloride	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
o-Xylene	ND		ug/kg	2.3	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
mp-Xylene	ND		ug/kg	4.5	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	73.6		%	56-124	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
4-Bromofluorobenzene (S)	95.1		%	51-128	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Dibromofluoromethane (S)	76.4		%	62-123	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A
Toluene-d8 (S)	79.4		%	59-131	SW846 8260B	1/14/14	DD	1/17/14 07:34	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Acenaphthylene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Acetophenone	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Anthracene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Atrazine	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Benzaldehyde	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Benzo(a)anthracene	ND	48	ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Benzo(a)pyrene	ND	49	ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Benzo(b)fluoranthene	ND	50	ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Benzo(g,h,i)perylene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Benzo(k)fluoranthene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Biphenyl	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
4-Bromophenyl-phenylether	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Butylbenzylphthalate	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Caprolactam	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Carbazole	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
4-Chloro-3-methylphenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
4-Chloroaniline	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
bis(2-Chloroethyl)ether	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489036**

Date Collected: 1/14/2014 15:00

Matrix: Solid

 Sample ID: **P51-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2-Chloronaphthalene	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2-Chlorophenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
4-Chlorophenyl-phenylether	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Chrysene	ND	51	ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
mp-Cresol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
o-Cresol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Di-n-Butylphthalate	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Di-n-Octylphthalate	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Dibenzo(a,h)anthracene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Dibenzofuran	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
3,3-Dichlorobenzidine	ND		ug/kg	183	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2,4-Dichlorophenol	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Diethylphthalate	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2,4-Dimethylphenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Dimethylphthalate	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2,4-Dinitrophenol	ND		ug/kg	244	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2,4-Dinitrotoluene	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2,6-Dinitrotoluene	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Fluoranthene	ND	52	ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Fluorene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Hexachlorobenzene	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Hexachlorobutadiene	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Hexachlorocyclopentadiene	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Hexachloroethane	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Isophorone	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2-Methylnaphthalene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Naphthalene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2-Nitroaniline	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
3-Nitroaniline	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
4-Nitroaniline	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Nitrobenzene	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2-Nitrophenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
4-Nitrophenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
N-Nitrosodiphenylamine	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Pentachlorophenol	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Phenanthrene	ND		ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489036**
 Sample ID: **P51-A**

 Date Collected: 1/14/2014 15:00
 Date Received: 1/15/2014 22:00

Matrix: Solid

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Pyrene	ND	53	ug/kg	61.1	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2,4,5-Trichlorophenol	ND		ug/kg	330	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2,4,6-Trichlorophenol	ND		ug/kg	122	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	88.3		%	37-123	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2-Fluorobiphenyl (S)	84.9		%	45-105	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
2-Fluorophenol (S)	75.7		%	35-104	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Nitrobenzene-d5 (S)	76.6		%	41-110	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Phenol-d5 (S)	81.2		%	40-100	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C
Terphenyl-d14 (S)	95.8		%	38-113	SW846 8270D	1/17/14	PDK	1/18/14 03:53	GEC	C

PCBs

Aroclor-1016	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Aroclor-1221	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Aroclor-1232	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Aroclor-1242	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Aroclor-1248	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Aroclor-1254	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Aroclor-1260	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Aroclor-1262	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Aroclor-1268	ND		mg/kg	0.040	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	72.9		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C
Tetrachloro-m-xylene (S)	90.2		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 19:23	RWS	C

WET CHEMISTRY

Moisture	19.2		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	80.8		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	10.9	SW846 6010C	1/16/14	AAM	1/17/14 05:24	SRT	C1
Barium, Total	224		mg/kg	5.4	SW846 6010C	1/16/14	AAM	1/17/14 05:24	SRT	C1
Cadmium, Total	ND		mg/kg	2.7	SW846 6010C	1/16/14	AAM	1/17/14 05:24	SRT	C1
Chromium, Total	32.1		mg/kg	5.4	SW846 6010C	1/16/14	AAM	1/17/14 05:24	SRT	C1
Lead, Total	19.4		mg/kg	10.9	SW846 6010C	1/16/14	AAM	1/17/14 05:24	SRT	C1
Mercury, Total	ND		mg/kg	0.062	SW846 7471B	1/27/14	MNP	1/27/14 11:59	MNP	C2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489036**

Date Collected: 1/14/2014 15:00

Matrix: Solid

Sample ID: **P51-A**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	27.1	SW846 6010C	1/16/14	AAM	1/17/14 05:24	SRT	C1
Silver, Total	ND		mg/kg	2.7	SW846 6010C	1/16/14	AAM	1/17/14 05:24	SRT	C1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489037**

Date Collected: 1/14/2014 15:10

Matrix: Solid

 Sample ID: **P51-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	21.0		ug/kg	11.1	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Benzene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Bromoform	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Bromomethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
2-Butanone	ND		ug/kg	11.1	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Carbon Disulfide	3.5		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Chloroethane	ND		ug/kg	5.6	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Chloroform	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Chloromethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,4-Dioxane	ND		ug/kg	83.4	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Freon 113	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
2-Hexanone	ND		ug/kg	11.1	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Methyl acetate	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Methyl cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.1	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Methylene Chloride	2.6	3,4	ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489037**

Date Collected: 1/14/2014 15:10

Matrix: Solid

 Sample ID: **P51-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Tetrachloroethene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Toluene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Trichloroethene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Vinyl Chloride	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
o-Xylene	ND		ug/kg	2.2	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
mp-Xylene	ND		ug/kg	4.4	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	73.8		%	56-124	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
4-Bromofluorobenzene (S)	94.5		%	51-128	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Dibromofluoromethane (S)	78.9		%	62-123	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A
Toluene-d8 (S)	79.9		%	59-131	SW846 8260B	1/14/14	DD	1/21/14 07:08	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Acenaphthylene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Acetophenone	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Anthracene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Atrazine	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Benzaldehyde	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Benzo(a)anthracene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Benzo(a)pyrene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Benzo(b)fluoranthene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Benzo(g,h,i)perylene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Benzo(k)fluoranthene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Biphenyl	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
4-Bromophenyl-phenylether	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Butylbenzylphthalate	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Caprolactam	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Carbazole	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
4-Chloro-3-methylphenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
4-Chloroaniline	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
bis(2-Chloroethyl)ether	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489037**

Date Collected: 1/14/2014 15:10

Matrix: Solid

Sample ID: **P51-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2-Chloronaphthalene	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2-Chlorophenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
4-Chlorophenyl-phenylether	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Chrysene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
mp-Cresol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
o-Cresol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Di-n-Butylphthalate	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Di-n-Octylphthalate	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Dibenzo(a,h)anthracene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Dibenzofuran	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
3,3-Dichlorobenzidine	ND		ug/kg	182	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2,4-Dichlorophenol	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Diethylphthalate	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2,4-Dimethylphenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Dimethylphthalate	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2,4-Dinitrophenol	ND		ug/kg	243	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2,4-Dinitrotoluene	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2,6-Dinitrotoluene	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Fluoranthene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Fluorene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Hexachlorobenzene	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Hexachlorobutadiene	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Hexachlorocyclopentadiene	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Hexachloroethane	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Isophorone	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2-Methylnaphthalene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Naphthalene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2-Nitroaniline	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
3-Nitroaniline	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
4-Nitroaniline	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Nitrobenzene	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2-Nitrophenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
4-Nitrophenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
N-Nitrosodiphenylamine	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Pentachlorophenol	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Phenanthrene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489037**

Date Collected: 1/14/2014 15:10

Matrix: Solid

 Sample ID: **P51-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Pyrene	ND		ug/kg	60.7	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2,4,5-Trichlorophenol	ND		ug/kg	328	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2,4,6-Trichlorophenol	ND		ug/kg	121	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	82.5		%	37-123	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2-Fluorobiphenyl (S)	81.5		%	45-105	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
2-Fluorophenol (S)	75.3		%	35-104	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Nitrobenzene-d5 (S)	78		%	41-110	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Phenol-d5 (S)	80		%	40-100	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C
Terphenyl-d14 (S)	92.6		%	38-113	SW846 8270D	1/17/14	PDK	1/18/14 04:57	GEC	C

PCBs

Aroclor-1016	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Aroclor-1221	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Aroclor-1232	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Aroclor-1242	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Aroclor-1248	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Aroclor-1254	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Aroclor-1260	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Aroclor-1262	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Aroclor-1268	ND		mg/kg	0.041	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	74.9		%	46-120	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C
Tetrachloro-m-xylene (S)	87.2		%	52-115	SW846 8082A	1/21/14	DLC	1/22/14 19:41	RWS	C

WET CHEMISTRY

Moisture	19.3		%	0.1	S2540G-97			1/16/14 06:04	ECI	A
Total Solids	80.7		%	0.1	S2540G-97			1/16/14 06:04	ECI	A

METALS

Arsenic, Total	ND		mg/kg	11.5	SW846 6010C	1/16/14	AAM	1/17/14 05:28	SRT	C1
Barium, Total	44.6		mg/kg	5.7	SW846 6010C	1/16/14	AAM	1/17/14 05:28	SRT	C1
Cadmium, Total	ND		mg/kg	2.9	SW846 6010C	1/16/14	AAM	1/17/14 05:28	SRT	C1
Chromium, Total	11.0		mg/kg	5.7	SW846 6010C	1/16/14	AAM	1/17/14 05:28	SRT	C1
Lead, Total	ND		mg/kg	11.5	SW846 6010C	1/16/14	AAM	1/17/14 05:28	SRT	C1
Mercury, Total	ND		mg/kg	0.061	SW846 7471B	1/28/14	MNP	1/28/14 12:00	MNP	C2

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489037**

Date Collected: 1/14/2014 15:10

Matrix: Solid

Sample ID: **P51-B**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	28.7	SW846 6010C	1/16/14	AAM	1/17/14 05:28	SRT	C1
Silver, Total	ND		mg/kg	2.9	SW846 6010C	1/16/14	AAM	1/17/14 05:28	SRT	C1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489038**
Sample ID: **Field Blank 2**

Date Collected: 1/13/2014 15:50
Date Received: 1/15/2014 22:00

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		1/16/14 15:04	CJG	A
Benzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Bromoform	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		1/16/14 15:04	CJG	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Chloroform	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		1/16/14 15:04	CJG	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		1/16/14 15:04	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Freon 113	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		1/16/14 15:04	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		1/16/14 15:04	CJG	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		1/16/14 15:04	CJG	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489038**

Date Collected: 1/13/2014 15:50

Matrix: Water

 Sample ID: **Field Blank 2**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		1/16/14 15:04	CJG	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		1/16/14 15:04	CJG	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
o-Xylene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:04	CJG	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B		1/16/14 15:04	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	101		%	62-133	SW846 8260B		1/16/14 15:04	CJG	A
4-Bromofluorobenzene (S)	100		%	79-114	SW846 8260B		1/16/14 15:04	CJG	A
Dibromofluoromethane (S)	85.3		%	78-116	SW846 8260B		1/16/14 15:04	CJG	A
Toluene-d8 (S)	90.1		%	76-127	SW846 8260B		1/16/14 15:04	CJG	A

SEMIVOLATILES

Acenaphthene	ND	54	ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Acenaphthylene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Acetophenone	ND		ug/L	8.2	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Anthracene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Atrazine	ND		ug/L	3.1	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Benzaldehyde	ND		ug/L	16.4	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Benzo(a)anthracene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Benzo(a)pyrene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Benzo(b)fluoranthene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Benzo(g,h,i)perylene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Benzo(k)fluoranthene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Biphenyl	ND	55	ug/L	8.2	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
4-Bromophenyl-phenylether	ND		ug/L	3.1	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Butylbenzylphthalate	ND		ug/L	3.1	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Caprolactam	ND		ug/L	8.2	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
Carbazole	ND		ug/L	3.1	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
4-Chloro-3-methylphenol	ND		ug/L	8.2	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
4-Chloroaniline	ND		ug/L	3.1	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/L	3.1	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C
bis(2-Chloroethyl)ether	ND		ug/L	3.1	SW846 8270D	1/16/14 CAC	1/16/14 18:24	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489038**

Date Collected: 1/13/2014 15:50

Matrix: Water

 Sample ID: **Field Blank 2**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2-Chloronaphthalene	ND	56	ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2-Chlorophenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
4-Chlorophenyl-phenylether	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Chrysene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
mp-Cresol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
o-Cresol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Di-n-Butylphthalate	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Di-n-Octylphthalate	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Dibenzo(a,h)anthracene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Dibenzofuran	ND	57	ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
3,3-Dichlorobenzidine	ND		ug/L	16.4	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2,4-Dichlorophenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Diethylphthalate	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2,4-Dimethylphenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Dimethylphthalate	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2,4-Dinitrophenol	ND		ug/L	16.4	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2,4-Dinitrotoluene	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2,6-Dinitrotoluene	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Fluoranthene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Fluorene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Hexachlorobenzene	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Hexachlorobutadiene	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Hexachlorocyclopentadiene	ND	58	ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Hexachloroethane	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Isophorone	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2-Methylnaphthalene	ND	59	ug/L	2.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Naphthalene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2-Nitroaniline	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
3-Nitroaniline	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
4-Nitroaniline	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Nitrobenzene	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2-Nitrophenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
4-Nitrophenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
N-Nitrosodiphenylamine	ND		ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Pentachlorophenol	ND		ug/L	16.4	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Phenanthrene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489038**
 Sample ID: **Field Blank 2**

 Date Collected: 1/13/2014 15:50 Matrix: Water
 Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Pyrene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
1,2,4,5-Tetrachlorobenzene	ND	60	ug/L	3.1	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2,4,5-Trichlorophenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2,4,6-Trichlorophenol	ND		ug/L	8.2	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	71.3		%	40-125	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2-Fluorobiphenyl (S)	60		%	50-110	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
2-Fluorophenol (S)	48.3		%	20-75	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Nitrobenzene-d5 (S)	75.5		%	40-110	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Phenol-d5 (S)	34.5		%	13-49	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C
Terphenyl-d14 (S)	93.4		%	50-122	SW846 8270D	1/16/14	CAC	1/16/14 18:24	GEC	C

PCBs

Aroclor-1016	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Aroclor-1221	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Aroclor-1232	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Aroclor-1242	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Aroclor-1248	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Aroclor-1254	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Aroclor-1260	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Aroclor-1262	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Aroclor-1268	ND		ug/L	0.50	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	73.9		%	30-150	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D
Tetrachloro-m-xylene (S)	77.6		%	36-112	SW846 8082A	1/17/14	LEH	1/18/14 00:37	RWS	D

METALS

Arsenic, Total	ND		mg/L	0.0090	SW846 6010C	1/16/14	AAM	1/21/14 14:55	SRT	E1
Barium, Total	ND		mg/L	0.011	SW846 6010C	1/16/14	AAM	1/21/14 14:55	SRT	E1
Cadmium, Total	ND		mg/L	0.0022	SW846 6010C	1/16/14	AAM	1/21/14 14:55	SRT	E1
Chromium, Total	ND		mg/L	0.0056	SW846 6010C	1/16/14	AAM	1/21/14 14:55	SRT	E1
Lead, Total	ND		mg/L	0.0067	SW846 6010C	1/16/14	AAM	1/21/14 14:55	SRT	E1
Mercury, Total	ND		mg/L	0.00050	SW846 7470A	1/20/14	MRT	1/20/14 14:17	MRT	E2
Selenium, Total	ND		mg/L	0.022	SW846 6010C	1/16/14	AAM	1/21/14 14:55	SRT	E1
Silver, Total	ND		mg/L	0.0044	SW846 6010C	1/16/14	AAM	1/21/14 14:55	SRT	E1

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: 1067489038

Date Collected: 1/13/2014 15:50

Matrix: Water

Sample ID: Field Blank 2

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed By	Cntr
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Sample Comments:Vicki Forney
Project Coordinator**ALS Environmental Laboratory Locations Across North America**Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489039**

Date Collected: 1/14/2014 16:00

Matrix: Water

 Sample ID: **Field Blank 3**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		1/16/14 15:21	CJG	A
Benzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Bromoform	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		1/16/14 15:21	CJG	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Chloroform	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		1/16/14 15:21	CJG	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		1/16/14 15:21	CJG	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Freon 113	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		1/16/14 15:21	CJG	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		1/16/14 15:21	CJG	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		1/16/14 15:21	CJG	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489039**

Date Collected: 1/14/2014 16:00

Matrix: Water

 Sample ID: **Field Blank 3**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Toluene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		1/16/14 15:21	CJG	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B		1/16/14 15:21	CJG	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
o-Xylene	ND		ug/L	1.0	SW846 8260B		1/16/14 15:21	CJG	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B		1/16/14 15:21	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	101		%	62-133	SW846 8260B		1/16/14 15:21	CJG	A
4-Bromofluorobenzene (S)	103		%	79-114	SW846 8260B		1/16/14 15:21	CJG	A
Dibromofluoromethane (S)	86.6		%	78-116	SW846 8260B		1/16/14 15:21	CJG	A
Toluene-d8 (S)	88.2		%	76-127	SW846 8260B		1/16/14 15:21	CJG	A

SEMIVOLATILES

Acenaphthene	ND	54	ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Acenaphthylene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Acetophenone	ND		ug/L	8.1	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Anthracene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Atrazine	ND		ug/L	3.0	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Benzaldehyde	ND		ug/L	16.2	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Benzo(a)anthracene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Benzo(a)pyrene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Benzo(b)fluoranthene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Benzo(g,h,i)perylene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Benzo(k)fluoranthene	ND		ug/L	1.5	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Biphenyl	ND	55	ug/L	8.1	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
4-Bromophenyl-phenylether	ND		ug/L	3.0	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Butylbenzylphthalate	ND		ug/L	3.0	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Caprolactam	ND		ug/L	8.1	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
Carbazole	ND		ug/L	3.0	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
4-Chloro-3-methylphenol	ND		ug/L	8.1	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
4-Chloroaniline	ND		ug/L	3.0	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/L	3.0	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C
bis(2-Chloroethyl)ether	ND		ug/L	3.0	SW846 8270D	1/16/14 CAC	1/16/14 20:32	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489039**

Date Collected: 1/14/2014 16:00

Matrix: Water

 Sample ID: **Field Blank 3**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2-Chloronaphthalene	ND	56	ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2-Chlorophenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
4-Chlorophenyl-phenylether	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Chrysene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
mp-Cresol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
o-Cresol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Di-n-Butylphthalate	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Di-n-Octylphthalate	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Dibenzo(a,h)anthracene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Dibenzofuran	ND	57	ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
3,3-Dichlorobenzidine	ND		ug/L	16.2	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2,4-Dichlorophenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Diethylphthalate	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2,4-Dimethylphenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Dimethylphthalate	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2,4-Dinitrophenol	ND		ug/L	16.2	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2,4-Dinitrotoluene	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2,6-Dinitrotoluene	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Fluoranthene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Fluorene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Hexachlorobenzene	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Hexachlorobutadiene	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Hexachlorocyclopentadiene	ND	58	ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Hexachloroethane	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Isophorone	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2-Methylnaphthalene	ND	59	ug/L	2.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Naphthalene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2-Nitroaniline	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
3-Nitroaniline	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
4-Nitroaniline	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Nitrobenzene	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2-Nitrophenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
4-Nitrophenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
N-Nitrosodiphenylamine	ND		ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Pentachlorophenol	ND		ug/L	16.2	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Phenanthrene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

 Lab ID: **1067489039**

Date Collected: 1/14/2014 16:00

Matrix: Water

 Sample ID: **Field Blank 3**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Pyrene	ND		ug/L	1.5	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
1,2,4,5-Tetrachlorobenzene	ND	60	ug/L	3.0	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2,4,5-Trichlorophenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2,4,6-Trichlorophenol	ND		ug/L	8.1	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	71.7		%	40-125	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2-Fluorobiphenyl (S)	56.6		%	50-110	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
2-Fluorophenol (S)	46.4		%	20-75	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Nitrobenzene-d5 (S)	74		%	40-110	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Phenol-d5 (S)	32.2		%	13-49	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C
Terphenyl-d14 (S)	92.5		%	50-122	SW846 8270D	1/16/14	CAC	1/16/14 20:32	GEC	C

PCBs

Aroclor-1016	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Aroclor-1221	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Aroclor-1232	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Aroclor-1242	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Aroclor-1248	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Aroclor-1254	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Aroclor-1260	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Aroclor-1262	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Aroclor-1268	ND		ug/L	0.52	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	78.7		%	30-150	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D
Tetrachloro-m-xylene (S)	81.6		%	36-112	SW846 8082A	1/17/14	LEH	1/18/14 01:13	RWS	D

METALS

Arsenic, Total	ND		mg/L	0.0090	SW846 6010C	1/16/14	AAM	1/21/14 14:59	SRT	E1
Barium, Total	ND		mg/L	0.011	SW846 6010C	1/16/14	AAM	1/21/14 14:59	SRT	E1
Cadmium, Total	ND		mg/L	0.0022	SW846 6010C	1/16/14	AAM	1/21/14 14:59	SRT	E1
Chromium, Total	ND		mg/L	0.0056	SW846 6010C	1/16/14	AAM	1/21/14 14:59	SRT	E1
Lead, Total	ND		mg/L	0.0067	SW846 6010C	1/16/14	AAM	1/21/14 14:59	SRT	E1
Mercury, Total	ND		mg/L	0.00050	SW846 7470A	1/20/14	MRT	1/20/14 14:23	MRT	E2
Selenium, Total	ND		mg/L	0.022	SW846 6010C	1/16/14	AAM	1/21/14 14:59	SRT	E1
Silver, Total	ND		mg/L	0.0044	SW846 6010C	1/16/14	AAM	1/21/14 14:59	SRT	E1

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ANALYTICAL RESULTS

Workorder: 1067489 AMW

Lab ID: **1067489039**

Date Collected: 1/14/2014 16:00

Matrix: Water

Sample ID: **Field Blank 3**

Date Received: 1/15/2014 22:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:

Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1067489 AMW

PARAMETER QUALIFIERS\FLAGS

- [1] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 143 and the control limits were 68 to 133.
- [2] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 41.8 and the control limits were 46 to 120. This result was reported at a dilution of 1.
- [3] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 150 and the control limits were 68 to 133.
- [4] The QC sample type LCSD for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 152 and the control limits were 68 to 133.
- [5] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 144 and the control limits were 68 to 133.
- [6] The QC sample type LCSD for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 150 and the control limits were 68 to 133.
- [7] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methyl acetate. The % Recovery was reported as 138 and the control limits were 70 to 130.
- [8] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Benzene. The % Recovery was reported as 57.2 and the control limits were 75 to 132.
- [9] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Bromochloromethane. The % Recovery was reported as 67.2 and the control limits were 71 to 120.
- [10] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Bromodichloromethane. The % Recovery was reported as 61.1 and the control limits were 74 to 127.
- [11] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Bromoform. The % Recovery was reported as 66.5 and the control limits were 68 to 131.
- [12] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Bromomethane. The % Recovery was reported as 41.8 and the control limits were 43 to 148.
- [13] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Carbon Disulfide. The % Recovery was reported as 37.7 and the control limits were 47 to 144.
- [14] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Carbon Tetrachloride. The % Recovery was reported as 63.3 and the control limits were 64 to 136.
- [15] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Chlorobenzene. The % Recovery was reported as 61.1 and the control limits were 76 to 125.
- [16] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Chlorodibromomethane. The % Recovery was reported as 67.9 and the control limits were 75 to 124.

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1067489 AMW

PARAMETER QUALIFIERS\FLAGS

- [17] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Chloroform. The % Recovery was reported as 58.7 and the control limits were 73 to 126.
- [18] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Cyclohexane. The % Recovery was reported as 52.1 and the control limits were 62 to 143.
- [19] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,2-Dibromoethane. The % Recovery was reported as 73.9 and the control limits were 76 to 127.
- [20] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,2-Dichlorobenzene. The % Recovery was reported as 65.2 and the control limits were 75 to 126.
- [21] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,3-Dichlorobenzene. The % Recovery was reported as 61 and the control limits were 72 to 127.
- [22] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,4-Dichlorobenzene. The % Recovery was reported as 61.7 and the control limits were 72 to 126.
- [23] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,1-Dichloroethane. The % Recovery was reported as 54.4 and the control limits were 74 to 131.
- [24] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,2-Dichloroethane. The % Recovery was reported as 63.8 and the control limits were 69 to 132.
- [25] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,1-Dichloroethene. The % Recovery was reported as 47.4 and the control limits were 59 to 139.
- [26] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte cis-1,2-Dichloroethene. The % Recovery was reported as 60 and the control limits were 75 to 128.
- [27] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte trans-1,2-Dichloroethene. The % Recovery was reported as 56.7 and the control limits were 66 to 133.
- [28] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,2-Dichloropropane. The % Recovery was reported as 61.3 and the control limits were 78 to 131.
- [29] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte cis-1,3-Dichloropropene. The % Recovery was reported as 60.6 and the control limits were 76 to 123.
- [30] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte trans-1,3-Dichloropropene. The % Recovery was reported as 63.9 and the control limits were 77 to 123.
- [31] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Ethylbenzene. The % Recovery was reported as 59.1 and the control limits were 73 to 133.
- [32] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Isopropylbenzene. The % Recovery was reported as 59.4 and the control limits were 71 to 137.

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1067489 AMW

PARAMETER QUALIFIERS\FLAGS

- [33] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Methyl cyclohexane. The % Recovery was reported as 61.5 and the control limits were 70 to 130.
- [34] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Styrene. The % Recovery was reported as 47 and the control limits were 77 to 130.
- [35] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Tetrachloroethene. The % Recovery was reported as 56.5 and the control limits were 58 to 137.
- [36] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Toluene. The % Recovery was reported as 57.6 and the control limits were 73 to 129.
- [37] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,1,1-Trichloroethane. The % Recovery was reported as 53.6 and the control limits were 68 to 131.
- [38] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,1,2-Trichloroethane. The % Recovery was reported as 67.5 and the control limits were 79 to 123.
- [39] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Trichloroethene. The % Recovery was reported as 59.9 and the control limits were 72 to 129.
- [40] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,2,4-Trimethylbenzene. The % Recovery was reported as 58.3 and the control limits were 70 to 131.
- [41] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte 1,3,5-Trimethylbenzene. The % Recovery was reported as 59.2 and the control limits were 71 to 132.
- [42] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte o-Xylene. The % Recovery was reported as 61.8 and the control limits were 75 to 129.
- [43] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte mp-Xylene. The % Recovery was reported as 61 and the control limits were 72 to 130.
- [44] The surrogate Phenol-d5 for method SW846 8270D was outside of control limits. The % Recovery was reported as 106 and the control limits were 40 to 100. This result was reported at a dilution of 4.
- [45] The surrogate 2-Fluorobiphenyl for method SW846 8270D was outside of control limits. The % Recovery was reported as 107 and the control limits were 45 to 105. This result was reported at a dilution of 4.
- [46] The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 133 and the control limits were 38 to 113. This result was reported at a dilution of 4.
- [47] The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 122 and the control limits were 38 to 113. This result was reported at a dilution of 4.
- [48] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Benzo(a)anthracene. The RPD was reported as 200 and the upper control limit is 22.

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1067489 AMW

PARAMETER QUALIFIERS\FLAGS

- [49] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Benzo(a)pyrene. The RPD was reported as 200 and the upper control limit is 24.
- [50] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Benzo(b)fluoranthene. The RPD was reported as 31 and the upper control limit is 28.
- [51] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Chrysene. The RPD was reported as 34.5 and the upper control limit is 20.
- [52] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Fluoranthene. The RPD was reported as 40.3 and the upper control limit is 21.
- [53] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Pyrene. The RPD was reported as 42.2 and the upper control limit is 20.
- [54] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte Acenaphthene. The % Recovery was reported as 54.7 and the control limits were 55 to 104.
- [55] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte Biphenyl. The % Recovery was reported as 48.7 and the control limits were 53 to 105.
- [56] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 2-Chloronaphthalene. The % Recovery was reported as 46.9 and the control limits were 51 to 101.
- [57] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte Dibenzofuran. The % Recovery was reported as 57 and the control limits were 59 to 105.
- [58] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte Hexachlorocyclopentadiene. The % Recovery was reported as 17.2 and the control limits were 26 to 96.
- [59] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 2-Methylnaphthalene. The % Recovery was reported as 48.3 and the control limits were 52 to 99.
- [60] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 1,2,4,5-Tetrachlorobenzene. The % Recovery was reported as 43.1 and the control limits were 50 to 102.

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**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT!
SAMPLER INSTRUCTIONS ON THE BACK.

Page of
 Courier:
 Tracking #:

34 Dogwood Lane
Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430

Co. Name: EarthRes
 Contact (Hospital): Scott Campbell
 Address: 6912 Old Easton Road
PO BOX 468
Pipersville, PA 18947

Phone: 215-766-1211

POB:

Project Name#: ERG/AMW ALS Quots #:

TAT: Normal Standard TAT is 10-12 business days.
 Rush Subject to ALS approval and surcharge.

Email? Y N Email: scampbell@earthres.com

Fax? Y N

Sample Description/Location <small>(i.e. I will appear on the lab report)</small>	COC Comments	Sample Date	Military Time	Matrix	
				G	S
1 P25-A		1/13/14	0930	G	S
2 P26-A		1/13/14	0950	G	S
3 P26-B		1/13/14	1000	G	S
4 P20-A		1/13/14	1020	G	S
5 P27-A	Elcumb PSD, sm, s, oar	1/13/14	1050	G	S
6 P27-B		1/13/14	1110	G	S
7 P27-C		1/13/14	1120	G	S
8 P28-A		1/13/14	1150	G	S

Project Comments: BWK 11/17/14
11/17/14

SAMPLED BY (Please Print): Ryan Connellan

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<u>Ryan Connellan</u>	<u>1/13/14</u>	<u>1440</u>	<u>Scott Campbell</u>	<u>1/14/14</u>	<u>1640</u>
<u>Scott Campbell</u>	<u>1/13</u>	<u>1320</u>	<u>D. J. Lamb</u>	<u>1/13/14</u>	<u>151330</u>
<u>D. J. Lamb</u>	<u>1/13</u>	<u>1415</u>	<u>Johnathan</u>	<u>1/13/14</u>	<u>1610</u>
<u>Johnathan</u>	<u>1/13/14</u>	<u>1600</u>			

Container Type: CG Amber Glass; AG Amber Glass; CG Clear Glass; PL Plastic; Container Size: 250ml, 500ml, 1L, 5oz, etc. Preservative: NCI, HNO3, NaOH, etc.

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34 Dogwood Lane
 Middletown, PA 17057
 P. 717-944-5541
 F. 717-944-1430



Environmental

Co. Name: Earthkes
 Contact (Person): Scott Lumpbell
 Address: 6912 Old Easton Road
PO Box 468
Pipesville, PA 18947
 Phone: 215-766-1211

Bill to (if different than Report to): _____ PO#: _____

Project Name#: ERG/AMW ALS Quote #: _____
 TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Date Required: _____ Approved By: _____
 Email? Y N scumpbell@earthkes.com

Sample Description/Location (See if will analyze on the lab report)
 Sample Date Military Time
 1 P29-A Eleventh Rd, Shady Grove 1/19/14 12:10 G 50
 2 P28-B 1/19/14 12:00 G 50
 3 P29-B 1/19/14 12:20 G 50
 4 P30-A 1/19/14 13:10 G 50
 5 P30-B 1/19/14 13:50 G 50
 6 P31-A 1/19/14 13:40 G 50
 7 P31-B 1/19/14 13:50 G 50
 8 P32-A 1/19/14 14:10 G 50

Sample No.	Sample Date	Military Time	Matrix	Enter Number of Containers Per Analysis
1	1/19/14	12:10	G 50	3
2	1/19/14	12:00	G 50	3
3	1/19/14	12:20	G 50	3
4	1/19/14	13:10	G 50	3
5	1/19/14	13:50	G 50	3
6	1/19/14	13:40	G 50	3
7	1/19/14	13:50	G 50	3
8	1/19/14	14:10	G 50	3

Project Comments: ERG/AMW

SAMPLED BY (Please Print):	Date	Time	Received By / Company Name	Date	Time
<u>Ryan Connellan</u>	<u>1/14/14</u>	<u>14:40</u>	<u>Scott Lumpbell</u>	<u>1/14/14</u>	<u>14:00</u>
	<u>1/15</u>	<u>13:30</u>	<u>D. Tomber</u>	<u>1/15</u>	<u>13:30</u>
	<u>1/15</u>	<u>22:00</u>	<u>John Thomas</u>	<u>1/14</u>	<u>19:50</u>

Receipt Information (Completed by ALS)	Container Type	Container Size	Preservative	ANALYSIS METHOD REQUESTED	Notes
Performed by: <u>SFS</u> Cooler Temp: <u>5</u> Therm. ID: <u>TH215</u> No. of Coolers: <u>2</u>	<u>UG</u>	<u>AG</u>	<u>AG</u>	<u>AG</u>	<u>BNA, PCB, RLCA Meth</u>
Correct container? <input checked="" type="checkbox"/>	Correct sample volume? <input checked="" type="checkbox"/>	Correct preservation? <input checked="" type="checkbox"/>	Headspace/Volatiles? <input checked="" type="checkbox"/>	CO Labels complete/accurate? <input checked="" type="checkbox"/>	Container in good condition? <input checked="" type="checkbox"/>
ALS FIELD SERVICES: <input type="checkbox"/> Pickup <input type="checkbox"/> Labor <input type="checkbox"/> Composite Sampling <input type="checkbox"/> Rental Equipment <input type="checkbox"/> Other: _____					

Copies: WHITE - ORIGINAL - CANNARY - CUSTOMER COPY
 * G=Grab; C=Composite
 **Matrix: Air=Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SC=Soil; WP=Water; WW=Wastewater
 ***Container Type: AG=Amber Glass; CG=Clear Glass, PL=Plastic. Container Size: 250ml, 500ml, 1L, 5L, etc. Preservative: HCl, HNO3, NaOH, etc.
 Rev 01/2013

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ALS Environmental



34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224, DE ID 11, GA 914, MA PA0102, MD 128, LA 04162, VA 421, WY EPA Region 8, WV 343

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CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS

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Middletown, PA 17057
P. 717-944-5541
F. 717-944-1430



Co. Name: EarthRes
Contact (Report to): Scott Campbell
Address: 6912 Old Easton Road
PO Box 468
Pipersville, PA 18947
Phone: 215-766-1211

Project Name#: EarthRes/AMW
ALS Quote #:
Date Required:
Approved By:
Email? [X] Y [] N
Fax? [] Y [] N
www.earthres.com

Sample Date:
Sample Time:
Military Time:
COC Comments:
Date:
Time:
Received By / Company Name:
Date:
Time:
Relinquished By / Company Name:
Date:
Time:
Project Comments:

Table with columns: Sample No., Sample Date, Sample Time, Military Time, VOCs, PA DEP Fuel Oil #2, BNA, PCB, RCRA Metals, PA DEP Fuel Oil #2, Enter Number of Containers Per Analysis, Standard, CLP-able, NU-Reduced, NU-Full, Data Deliverables, SWA, State Samples Collected in?

Receipt Information
Headspace/Voliles?
Correct preservation?
Correct sample volume?
Correct containers?
COC Labels complete/accurate?
Received on lot?
(If present) Seals intact?
Custody seals Present?
Container in good condition?
ALS FIELD SERVICES
Pickup
Labor
Composite Sampling
Rental Equipment
Other:

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34 Dogwood Lane • Middletown, PA 17057 • 717-944-5541 • Fax: 717-944-1430

Co. Name: EarthRes
Contact: Scott Campbell
Address: 6712 Old Easton Rd,
 PO Box 488
 Pipersville, PA 18947

Phone: 215-766-1211

Project Name#: ER6/AMW

ALSJ Quote #:

Date Required:

Approved By:

Bill to: ALS Environmental

Page 1 of 1

Courier: 1000# 7489

Tracking #: 1000# 7489

Container Information

Prepared by	Container Type	Container Size	Preparation
SF	CG AG	40ml	1/1/12

Cooler Temp: 5

Therm. ID: TH2LS

No. of Coolers: 2

Notes:

ANALYSES/METHOD REQUESTED

PA DEP Part 01 #2-a
VOLCS
VOLCS
GNA, PLB, RCR, Mch 15

Enter Number of Containers Per Analysis

Sample Description/Location	Sample Date	Military Time	Matrix	Enter Number of Containers Per Analysis
1 P37-A	1/14/14	0850	G	3
2 P38-A	1/14/14	0900	G	3
3 P39-A	1/14/14	0920	G	3
4 P42-A - Both S capped as 41A SFS	1/14/14	1500	G	3
5 P47-A	1/14/14	1220	G	3
6 P47-B	1/14/14	1240	G	3
7 P48-A	1/14/14	1330	G	3
8 P48-B	1/14/14	1340	G	3

LOGGED BY: Ryan Conellan
REVIEWED BY: Ryan Conellan

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 Ryan Conellan	1/14/14	1440	2 Scott Campbell	1/14/14	1440
3 Scott Campbell	1/15	1330	4 Ryan Conellan	1/15	1330
5 Ryan Conellan	1/15	1135	6 John Thoms	1/15	1830
7 John Thoms	1/14	2200	8 Ryan Conellan	1/14	1830
			9		
			10		

RECEIVED INFORMATION

Correct containers?	Y
(if present) Seals intact?	Y
Received on lot?	Y
COI Labels complete/accurate?	Y
Container in good condition?	Y

ALS FIELD SERVICES

Fieldup	<input type="checkbox"/>
Labor	<input type="checkbox"/>
Composite Sampling	<input type="checkbox"/>
Rental Equipment	<input type="checkbox"/>
Other	<input type="checkbox"/>

DATA DELIVERABLES

Standard	<input type="checkbox"/>
CLP-146	<input type="checkbox"/>
NJ-Reduced	<input type="checkbox"/>
NJ-Fill	<input type="checkbox"/>
Other	<input type="checkbox"/>

STATS

Family	Yes	No
PA	Yes	No
NY	Yes	No
Other	Yes	No

EDS

EDS # 11614 1833

DOB Criteria Required? NO

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 Counter: 1067489
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34 Dogwood Lane
 Middletown, PA 17057
 P: 717-944-5541
 F: 717-944-1430



Environmental

Co. Name: EarthRes
 Contact (Report to): Scott Campbell
 Address: 6912 Old Easton Rd.
PO Box 468
Pipersville, PA 18947

Phone: 215-766-1211

Bill to (reference this Report to): _____
 PO#: _____
 Project Name#: EarthRes / AMW ALS Quote #: _____
 TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Email? Y N
 Fax? Y N
 Approved By: _____
 Date Required: _____

Container Type: CG AG AG AG
 Container Size: 40ml 250ml 8oz
 Preservation: _____
 ANALYSES/METHOD REQUESTED
VOCS
VOCS
PCB, BNA, REA Metals

Receipt Information (Completed by Sampler/Parental)
 Verified by: SFB
 Cooler Temp: 5
 Therm. ID: TH215
 No. of Coolers: 2
 Notes: _____

Sample ID	Sample Date	Military Time	COC Comments	Enter Number of Containers Per Analysis
1 P49-A	1/14/14	1400		3
2 DUP 4	1/14/14	1410		3
3 P49-B	1/14/14	1410		3
4 P50-A	1/14/14	1430		3
5 P50-B	1/14/14	1440		3
6 P51-A	1/14/14	1500		3
7 P51-B	1/14/14	1510		3

Sample ID	Date	Time	Received By / Company Name
1	1/14/14	1440	Scott Campbell
3	1/15/14	1530	D. Tombo
5	1/15/14	1530	D. Tombo
7	1/14/14	1510	D. Tombo

Standard	CLP-like	NA-Reduced	NA-Full
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SWA	State Samples
Form 100	Subtotal 100
Form 101	Subtotal 101
Form 102	Subtotal 102
Form 103	Subtotal 103
Form 104	Subtotal 104

Project Comments: EarthRes
 Relinquished By / Company Name: _____
 Date: _____
 Relinquished By / Company Name: _____
 Date: _____
 Relinquished By / Company Name: _____
 Date: _____
 Relinquished By / Company Name: _____
 Date: _____

*G-Grab; Cc-Cooperative
 **Matrix: Air-Air; DW-Drinking Water; GW-Groundwater; Or-Oil; OL-Other Liquid; SL-Sludge; SQ-Soil; WP-Water; WW-Wastewater
 ***Container Type: AG-Amber Glass; CG-Other Glass; PL-Plastics; Container Size: 250ml, 500ml, 1L, Etc., etc. Preservation: HCl, HNO3, H2SO4, etc.
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ALS Environmental



34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010, NY 11759, PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224, DE ID 11, GA 914, MA PA0102, MD 128, LA 04162, VA 421, WY EPA Region 8, WV 343

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P. 717-944-5541
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Form containing client information (EarthRes), project details (EarthRes/AMW), sample list (1 Field Blank 2), analysis methods (VOCs, RCRA Metals), and custody chain table.

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Analytical Laboratory Services, Inc.
Environmental • Industrial/Hygiene • Field Services
 34 Dogwood Lane • Middletown, PA 17057 • 717-944-5541 • Fax: 717-944-1430

Co. Name: *Enviro*
 Contact: *Scott Campbell*
 Address: *617 Old Earth Rd.
 PO Box 468
 Pipeville, PA 8247*

Phone: *215-766-2111*

Bill to: _____ PO#: _____

Project Name#: *ER6/ANW* ALSI Quote #: _____
Terms: Standard T&C, 10-12 business days.
 Risk-Subject to ALS' approval and surcharges.

TAT: _____
 Email? *simple@earth.com*
 Fax?

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**

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CONTAINER INFORMATION

Container Type	<i>AG 6L CG</i>
Container Size	<i>6L</i>
Preservative	<i>None</i>

ANALYSIS METHOD REQUESTED

<i>ICR, RB, 16, SWC</i>	<i>VOCS</i>
-------------------------	-------------

ENTER NUMBER OF CONTAINERS PER ANALYSIS

1	<i>Field Blank 3</i>	<i>2</i>	<i>1</i>	<i>2</i>
2				
3				
4				
5				
6				
7				
8				

LOGGED BY (Signature): *[Signature]* **DATE:** *11/14/13*

REVIEWED BY (Signature): *[Signature]*

Retrieved By / Company Name	Date	Time	Retrieved By / Company Name	Date	Time
<i>Ryan Lovell</i>	<i>11/14</i>	<i>1640</i>	<i>Scott Campbell</i>	<i>11/14</i>	<i>0800</i>
<i>Scott Campbell</i>	<i>11/15</i>	<i>1320</i>	<i>John H. [unclear]</i>	<i>11/15</i>	<i>1330</i>
<i>John H. [unclear]</i>	<i>11/14</i>	<i>2000</i>			

Receipt Information
Initiated by: Scott Campbell
 Performed by: *SCB*
 Cooler Temp: *5*
 Therm. ID: *TH15*
 No. of Coolers: *2*

Notes:

Container Information
 Circle appropriate Y or N.
 Correct containers? Y
 Correct sample volume? Y
 Correct preservation? Y
 Headspace/Voliles? Y
 Received on ice? Y
 (If present) Seals intact? Y
 Custody seals present? Y
 COD labels completed/secured? Y
 Container in good condition? Y

ALS FIELD SERVICES
 Pickup
 Labor
 Composite Sampling
 Special Equipment
 Other

DATA DELIVERABLES
 Standard: C-14-0
 N-16-0-0-0
 N-F-1
 1 yr. turn out
 Other: _____
 EPA: _____
 DOC Criteria Required?

STATISTICS
 Formed: YES NO
 Data used by: MD NY PA

Page _____ of _____
 Counter: _____
 Tracking #: *1067489*

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January 23, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 1067009
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell,

Enclosed are the analytical results for samples received by the laboratory on Monday, January 13, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Vicki Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903


Vicki Forney
Project Coordinator

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

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SAMPLE SUMMARY

Workorder: 1067009 AMW

Discard Date: 02/06/2014

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1067009001	P17-A	Solid	1/10/14 09:40	1/13/14 20:30	Customer
1067009002	P18-A	Solid	1/10/14 10:10	1/13/14 20:30	Customer
1067009003	P19-A	Solid	1/10/14 10:40	1/13/14 20:30	Customer
1067009004	P22-A	Solid	1/10/14 13:20	1/13/14 20:30	Customer
1067009005	P23-A	Solid	1/10/14 14:10	1/13/14 20:30	Customer
1067009006	DUP-2	Solid	1/10/14 14:30	1/13/14 20:30	Customer
1067009007	P24-A	Solid	1/13/14 08:50	1/13/14 20:30	Customer
1067009008	P24-B	Solid	1/13/14 09:00	1/13/14 20:30	Customer

Workorder Comments:

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009001**
 Sample ID: **P17-A**

 Date Collected: 1/10/2014 09:40 Matrix: Solid
 Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	37.6		ug/kg	7.0	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Benzene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Bromochloromethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Bromodichloromethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Bromoform	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Bromomethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
2-Butanone	ND		ug/kg	7.0	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Carbon Disulfide	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Carbon Tetrachloride	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Chlorobenzene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Chlorodibromomethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Chloroethane	ND		ug/kg	3.5	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Chloroform	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Chloromethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Cyclohexane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,2-Dibromoethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,2-Dichlorobenzene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,3-Dichlorobenzene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,4-Dichlorobenzene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Dichlorodifluoromethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,1-Dichloroethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,2-Dichloroethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,1-Dichloroethene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,2-Dichloropropane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,4-Dioxane	ND		ug/kg	52.6	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Ethylbenzene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Freon 113	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
2-Hexanone	ND		ug/kg	7.0	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Isopropylbenzene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Methyl acetate	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Methyl cyclohexane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Methyl t-Butyl Ether	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	7.0	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Methylene Chloride	ND	1,2	ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009001**
 Sample ID: **P17-A**

 Date Collected: 1/10/2014 09:40 Matrix: Solid
 Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Tetrachloroethene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Toluene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	3.5	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,1,1-Trichloroethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
1,1,2-Trichloroethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Trichloroethene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Trichlorofluoromethane	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Vinyl Chloride	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
o-Xylene	ND		ug/kg	1.4	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
mp-Xylene	ND		ug/kg	2.8	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	73.3		%	56-124	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
4-Bromofluorobenzene (S)	92.6		%	51-128	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Dibromofluoromethane (S)	78		%	62-123	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A
Toluene-d8 (S)	83.6		%	59-131	SW846 8260B	1/10/14	DD	1/15/14 08:30	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Acenaphthylene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Acetophenone	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Anthracene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Atrazine	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Benzaldehyde	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Benzo(a)anthracene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Benzo(a)pyrene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Biphenyl	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Butylbenzylphthalate	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Caprolactam	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Carbazole	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
4-Chloroaniline	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009001**

Date Collected: 1/10/2014 09:40

Matrix: Solid

 Sample ID: **P17-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2-Chloronaphthalene	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2-Chlorophenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Chrysene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
mp-Cresol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
o-Cresol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Di-n-Butylphthalate	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Dibenzofuran	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	637	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2,4-Dichlorophenol	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Diethylphthalate	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Dimethylphthalate	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2,4-Dinitrophenol	ND		ug/kg	850	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Fluoranthene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Fluorene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Hexachlorobenzene	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Hexachlorobutadiene	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Hexachloroethane	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Isophorone	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2-Methylnaphthalene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Naphthalene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2-Nitroaniline	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
3-Nitroaniline	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
4-Nitroaniline	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Nitrobenzene	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2-Nitrophenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
4-Nitrophenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Pentachlorophenol	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Phenanthrene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009001**

Date Collected: 1/10/2014 09:40

Matrix: Solid

 Sample ID: **P17-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Pyrene	ND		ug/kg	212	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1150	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	425	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	79.1		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2-Fluorobiphenyl (S)	73.5		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
2-Fluorophenol (S)	77.5		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Nitrobenzene-d5 (S)	65.3		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Phenol-d5 (S)	76.1		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D
Terphenyl-d14 (S)	86.9		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 15:49	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Aroclor-1221	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Aroclor-1232	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Aroclor-1242	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Aroclor-1248	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Aroclor-1254	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Aroclor-1260	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Aroclor-1262	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Aroclor-1268	ND		mg/kg	0.036	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	43.1	3	%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D
Tetrachloro-m-xylene (S)	53.2		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 16:48	RWS	D

WET CHEMISTRY

Moisture	10.1		%	0.1	S2540G-97			1/15/14 03:57	ECI	A
Total Solids	89.9		%	0.1	S2540G-97			1/15/14 03:57	ECI	A

METALS

Arsenic, Total	ND		mg/kg	19.2	SW846 6010C	1/15/14	AAM	1/16/14 05:40	SRT	D1
Barium, Total	29.7		mg/kg	9.6	SW846 6010C	1/15/14	AAM	1/16/14 05:40	SRT	D1
Cadmium, Total	ND		mg/kg	4.8	SW846 6010C	1/15/14	AAM	1/16/14 05:40	SRT	D1
Chromium, Total	ND		mg/kg	9.6	SW846 6010C	1/15/14	AAM	1/16/14 05:40	SRT	D1
Lead, Total	20.5		mg/kg	19.2	SW846 6010C	1/15/14	AAM	1/16/14 05:40	SRT	D1
Mercury, Total	ND		mg/kg	0.056	SW846 7471B	1/23/14	MRT	1/23/14 11:13	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009001**

Date Collected: 1/10/2014 09:40

Matrix: Solid

Sample ID: **P17-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	47.9	SW846 6010C	1/15/14	AAM	1/16/14 05:40	SRT	D1
Silver, Total	ND		mg/kg	4.8	SW846 6010C	1/15/14	AAM	1/16/14 05:40	SRT	D1

Sample Comments:

Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009002**
 Sample ID: **P18-A**

 Date Collected: 1/10/2014 10:10 Matrix: Solid
 Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	39.4		ug/kg	7.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Benzene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Bromochloromethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Bromodichloromethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Bromoform	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Bromomethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
2-Butanone	ND		ug/kg	7.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Carbon Disulfide	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Carbon Tetrachloride	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Chlorobenzene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Chlorodibromomethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Chloroethane	ND		ug/kg	3.7	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Chloroform	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Chloromethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Cyclohexane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,2-Dibromoethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,2-Dichlorobenzene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,3-Dichlorobenzene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,4-Dichlorobenzene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Dichlorodifluoromethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,1-Dichloroethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,2-Dichloroethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,1-Dichloroethene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,2-Dichloropropane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,4-Dioxane	ND		ug/kg	56.0	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Ethylbenzene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Freon 113	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
2-Hexanone	ND		ug/kg	7.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Isopropylbenzene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Methyl acetate	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Methyl cyclohexane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Methyl t-Butyl Ether	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	7.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Methylene Chloride	2.0	1,2	ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009002**

Date Collected: 1/10/2014 10:10

Matrix: Solid

 Sample ID: **P18-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Tetrachloroethene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Toluene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	3.7	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	3.7	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,1,1-Trichloroethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
1,1,2-Trichloroethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Trichloroethene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Trichlorofluoromethane	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Vinyl Chloride	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
o-Xylene	ND		ug/kg	1.5	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
mp-Xylene	ND		ug/kg	3.0	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	72.3		%	56-124	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
4-Bromofluorobenzene (S)	95.4		%	51-128	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Dibromofluoromethane (S)	79.7		%	62-123	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A
Toluene-d8 (S)	82.7		%	59-131	SW846 8260B	1/10/14	DD	1/15/14 08:53	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Acenaphthylene	ND		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Acetophenone	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Anthracene	ND	4	ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Atrazine	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Benzaldehyde	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Benzo(a)anthracene	ND		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Benzo(a)pyrene	ND	5	ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Benzo(b)fluoranthene	ND	6	ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Benzo(g,h,i)perylene	ND	7	ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Benzo(k)fluoranthene	ND	8	ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Biphenyl	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Butylbenzylphthalate	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Caprolactam	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Carbazole	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
4-Chloroaniline	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009002**
 Sample ID: **P18-A**

 Date Collected: 1/10/2014 10:10 Matrix: Solid
 Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2-Chloronaphthalene	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2-Chlorophenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Chrysene	ND	9	ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
mp-Cresol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
o-Cresol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Di-n-Butylphthalate	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Dibenzofuran	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	713	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2,4-Dichlorophenol	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Diethylphthalate	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Dimethylphthalate	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2,4-Dinitrophenol	ND		ug/kg	951	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Fluoranthene	487		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Fluorene	ND		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Hexachlorobenzene	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Hexachlorobutadiene	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Hexachloroethane	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Isophorone	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2-Methylnaphthalene	ND		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Naphthalene	ND		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2-Nitroaniline	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
3-Nitroaniline	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
4-Nitroaniline	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Nitrobenzene	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2-Nitrophenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
4-Nitrophenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Pentachlorophenol	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Phenanthrene	331		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009002**

Date Collected: 1/10/2014 10:10

Matrix: Solid

 Sample ID: **P18-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Pyrene	477		ug/kg	238	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1280	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	475	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	75.7		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2-Fluorobiphenyl (S)	73		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
2-Fluorophenol (S)	79.2		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Nitrobenzene-d5 (S)	74.3		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Phenol-d5 (S)	79.4		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D
Terphenyl-d14 (S)	83.3		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 16:13	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Aroclor-1221	ND		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Aroclor-1232	ND		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Aroclor-1242	ND		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Aroclor-1248	ND		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Aroclor-1254	ND		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Aroclor-1260	0.079		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Aroclor-1262	ND		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Aroclor-1268	ND		mg/kg	0.038	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	62.1		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D
Tetrachloro-m-xylene (S)	73.4		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 17:24	RWS	D

WET CHEMISTRY

Moisture	15.9		%	0.1	S2540G-97			1/15/14 03:57	ECI	A
Total Solids	84.1		%	0.1	S2540G-97			1/15/14 03:57	ECI	A

METALS

Arsenic, Total	3.3		mg/kg	2.2	SW846 6010C	1/15/14	AAM	1/16/14 04:08	SRT	D1
Barium, Total	88.3		mg/kg	1.1	SW846 6010C	1/15/14	AAM	1/16/14 04:08	SRT	D1
Cadmium, Total	1.6		mg/kg	0.56	SW846 6010C	1/15/14	AAM	1/16/14 04:08	SRT	D1
Chromium, Total	17.6		mg/kg	1.1	SW846 6010C	1/15/14	AAM	1/16/14 04:08	SRT	D1
Lead, Total	106	10	mg/kg	2.2	SW846 6010C	1/15/14	AAM	1/16/14 04:08	SRT	D1
Mercury, Total	0.069		mg/kg	0.056	SW846 7471B	1/23/14	MRT	1/23/14 11:14	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009002**

Date Collected: 1/10/2014 10:10

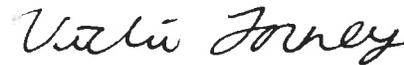
Matrix: Solid

Sample ID: **P18-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	5.6	SW846 6010C	1/15/14	AAM	1/16/14 04:08	SRT	D1
Silver, Total	ND		mg/kg	0.56	SW846 6010C	1/15/14	AAM	1/16/14 04:08	SRT	D1

Sample Comments:



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009003**

Date Collected: 1/10/2014 10:40

Matrix: Solid

 Sample ID: **P19-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	7.7		ug/kg	6.5	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Benzene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Bromochloromethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Bromodichloromethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Bromoform	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Bromomethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
2-Butanone	ND		ug/kg	6.5	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Carbon Disulfide	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Carbon Tetrachloride	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Chlorobenzene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Chlorodibromomethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Chloroethane	ND		ug/kg	3.2	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Chloroform	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Chloromethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Cyclohexane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,2-Dibromoethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,2-Dichlorobenzene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,3-Dichlorobenzene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,4-Dichlorobenzene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Dichlorodifluoromethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,1-Dichloroethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,2-Dichloroethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,1-Dichloroethene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,2-Dichloropropane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,4-Dioxane	ND		ug/kg	48.7	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Ethylbenzene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Freon 113	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
2-Hexanone	ND		ug/kg	6.5	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Isopropylbenzene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Methyl acetate	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Methyl cyclohexane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Methyl t-Butyl Ether	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	6.5	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Methylene Chloride	ND	1,2	ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009003**
 Sample ID: **P19-A**

 Date Collected: 1/10/2014 10:40 Matrix: Solid
 Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Tetrachloroethene	26.3		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Toluene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,1,1-Trichloroethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
1,1,2-Trichloroethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Trichloroethene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Trichlorofluoromethane	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Vinyl Chloride	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
o-Xylene	ND		ug/kg	1.3	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
mp-Xylene	ND		ug/kg	2.6	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	76.6		%	56-124	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
4-Bromofluorobenzene (S)	93.3		%	51-128	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Dibromofluoromethane (S)	77.8		%	62-123	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A
Toluene-d8 (S)	82.5		%	59-131	SW846 8260B	1/10/14	DD	1/15/14 09:16	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Acenaphthylene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Acetophenone	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Anthracene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Atrazine	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Benzaldehyde	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Benzo(a)anthracene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Benzo(a)pyrene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Biphenyl	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Butylbenzylphthalate	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Caprolactam	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Carbazole	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
4-Chloroaniline	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009003**
 Sample ID: **P19-A**

 Date Collected: 1/10/2014 10:40 Matrix: Solid
 Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2-Chloronaphthalene	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2-Chlorophenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Chrysene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
mp-Cresol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
o-Cresol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Di-n-Butylphthalate	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Dibenzofuran	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	738	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2,4-Dichlorophenol	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Diethylphthalate	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Dimethylphthalate	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2,4-Dinitrophenol	ND		ug/kg	984	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Fluoranthene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Fluorene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Hexachlorobenzene	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Hexachlorobutadiene	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Hexachloroethane	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Isophorone	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2-Methylnaphthalene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Naphthalene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2-Nitroaniline	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
3-Nitroaniline	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
4-Nitroaniline	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Nitrobenzene	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2-Nitrophenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
4-Nitrophenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Pentachlorophenol	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Phenanthrene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009003**

Date Collected: 1/10/2014 10:40

Matrix: Solid

 Sample ID: **P19-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Pyrene	ND		ug/kg	246	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1330	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	492	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	72.6		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2-Fluorobiphenyl (S)	72.8		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
2-Fluorophenol (S)	74.7		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Nitrobenzene-d5 (S)	71.3		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Phenol-d5 (S)	75.2		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D
Terphenyl-d14 (S)	82.2		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 17:02	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Aroclor-1221	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Aroclor-1232	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Aroclor-1242	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Aroclor-1248	0.10		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Aroclor-1254	0.26		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Aroclor-1260	0.15		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Aroclor-1262	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Aroclor-1268	ND		mg/kg	0.039	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	70.9		%	46-120	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D
Tetrachloro-m-xylene (S)	92.9		%	52-115	SW846 8082A	1/17/14	JJP	1/21/14 17:33	RWS	D

WET CHEMISTRY

Moisture	18.7		%	0.1	S2540G-97			1/15/14 03:57	ECI	A
Total Solids	81.3		%	0.1	S2540G-97			1/15/14 03:57	ECI	A

METALS

Arsenic, Total	5.9		mg/kg	4.5	SW846 6010C	1/15/14	AAM	1/16/14 06:15	SRT	D1
Barium, Total	49.1		mg/kg	1.1	SW846 6010C	1/15/14	AAM	1/16/14 04:19	SRT	D1
Cadmium, Total	1.5		mg/kg	1.1	SW846 6010C	1/15/14	AAM	1/16/14 06:15	SRT	D1
Chromium, Total	11.3		mg/kg	2.2	SW846 6010C	1/15/14	AAM	1/16/14 06:15	SRT	D1
Lead, Total	148		mg/kg	4.5	SW846 6010C	1/15/14	AAM	1/16/14 06:15	SRT	D1
Mercury, Total	0.11		mg/kg	0.053	SW846 7471B	1/23/14	MRT	1/23/14 11:15	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009003**

Date Collected: 1/10/2014 10:40

Matrix: Solid

Sample ID: **P19-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	11.2	SW846 6010C	1/15/14	AAM	1/16/14 06:15	SRT	D1
Silver, Total	ND		mg/kg	1.1	SW846 6010C	1/15/14	AAM	1/16/14 06:15	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009004**

Date Collected: 1/10/2014 13:20

Matrix: Solid

Sample ID: **P22-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	57.2	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
Ethylbenzene	ND		ug/kg	57.2	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
Isopropylbenzene	ND		ug/kg	57.2	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
Methyl t-Butyl Ether	ND		ug/kg	57.2	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
Naphthalene	ND		ug/kg	114	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
Toluene	ND		ug/kg	57.2	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
1,2,4-Trimethylbenzene	ND		ug/kg	57.2	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
1,3,5-Trimethylbenzene	ND		ug/kg	57.2	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	99.4		%	71-146	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
4-Bromofluorobenzene (S)	112		%	46-138	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
Dibromofluoromethane (S)	112		%	42-143	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
Toluene-d8 (S)	119		%	54-141	SW846 8260B	1/10/14	JPA	1/15/14 17:25	JPA	A
WET CHEMISTRY										
Moisture	17.0		%	0.1	S2540G-97			1/15/14 03:57	ECI	A
Total Solids	83.0		%	0.1	S2540G-97			1/15/14 03:57	ECI	A

Sample Comments:


Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009005**

Date Collected: 1/10/2014 14:10

Matrix: Solid

 Sample ID: **P23-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	56.8	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
Ethylbenzene	ND		ug/kg	56.8	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
Isopropylbenzene	ND		ug/kg	56.8	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
Methyl t-Butyl Ether	ND		ug/kg	56.8	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
Naphthalene	ND		ug/kg	114	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
Toluene	ND		ug/kg	56.8	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
1,2,4-Trimethylbenzene	ND		ug/kg	56.8	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
1,3,5-Trimethylbenzene	ND		ug/kg	56.8	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	81		%	71-146	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
4-Bromofluorobenzene (S)	89.7		%	46-138	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
Dibromofluoromethane (S)	90		%	42-143	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
Toluene-d8 (S)	100		%	54-141	SW846 8260B	1/10/14	JPA	1/15/14 17:55	JPA	A
WET CHEMISTRY										
Moisture	18.7		%	0.1	S2540G-97			1/15/14 03:57	ECI	A
Total Solids	81.3		%	0.1	S2540G-97			1/15/14 03:57	ECI	A

Sample Comments:


 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009006**

Date Collected: 1/10/2014 14:30

Matrix: Solid

Sample ID: **DUP-2**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Benzene	ND		ug/kg	61.3	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
Ethylbenzene	ND		ug/kg	61.3	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
Isopropylbenzene	ND		ug/kg	61.3	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
Methyl t-Butyl Ether	ND		ug/kg	61.3	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
Naphthalene	ND		ug/kg	123	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
Toluene	ND		ug/kg	61.3	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
1,2,4-Trimethylbenzene	ND		ug/kg	61.3	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
1,3,5-Trimethylbenzene	ND		ug/kg	61.3	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	72.4		%	71-146	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
4-Bromofluorobenzene (S)	78.7		%	46-138	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
Dibromofluoromethane (S)	79.9		%	42-143	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
Toluene-d8 (S)	90.6		%	54-141	SW846 8260B	1/10/14	JPA	1/15/14 18:24	JPA	A
WET CHEMISTRY										
Moisture	20.2		%	0.1	S2540G-97			1/15/14 03:57	ECI	A
Total Solids	79.8		%	0.1	S2540G-97			1/15/14 03:57	ECI	A

Sample Comments:

Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009007**

Date Collected: 1/13/2014 08:50

Matrix: Solid

Sample ID: **P24-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	25.3		ug/kg	11.9	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Benzene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Bromochloromethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Bromodichloromethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Bromoform	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Bromomethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
2-Butanone	ND		ug/kg	11.9	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Carbon Disulfide	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Carbon Tetrachloride	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Chlorobenzene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Chlorodibromomethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Chloroethane	ND		ug/kg	6.0	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Chloroform	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Chloromethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Cyclohexane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,2-Dibromoethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,2-Dichlorobenzene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,3-Dichlorobenzene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,4-Dichlorobenzene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Dichlorodifluoromethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,1-Dichloroethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,2-Dichloroethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,1-Dichloroethene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
cis-1,2-Dichloroethene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
trans-1,2-Dichloroethene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,2-Dichloropropane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
cis-1,3-Dichloropropene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
trans-1,3-Dichloropropene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,4-Dioxane	ND		ug/kg	89.3	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Ethylbenzene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Freon 113	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
2-Hexanone	ND		ug/kg	11.9	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Isopropylbenzene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Methyl acetate	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Methyl cyclohexane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Methyl t-Butyl Ether	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.9	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Methylene Chloride	10.1		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009007**

Date Collected: 1/13/2014 08:50

Matrix: Solid

Sample ID: **P24-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Tetrachloroethene	7.0		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Toluene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,1,1-Trichloroethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
1,1,2-Trichloroethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Trichloroethene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Trichlorofluoromethane	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Vinyl Chloride	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
o-Xylene	ND		ug/kg	2.4	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
mp-Xylene	ND		ug/kg	4.8	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	76		%	56-124	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
4-Bromofluorobenzene (S)	95.6		%	51-128	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Dibromofluoromethane (S)	77.7		%	62-123	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B
Toluene-d8 (S)	82.7		%	59-131	SW846 8260B	1/13/14	CJG	1/16/14 15:18	CJG	B

SEMIVOLATILES

Acenaphthene	ND		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Acenaphthylene	ND		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Acetophenone	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Anthracene	96.3		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Atrazine	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Benzaldehyde	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Benzo(a)anthracene	485		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Benzo(a)pyrene	457		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Benzo(b)fluoranthene	693		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Benzo(g,h,i)perylene	390		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Benzo(k)fluoranthene	254		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Biphenyl	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Butylbenzylphthalate	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Caprolactam	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Carbazole	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
4-Chloroaniline	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009007**

Date Collected: 1/13/2014 08:50

Matrix: Solid

 Sample ID: **P24-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2-Chloronaphthalene	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2-Chlorophenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Chrysene	528		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
mp-Cresol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
o-Cresol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Di-n-Butylphthalate	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Di-n-Octylphthalate	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Dibenzofuran	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	169	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2,4-Dichlorophenol	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Diethylphthalate	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2,4-Dimethylphenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Dimethylphthalate	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2,4-Dinitrophenol	ND		ug/kg	225	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Fluoranthene	895		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Fluorene	ND		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Hexachlorobenzene	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Hexachlorobutadiene	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Hexachloroethane	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Indeno(1,2,3-cd)pyrene	392		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Isophorone	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2-Methylnaphthalene	ND		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Naphthalene	ND		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2-Nitroaniline	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
3-Nitroaniline	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
4-Nitroaniline	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Nitrobenzene	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2-Nitrophenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
4-Nitrophenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Pentachlorophenol	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Phenanthrene	427		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009007**

Date Collected: 1/13/2014 08:50

Matrix: Solid

 Sample ID: **P24-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Pyrene	857		ug/kg	56.3	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	304	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	91.2		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2-Fluorobiphenyl (S)	84.7		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
2-Fluorophenol (S)	90.1		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Nitrobenzene-d5 (S)	82.7		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Phenol-d5 (S)	89.1		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D
Terphenyl-d14 (S)	105		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 15:00	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Aroclor-1254	0.043		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Aroclor-1260	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	48.1		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D
Tetrachloro-m-xylene (S)	73.3		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 18:19	RWS	D

WET CHEMISTRY

Moisture	13.4		%	0.1	S2540G-97			1/15/14 03:57	ECI	A
Total Solids	86.6		%	0.1	S2540G-97			1/15/14 03:57	ECI	A

METALS

Arsenic, Total	5.0		mg/kg	2.1	SW846 6010C	1/15/14	AAM	1/16/14 04:23	SRT	D1
Barium, Total	65.6		mg/kg	1.1	SW846 6010C	1/15/14	AAM	1/16/14 04:23	SRT	D1
Cadmium, Total	ND		mg/kg	0.53	SW846 6010C	1/15/14	AAM	1/16/14 04:23	SRT	D1
Chromium, Total	11.8		mg/kg	1.1	SW846 6010C	1/15/14	AAM	1/16/14 04:23	SRT	D1
Lead, Total	88.3		mg/kg	2.1	SW846 6010C	1/15/14	AAM	1/16/14 04:23	SRT	D1
Mercury, Total	0.18		mg/kg	0.050	SW846 7471B	1/23/14	MRT	1/23/14 11:16	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009007**

Date Collected: 1/13/2014 08:50

Matrix: Solid

Sample ID: **P24-A**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	5.3	SW846 6010C	1/15/14	AAM	1/16/14 04:23	SRT	D1
Silver, Total	ND		mg/kg	0.53	SW846 6010C	1/15/14	AAM	1/16/14 04:23	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009008**
 Sample ID: **P24-B**

 Date Collected: 1/13/2014 09:00 Matrix: Solid
 Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	872	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Benzene	100		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Bromochloromethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Bromodichloromethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Bromoform	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Bromomethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
2-Butanone	ND		ug/kg	872	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Carbon Disulfide	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Carbon Tetrachloride	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Chlorobenzene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Chlorodibromomethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Chloroethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Chloroform	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Chloromethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Cyclohexane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,2-Dibromo-3-chloropropane	ND		ug/kg	610	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,2-Dibromoethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,2-Dichlorobenzene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,3-Dichlorobenzene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,4-Dichlorobenzene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Dichlorodifluoromethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,1-Dichloroethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,2-Dichloroethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,1-Dichloroethene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
cis-1,2-Dichloroethene	630		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
trans-1,2-Dichloroethene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,2-Dichloropropane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
cis-1,3-Dichloropropene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
trans-1,3-Dichloropropene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,4-Dioxane	ND		ug/kg	27900	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Ethylbenzene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Freon 113	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
2-Hexanone	ND		ug/kg	436	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Isopropylbenzene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Methyl acetate	ND		ug/kg	174	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Methyl cyclohexane	134		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Methyl t-Butyl Ether	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	436	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Methylene Chloride	98.3		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009008**

Date Collected: 1/13/2014 09:00

Matrix: Solid

 Sample ID: **P24-B**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,1,2,2-Tetrachloroethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Tetrachloroethene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Toluene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,2,3-Trichlorobenzene	ND		ug/kg	174	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,2,4-Trichlorobenzene	ND		ug/kg	174	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,1,1-Trichloroethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
1,1,2-Trichloroethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Trichloroethene	164		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Trichlorofluoromethane	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Vinyl Chloride	186		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
o-Xylene	ND		ug/kg	87.2	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
mp-Xylene	ND		ug/kg	174	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	72		%	71-146	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
4-Bromofluorobenzene (S)	83.7		%	46-138	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Dibromofluoromethane (S)	83.6		%	42-143	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C
Toluene-d8 (S)	89.9		%	54-141	SW846 8260B	1/13/14	JAH	1/16/14 19:32	JPA	C

SEMIVOLATILES

Acenaphthene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Acenaphthylene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Acetophenone	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Anthracene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Atrazine	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Benzaldehyde	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Benzo(a)anthracene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Benzo(a)pyrene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Biphenyl	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Butylbenzylphthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Caprolactam	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Carbazole	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
4-Chloroaniline	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009008**
 Sample ID: **P24-B**

 Date Collected: 1/13/2014 09:00
 Date Received: 1/13/2014 20:30

Matrix: Solid

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2-Chloronaphthalene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2-Chlorophenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Chrysene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
mp-Cresol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
o-Cresol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Di-n-Butylphthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Di-n-Octylphthalate	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Dibenzofuran	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	195	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2,4-Dichlorophenol	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Diethylphthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2,4-Dimethylphenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Dimethylphthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2,4-Dinitrophenol	ND		ug/kg	260	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Fluoranthene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Fluorene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Hexachlorobenzene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Hexachlorobutadiene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Hexachloroethane	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Isophorone	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2-Methylnaphthalene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Naphthalene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
3-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
4-Nitroaniline	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Nitrobenzene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2-Nitrophenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
4-Nitrophenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Pentachlorophenol	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Phenanthrene	ND		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

 Lab ID: **1067009008**

Date Collected: 1/13/2014 09:00

Matrix: Solid

 Sample ID: **P24-B**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Pyrene	181		ug/kg	64.9	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	350	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	104		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2-Fluorobiphenyl (S)	93.9		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
2-Fluorophenol (S)	86.6		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Nitrobenzene-d5 (S)	82		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Phenol-d5 (S)	87		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D
Terphenyl-d14 (S)	105		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 14:11	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Aroclor-1221	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Aroclor-1232	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Aroclor-1242	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Aroclor-1248	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Aroclor-1254	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Aroclor-1260	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Aroclor-1262	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Aroclor-1268	ND		mg/kg	0.042	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	48.2		%	46-120	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D
Tetrachloro-m-xylene (S)	61.3		%	52-115	SW846 8082A	1/17/14	JJP	1/17/14 18:37	RWS	D

WET CHEMISTRY

Moisture	23.9		%	0.1	S2540G-97			1/15/14 03:57	ECI	A
Total Solids	76.1		%	0.1	S2540G-97			1/15/14 03:57	ECI	A

METALS

Arsenic, Total	5.0		mg/kg	2.3	SW846 6010C	1/15/14	AAM	1/16/14 04:27	SRT	D1
Barium, Total	19.0		mg/kg	1.2	SW846 6010C	1/15/14	AAM	1/16/14 04:27	SRT	D1
Cadmium, Total	ND		mg/kg	0.58	SW846 6010C	1/15/14	AAM	1/16/14 04:27	SRT	D1
Chromium, Total	9.2		mg/kg	1.2	SW846 6010C	1/15/14	AAM	1/16/14 04:27	SRT	D1
Lead, Total	339		mg/kg	2.3	SW846 6010C	1/15/14	AAM	1/16/14 04:27	SRT	D1
Mercury, Total	ND		mg/kg	0.059	SW846 7471B	1/23/14	MRT	1/23/14 11:17	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1067009 AMW

Lab ID: **1067009008**

Date Collected: 1/13/2014 09:00

Matrix: Solid

Sample ID: **P24-B**

Date Received: 1/13/2014 20:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	5.8	SW846 6010C	1/15/14	AAM	1/16/14 04:27	SRT	D1
Silver, Total	ND		mg/kg	0.58	SW846 6010C	1/15/14	AAM	1/16/14 04:27	SRT	D1

Sample Comments:

The reporting limits for GCMS volatile analytes were raised due to the dilution of the sample caused by matrix.



Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1067009 AMW

PARAMETER QUALIFIERS\FLAGS

- [1] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 161 and the control limits were 68 to 133.
- [2] The QC sample type LCSD for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 160 and the control limits were 68 to 133.
- [3] The surrogate Decachlorobiphenyl for method SW846 8082A was outside of control limits. The % Recovery was reported as 43.1 and the control limits were 46 to 120. This result was reported at a dilution of 1.
- [4] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Anthracene. The RPD was reported as 24.8 and the upper control limit is 20.
- [5] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Benzo(a)pyrene. The RPD was reported as 200 and the upper control limit is 24.
- [6] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Benzo(b)fluoranthene. The RPD was reported as 42.5 and the upper control limit is 28.
- [7] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Benzo(g,h,i)perylene. The RPD was reported as 200 and the upper control limit is 30.
- [8] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Benzo(k)fluoranthene. The RPD was reported as 200 and the upper control limit is 22.
- [9] The QC sample type DUP for method SW846 8270D was outside the control limits for the analyte Chrysene. The RPD was reported as 21.3 and the upper control limit is 20.
- [10] One of the two matrix spike analyses performed on this sample failed to meet acceptable recovery limits. The other matrix spike was within acceptable recovery limits. Matrix interferences are the possible cause for the failure.

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January 22, 2014

Mr. Scott Campbell
EarthRes Group
6912 Old Easton Road
Pipersville, PA 18947

Certificate of Analysis

Project Name: AMW	Workorder: 1066935
Purchase Order:	Workorder ID: AMW

Dear Mr. Campbell,

Enclosed are the analytical results for samples received by the laboratory on Friday, January 10, 2014.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Vicki Forney (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

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ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.


Vicki Forney
Project Coordinator

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SAMPLE SUMMARY

Workorder: 1066935 AMW

Discard Date: 02/05/2014

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
1066935001	P1-A	Solid	1/9/14 08:35	1/10/14 19:00	Customer
1066935002	P1-B	Solid	1/9/14 08:55	1/10/14 19:00	Customer
1066935003	P2-A	Solid	1/9/14 09:15	1/10/14 19:00	Customer
1066935004	P2-B	Solid	1/9/14 09:25	1/10/14 19:00	Customer
1066935005	P3-A	Solid	1/9/14 09:40	1/10/14 19:00	Customer
1066935006	P3-B	Solid	1/9/14 10:00	1/10/14 19:00	Customer
1066935007	P4-A	Solid	1/9/14 10:40	1/10/14 19:00	Customer
1066935008	P4-B	Solid	1/9/14 10:50	1/10/14 19:00	Customer
1066935009	P4-C	Solid	1/9/14 11:00	1/10/14 19:00	Customer
1066935010	P5-A	Solid	1/9/14 11:10	1/10/14 19:00	Customer
1066935011	P6-A	Solid	1/9/14 11:30	1/10/14 19:00	Customer
1066935012	P6-B	Solid	1/9/14 11:50	1/10/14 19:00	Customer
1066935013	DUP-1	Solid	1/9/14 12:10	1/10/14 19:00	Customer
1066935014	P7-A	Solid	1/9/14 13:15	1/10/14 19:00	Customer
1066935015	P8-A	Solid	1/9/14 13:30	1/10/14 19:00	Customer
1066935016	P9-A	Solid	1/9/14 13:55	1/10/14 19:00	Customer
1066935017	P10-A	Solid	1/9/14 14:05	1/10/14 19:00	Customer
1066935018	P11-A	Solid	1/9/14 14:40	1/10/14 19:00	Customer
1066935019	P12-A	Solid	1/9/14 14:50	1/10/14 19:00	Customer
1066935020	Field Blank	Water	1/10/14 08:30	1/10/14 19:00	Customer
1066935021	P13-A	Solid	1/10/14 08:40	1/10/14 19:00	Customer
1066935022	P14-A	Solid	1/10/14 08:40	1/10/14 19:00	Customer
1066935023	P15-A	Solid	1/10/14 08:50	1/10/14 19:00	Customer
1066935024	P16-A	Solid	1/10/14 09:10	1/10/14 19:00	Customer

Workorder Comments:

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SAMPLE SUMMARY

Workorder: 1066935 AMW

Discard Date: 02/05/2014

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
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Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: 1066935001

Date Collected: 1/9/2014 08:35

Matrix: Solid

Sample ID: P1-A

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	19.4		ug/kg	16.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Benzene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Bromochloromethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Bromodichloromethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Bromoform	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Bromomethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
2-Butanone	ND		ug/kg	16.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Carbon Disulfide	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Carbon Tetrachloride	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Chlorobenzene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Chlorodibromomethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Chloroethane	ND		ug/kg	8.1	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Chloroform	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Chloromethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Cyclohexane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.1	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,2-Dibromoethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,2-Dichlorobenzene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,3-Dichlorobenzene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,4-Dichlorobenzene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Dichlorodifluoromethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,1-Dichloroethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,2-Dichloroethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,1-Dichloroethene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,2-Dichloropropane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,4-Dioxane	ND		ug/kg	122	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Ethylbenzene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Freon 113	18.5		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
2-Hexanone	ND		ug/kg	16.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Isopropylbenzene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Methyl acetate	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Methyl cyclohexane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Methyl t-Butyl Ether	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	16.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Methylene Chloride	6.4	1,2	ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935001**

Date Collected: 1/9/2014 08:35

Matrix: Solid

Sample ID: P1-A

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Tetrachloroethene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Toluene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,2,3-Trichlorobenzene	ND		ug/kg	8.1	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,2,4-Trichlorobenzene	ND		ug/kg	8.1	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,1,1-Trichloroethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
1,1,2-Trichloroethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Trichloroethene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Trichlorofluoromethane	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Vinyl Chloride	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
o-Xylene	ND		ug/kg	3.2	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
mp-Xylene	ND		ug/kg	6.5	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichloroethane-d4 (S)	74.9		%	56-124	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
4-Bromofluorobenzene (S)	98.5		%	51-128	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Dibromofluoromethane (S)	80.7		%	62-123	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B
Toluene-d8 (S)	83.1		%	59-131	SW846 8260B	1/9/14	CPK	1/15/14 01:58	DD	B

SEMIVOLATILES

Acenaphthene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Acenaphthylene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Acetophenone	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Anthracene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Atrazine	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Benzaldehyde	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Benzo(a)anthracene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Benzo(a)pyrene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Biphenyl	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Butylbenzylphthalate	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Caprolactam	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Carbazole	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
4-Chloroaniline	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935001**
 Sample ID: **P1-A**

 Date Collected: 1/9/2014 08:35 Matrix: Solid
 Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2-Chloronaphthalene	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2-Chlorophenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Chrysene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
mp-Cresol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
o-Cresol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Di-n-Butylphthalate	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Di-n-Octylphthalate	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Dibenzofuran	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	163	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2,4-Dichlorophenol	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Diethylphthalate	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2,4-Dimethylphenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Dimethylphthalate	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2,4-Dinitrophenol	ND		ug/kg	218	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Fluoranthene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Fluorene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Hexachlorobenzene	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Hexachlorobutadiene	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Hexachloroethane	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Isophorone	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2-Methylnaphthalene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Naphthalene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2-Nitroaniline	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
3-Nitroaniline	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
4-Nitroaniline	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Nitrobenzene	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2-Nitrophenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
4-Nitrophenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Pentachlorophenol	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Phenanthrene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935001**

Date Collected: 1/9/2014 08:35

Matrix: Solid

 Sample ID: **P1-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Pyrene	ND		ug/kg	54.4	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	294	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	109	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	48.6		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2-Fluorobiphenyl (S)	75.2		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
2-Fluorophenol (S)	71.5		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Nitrobenzene-d5 (S)	74.6		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Phenol-d5 (S)	75.5		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
Terphenyl-d14 (S)	75.5		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 09:24	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Aroclor-1221	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Aroclor-1232	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Aroclor-1242	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Aroclor-1248	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Aroclor-1254	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Aroclor-1260	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Aroclor-1262	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Aroclor-1268	ND		mg/kg	0.037	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	68.7		%	46-120	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
Tetrachloro-m-xylene (S)	85.6		%	52-115	SW846 8082A	1/14/14	JJP	1/14/14 19:15	RWS	D
WET CHEMISTRY										
Moisture	10.4		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	89.6		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	21.5	SW846 6010C	1/14/14	AAM	1/16/14 02:06	SRT	D1
Barium, Total	ND		mg/kg	10.7	SW846 6010C	1/14/14	AAM	1/16/14 02:06	SRT	D1
Cadmium, Total	ND		mg/kg	5.4	SW846 6010C	1/14/14	AAM	1/16/14 02:06	SRT	D1
Chromium, Total	ND		mg/kg	10.7	SW846 6010C	1/14/14	AAM	1/16/14 02:06	SRT	D1
Lead, Total	ND		mg/kg	21.5	SW846 6010C	1/14/14	AAM	1/16/14 02:06	SRT	D1
Mercury, Total	ND		mg/kg	0.051	SW846 7471B	1/21/14	MRT	1/21/14 10:41	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: 1066935001

Date Collected: 1/9/2014 08:35

Matrix: Solid

Sample ID: P1-A

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	53.7	SW846 6010C	1/14/14	AAM	1/16/14 02:06	SRT	D1
Silver, Total	ND		mg/kg	5.4	SW846 6010C	1/14/14	AAM	1/16/14 02:06	SRT	D1

Sample Comments:

Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935002**

Date Collected: 1/9/2014 08:55

Matrix: Solid

 Sample ID: **P1-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	12.4	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Benzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Bromochloromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Bromodichloromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Bromoform	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Bromomethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
2-Butanone	ND		ug/kg	12.4	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Carbon Disulfide	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Carbon Tetrachloride	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Chlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Chlorodibromomethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Chloroethane	ND		ug/kg	6.2	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Chloroform	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Chloromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Cyclohexane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,2-Dibromoethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,2-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,3-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,4-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Dichlorodifluoromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,1-Dichloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,2-Dichloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,1-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,2-Dichloropropane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,4-Dioxane	ND		ug/kg	93.3	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Ethylbenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Freon 113	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
2-Hexanone	ND		ug/kg	12.4	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Isopropylbenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Methyl acetate	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Methyl cyclohexane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Methyl t-Butyl Ether	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	12.4	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Methylene Chloride	5.7	1,2	ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935002**

Date Collected: 1/9/2014 08:55

Matrix: Solid

 Sample ID: **P1-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Tetrachloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Toluene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,1,1-Trichloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
1,1,2-Trichloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Trichloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Trichlorofluoromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Vinyl Chloride	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
o-Xylene	ND		ug/kg	2.5	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
mp-Xylene	ND		ug/kg	5.0	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	76.9		%	56-124	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
4-Bromofluorobenzene (S)	90.5		%	51-128	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Dibromofluoromethane (S)	78		%	62-123	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B
Toluene-d8 (S)	81.4		%	59-131	SW846 8260B	1/9/14	CPK	1/15/14 02:21	DD	B

SEMIVOLATILES

Acenaphthene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Acenaphthylene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Acetophenone	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Anthracene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Atrazine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Benzaldehyde	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Benzo(a)anthracene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Benzo(a)pyrene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Biphenyl	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Butylbenzylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Caprolactam	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Carbazole	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
4-Chloroaniline	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935002**

Date Collected: 1/9/2014 08:55

Matrix: Solid

Sample ID: **P1-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2-Chloronaphthalene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2-Chlorophenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Chrysene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
mp-Cresol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
o-Cresol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Di-n-Butylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Di-n-Octylphthalate	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Dibenzofuran	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	166	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2,4-Dichlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Diethylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2,4-Dimethylphenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Dimethylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2,4-Dinitrophenol	ND		ug/kg	221	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Fluoranthene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Fluorene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Hexachlorobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Hexachlorobutadiene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Hexachloroethane	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Isophorone	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2-Methylnaphthalene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Naphthalene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2-Nitroaniline	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
3-Nitroaniline	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
4-Nitroaniline	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Nitrobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2-Nitrophenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
4-Nitrophenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Pentachlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Phenanthrene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935002**

Date Collected: 1/9/2014 08:55

Matrix: Solid

 Sample ID: **P1-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Pyrene	ND		ug/kg	55.2	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	298	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	75.3		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2-Fluorobiphenyl (S)	69.2		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
2-Fluorophenol (S)	80.5		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Nitrobenzene-d5 (S)	70.2		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Phenol-d5 (S)	79.1		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
Terphenyl-d14 (S)	88.1		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 09:48	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Aroclor-1221	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Aroclor-1232	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Aroclor-1242	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Aroclor-1248	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Aroclor-1254	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Aroclor-1260	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Aroclor-1262	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Aroclor-1268	ND		mg/kg	0.036	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	77.4		%	46-120	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
Tetrachloro-m-xylene (S)	83.6		%	52-115	SW846 8082A	1/14/14	JJP	1/14/14 19:33	RWS	D
WET CHEMISTRY										
Moisture	10.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	89.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	10	SW846 6010C	1/14/14	AAM	1/16/14 02:10	SRT	D1
Barium, Total	51.3		mg/kg	5.0	SW846 6010C	1/14/14	AAM	1/16/14 02:10	SRT	D1
Cadmium, Total	ND		mg/kg	2.5	SW846 6010C	1/14/14	AAM	1/16/14 02:10	SRT	D1
Chromium, Total	14.0		mg/kg	5.0	SW846 6010C	1/14/14	AAM	1/16/14 02:10	SRT	D1
Lead, Total	294	3	mg/kg	10	SW846 6010C	1/14/14	AAM	1/16/14 02:10	SRT	D1
Mercury, Total	ND		mg/kg	0.055	SW846 7471B	1/21/14	MRT	1/21/14 10:42	MRT	D2

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Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935002**

Date Collected: 1/9/2014 08:55

Matrix: Solid

Sample ID: **P1-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	25.0	SW846 6010C	1/14/14	AAM	1/16/14 02:10	SRT	D1
Silver, Total	ND		mg/kg	2.5	SW846 6010C	1/14/14	AAM	1/16/14 02:10	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935003**

Date Collected: 1/9/2014 09:15

Matrix: Solid

 Sample ID: **P2-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	18.0	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Benzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Bromochloromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Bromodichloromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Bromoform	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Bromomethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
2-Butanone	ND		ug/kg	18.0	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Carbon Disulfide	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Carbon Tetrachloride	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Chlorobenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Chlorodibromomethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Chloroethane	ND		ug/kg	9.0	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Chloroform	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Chloromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Cyclohexane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.0	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,2-Dibromoethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,2-Dichlorobenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,3-Dichlorobenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,4-Dichlorobenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Dichlorodifluoromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,1-Dichloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,2-Dichloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,1-Dichloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
cis-1,2-Dichloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
trans-1,2-Dichloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,2-Dichloropropane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
cis-1,3-Dichloropropene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
trans-1,3-Dichloropropene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,4-Dioxane	ND		ug/kg	135	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Ethylbenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Freon 113	9.0		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
2-Hexanone	ND		ug/kg	18.0	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Isopropylbenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Methyl acetate	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Methyl cyclohexane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Methyl t-Butyl Ether	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	18.0	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Methylene Chloride	7.0	1,2	ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935003**

Date Collected: 1/9/2014 09:15

Matrix: Solid

 Sample ID: **P2-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Tetrachloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Toluene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,2,3-Trichlorobenzene	ND		ug/kg	9.0	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,2,4-Trichlorobenzene	ND		ug/kg	9.0	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,1,1-Trichloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
1,1,2-Trichloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Trichloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Trichlorofluoromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Vinyl Chloride	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
o-Xylene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
mp-Xylene	ND		ug/kg	7.2	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	76.8		%	56-124	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
4-Bromofluorobenzene (S)	99		%	51-128	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Dibromofluoromethane (S)	79.5		%	62-123	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B
Toluene-d8 (S)	84.9		%	59-131	SW846 8260B	1/9/14	CPK	1/15/14 02:44	DD	B

SEMIVOLATILES

Acenaphthene	ND		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Acenaphthylene	ND		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Acetophenone	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Anthracene	ND		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Atrazine	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Benzaldehyde	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Benzo(a)anthracene	395		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Benzo(a)pyrene	438		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Benzo(b)fluoranthene	753		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Benzo(g,h,i)perylene	361		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Benzo(k)fluoranthene	236		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Biphenyl	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Butylbenzylphthalate	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Caprolactam	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Carbazole	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
4-Chloroaniline	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935003**

Date Collected: 1/9/2014 09:15

Matrix: Solid

Sample ID: **P2-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2-Chloronaphthalene	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2-Chlorophenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Chrysene	524		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
mp-Cresol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
o-Cresol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Di-n-Butylphthalate	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Di-n-Octylphthalate	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Dibenzo(a,h)anthracene	106		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Dibenzofuran	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	159	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2,4-Dichlorophenol	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Diethylphthalate	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2,4-Dimethylphenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Dimethylphthalate	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2,4-Dinitrophenol	ND		ug/kg	212	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Fluoranthene	491		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Fluorene	ND		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Hexachlorobenzene	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Hexachlorobutadiene	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Hexachloroethane	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Indeno(1,2,3-cd)pyrene	357		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Isophorone	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2-Methylnaphthalene	ND		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Naphthalene	ND		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2-Nitroaniline	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
3-Nitroaniline	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
4-Nitroaniline	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Nitrobenzene	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2-Nitrophenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
4-Nitrophenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Pentachlorophenol	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Phenanthrene	184		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935003**

Date Collected: 1/9/2014 09:15

Matrix: Solid

 Sample ID: **P2-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Pyrene	472		ug/kg	52.9	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	286	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	106	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	82.4		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2-Fluorobiphenyl (S)	77.5		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
2-Fluorophenol (S)	86.6		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Nitrobenzene-d5 (S)	78.8		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Phenol-d5 (S)	85.9		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
Terphenyl-d14 (S)	97.7		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 10:12	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Aroclor-1221	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Aroclor-1232	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Aroclor-1242	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Aroclor-1248	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Aroclor-1254	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Aroclor-1260	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Aroclor-1262	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Aroclor-1268	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	78.9		%	46-120	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
Tetrachloro-m-xylene (S)	95.2		%	52-115	SW846 8082A	1/14/14	JJP	1/14/14 20:45	RWS	D
WET CHEMISTRY										
Moisture	6.8		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	93.2		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	5.0		mg/kg	1.9	SW846 6010C	1/14/14	AAM	1/15/14 02:55	SRT	D1
Barium, Total	40.1		mg/kg	0.96	SW846 6010C	1/14/14	AAM	1/15/14 02:55	SRT	D1
Cadmium, Total	ND		mg/kg	0.48	SW846 6010C	1/14/14	AAM	1/15/14 02:55	SRT	D1
Chromium, Total	15.1		mg/kg	0.96	SW846 6010C	1/14/14	AAM	1/15/14 02:55	SRT	D1
Lead, Total	12.9		mg/kg	1.9	SW846 6010C	1/14/14	AAM	1/15/14 02:55	SRT	D1
Mercury, Total	ND		mg/kg	0.048	SW846 7471B	1/21/14	MRT	1/21/14 10:43	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935003**

Date Collected: 1/9/2014 09:15

Matrix: Solid

Sample ID: **P2-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	4.8	SW846 6010C	1/14/14	AAM	1/15/14 02:55	SRT	D1
Silver, Total	ND		mg/kg	0.48	SW846 6010C	1/14/14	AAM	1/15/14 02:55	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935004**

Date Collected: 1/9/2014 09:25

Matrix: Solid

Sample ID: **P2-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	21.5		ug/kg	18.2	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Benzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Bromochloromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Bromodichloromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Bromoform	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Bromomethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
2-Butanone	ND		ug/kg	18.2	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Carbon Disulfide	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Carbon Tetrachloride	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Chlorobenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Chlorodibromomethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Chloroethane	ND		ug/kg	9.1	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Chloroform	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Chloromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Cyclohexane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.1	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,2-Dibromoethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Dichlorodifluoromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,1-Dichloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,2-Dichloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,1-Dichloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,2-Dichloropropane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,4-Dioxane	ND		ug/kg	137	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Ethylbenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Freon 113	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
2-Hexanone	ND		ug/kg	18.2	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Isopropylbenzene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Methyl acetate	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Methyl cyclohexane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	18.2	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Methylene Chloride	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935004**
 Sample ID: **P2-B**

 Date Collected: 1/9/2014 09:25 Matrix: Solid
 Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Tetrachloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Toluene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	9.1	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	9.1	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Trichloroethene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Trichlorofluoromethane	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Vinyl Chloride	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
o-Xylene	ND		ug/kg	3.6	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
mp-Xylene	ND		ug/kg	7.3	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	101		%	56-124	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
4-Bromofluorobenzene (S)	125		%	51-128	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Dibromofluoromethane (S)	105		%	62-123	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A
Toluene-d8 (S)	112		%	59-131	SW846 8260B	1/9/14	CJG	1/14/14 19:03	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Acenaphthylene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Acetophenone	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Anthracene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Atrazine	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Benzaldehyde	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Benzo(a)anthracene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Benzo(a)pyrene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Biphenyl	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Butylbenzylphthalate	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Caprolactam	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Carbazole	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
4-Chloroaniline	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935004**

Date Collected: 1/9/2014 09:25

Matrix: Solid

Sample ID: **P2-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2-Chloronaphthalene	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2-Chlorophenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Chrysene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
mp-Cresol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
o-Cresol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Di-n-Butylphthalate	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Di-n-Octylphthalate	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Dibenzofuran	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	185	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2,4-Dichlorophenol	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Diethylphthalate	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2,4-Dimethylphenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Dimethylphthalate	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2,4-Dinitrophenol	ND		ug/kg	247	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Fluoranthene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Fluorene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Hexachlorobenzene	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Hexachlorobutadiene	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Hexachloroethane	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Isophorone	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2-Methylnaphthalene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Naphthalene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2-Nitroaniline	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
3-Nitroaniline	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
4-Nitroaniline	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Nitrobenzene	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2-Nitrophenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
4-Nitrophenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Pentachlorophenol	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Phenanthrene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935004**

Date Collected: 1/9/2014 09:25

Matrix: Solid

 Sample ID: **P2-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Pyrene	ND		ug/kg	61.8	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	333	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	124	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	78.1		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2-Fluorobiphenyl (S)	71.8		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
2-Fluorophenol (S)	81.8		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Nitrobenzene-d5 (S)	73.5		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Phenol-d5 (S)	81.5		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
Terphenyl-d14 (S)	95.9		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 10:37	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Aroclor-1221	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Aroclor-1232	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Aroclor-1242	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Aroclor-1248	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Aroclor-1254	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Aroclor-1260	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Aroclor-1262	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Aroclor-1268	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	79.7		%	46-120	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
Tetrachloro-m-xylene (S)	94.5		%	52-115	SW846 8082A	1/14/14	JJP	1/14/14 23:08	RWS	D
WET CHEMISTRY										
Moisture	19.8		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	80.2		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	6.1		mg/kg	2.2	SW846 6010C	1/14/14	AAM	1/15/14 02:59	SRT	D1
Barium, Total	49.3		mg/kg	1.1	SW846 6010C	1/14/14	AAM	1/15/14 02:59	SRT	D1
Cadmium, Total	ND		mg/kg	0.55	SW846 6010C	1/14/14	AAM	1/15/14 02:59	SRT	D1
Chromium, Total	21.3		mg/kg	1.1	SW846 6010C	1/14/14	AAM	1/15/14 02:59	SRT	D1
Lead, Total	22.7		mg/kg	2.2	SW846 6010C	1/14/14	AAM	1/15/14 02:59	SRT	D1
Mercury, Total	ND		mg/kg	0.056	SW846 7471B	1/21/14	MRT	1/21/14 10:44	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935004**

Date Collected: 1/9/2014 09:25

Matrix: Solid

Sample ID: **P2-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	5.5	SW846 6010C	1/14/14	AAM	1/15/14 02:59	SRT	D1
Silver, Total	ND		mg/kg	0.55	SW846 6010C	1/14/14	AAM	1/15/14 02:59	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935005**

Date Collected: 1/9/2014 09:40

Matrix: Solid

 Sample ID: **P3-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	107		ug/kg	15.3	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Benzene	6.0		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Bromochloromethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Bromodichloromethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Bromoform	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Bromomethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
2-Butanone	23.1		ug/kg	15.3	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Carbon Disulfide	9.2		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Carbon Tetrachloride	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Chlorobenzene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Chlorodibromomethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Chloroethane	ND		ug/kg	7.7	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Chloroform	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Chloromethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Cyclohexane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.7	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,2-Dibromoethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Dichlorodifluoromethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,1-Dichloroethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,2-Dichloroethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,1-Dichloroethene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,2-Dichloropropane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,4-Dioxane	ND		ug/kg	115	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Ethylbenzene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Freon 113	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
2-Hexanone	ND		ug/kg	15.3	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Isopropylbenzene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Methyl acetate	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Methyl cyclohexane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	15.3	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Methylene Chloride	25.4		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935005**

Date Collected: 1/9/2014 09:40

Matrix: Solid

 Sample ID: **P3-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Tetrachloroethene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Toluene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	7.7	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	7.7	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Trichloroethene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Trichlorofluoromethane	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Vinyl Chloride	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
o-Xylene	ND		ug/kg	3.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
mp-Xylene	ND		ug/kg	6.1	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.6		%	56-124	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
4-Bromofluorobenzene (S)	97.1		%	51-128	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Dibromofluoromethane (S)	78		%	62-123	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A
Toluene-d8 (S)	82		%	59-131	SW846 8260B	1/9/14	TMP	1/17/14 16:39	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Acenaphthylene	ND		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Acetophenone	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Anthracene	ND		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Atrazine	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Benzaldehyde	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Benzo(a)anthracene	347		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Benzo(a)pyrene	484		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Benzo(b)fluoranthene	781		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Benzo(g,h,i)perylene	441		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Benzo(k)fluoranthene	252		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Biphenyl	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Butylbenzylphthalate	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Caprolactam	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Carbazole	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
4-Chloroaniline	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935005**

Date Collected: 1/9/2014 09:40

Matrix: Solid

 Sample ID: **P3-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2-Chloronaphthalene	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2-Chlorophenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Chrysene	441		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
mp-Cresol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
o-Cresol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Di-n-Butylphthalate	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Di-n-Octylphthalate	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Dibenzo(a,h)anthracene	112		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Dibenzofuran	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	155	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2,4-Dichlorophenol	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Diethylphthalate	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2,4-Dimethylphenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Dimethylphthalate	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2,4-Dinitrophenol	ND		ug/kg	207	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Fluoranthene	316		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Fluorene	ND		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Hexachlorobenzene	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Hexachlorobutadiene	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Hexachloroethane	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Indeno(1,2,3-cd)pyrene	429		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Isophorone	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2-Methylnaphthalene	ND		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Naphthalene	ND		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2-Nitroaniline	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
3-Nitroaniline	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
4-Nitroaniline	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Nitrobenzene	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2-Nitrophenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
4-Nitrophenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Pentachlorophenol	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Phenanthrene	64.1		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935005**
 Sample ID: **P3-A**

 Date Collected: 1/9/2014 09:40
 Date Received: 1/10/2014 19:00

Matrix: Solid

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Pyrene	338		ug/kg	51.6	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	279	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	103	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	73.8		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2-Fluorobiphenyl (S)	69.8		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
2-Fluorophenol (S)	79.2		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Nitrobenzene-d5 (S)	71.6		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Phenol-d5 (S)	78		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
Terphenyl-d14 (S)	87.9		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 11:01	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Aroclor-1221	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Aroclor-1232	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Aroclor-1242	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Aroclor-1248	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Aroclor-1254	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Aroclor-1260	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Aroclor-1262	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Aroclor-1268	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	72.1		%	46-120	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
Tetrachloro-m-xylene (S)	89		%	52-115	SW846 8082A	1/14/14	JJP	1/14/14 23:26	RWS	D
WET CHEMISTRY										
Moisture	4.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	95.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	3.2		mg/kg	2.0	SW846 6010C	1/14/14	AAM	1/15/14 03:03	SRT	D1
Barium, Total	34.9		mg/kg	1.0	SW846 6010C	1/14/14	AAM	1/15/14 03:03	SRT	D1
Cadmium, Total	ND		mg/kg	0.50	SW846 6010C	1/14/14	AAM	1/15/14 03:03	SRT	D1
Chromium, Total	12.2		mg/kg	1.0	SW846 6010C	1/14/14	AAM	1/15/14 03:03	SRT	D1
Lead, Total	26.0		mg/kg	2.0	SW846 6010C	1/14/14	AAM	1/15/14 03:03	SRT	D1
Mercury, Total	ND		mg/kg	0.047	SW846 7471B	1/21/14	MRT	1/21/14 10:45	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935005**

Date Collected: 1/9/2014 09:40

Matrix: Solid

Sample ID: **P3-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	5.0	SW846 6010C	1/14/14 AAM	1/15/14 03:03	SRT	D1
Silver, Total	ND		mg/kg	0.50	SW846 6010C	1/14/14 AAM	1/15/14 03:03	SRT	D1

Sample Comments:

Vicki Forney
Vicki Forney
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935006**

Date Collected: 1/9/2014 10:00

Matrix: Solid

 Sample ID: **P3-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	285		ug/kg	20.7	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Benzene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Bromochloromethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Bromodichloromethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Bromoform	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Bromomethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
2-Butanone	44.8		ug/kg	20.7	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Carbon Disulfide	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Carbon Tetrachloride	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Chlorobenzene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Chlorodibromomethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Chloroethane	ND		ug/kg	10.4	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Chloroform	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Chloromethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Cyclohexane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	10.4	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,2-Dibromoethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Dichlorodifluoromethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,1-Dichloroethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,2-Dichloroethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,1-Dichloroethene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,2-Dichloropropane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,4-Dioxane	ND		ug/kg	155	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Ethylbenzene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Freon 113	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
2-Hexanone	ND		ug/kg	20.7	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Isopropylbenzene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Methyl acetate	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Methyl cyclohexane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	20.7	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Methylene Chloride	9.1		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935006**

Date Collected: 1/9/2014 10:00

Matrix: Solid

 Sample ID: **P3-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Tetrachloroethene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Toluene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	10.4	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	10.4	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Trichloroethene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Trichlorofluoromethane	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Vinyl Chloride	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
o-Xylene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
mp-Xylene	ND		ug/kg	8.3	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	102		%	56-124	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
4-Bromofluorobenzene (S)	127		%	51-128	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Dibromofluoromethane (S)	106		%	62-123	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A
Toluene-d8 (S)	109		%	59-131	SW846 8260B	1/9/14	CJG	1/14/14 19:26	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Acenaphthylene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Acetophenone	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Anthracene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Atrazine	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Benzaldehyde	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Benzo(a)anthracene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Benzo(a)pyrene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Biphenyl	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Butylbenzylphthalate	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Caprolactam	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Carbazole	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
4-Chloroaniline	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935006**

Date Collected: 1/9/2014 10:00

Matrix: Solid

 Sample ID: **P3-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2-Chloronaphthalene	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2-Chlorophenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Chrysene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
mp-Cresol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
o-Cresol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Di-n-Butylphthalate	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Di-n-Octylphthalate	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Dibenzofuran	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	193	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2,4-Dichlorophenol	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Diethylphthalate	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2,4-Dimethylphenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Dimethylphthalate	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2,4-Dinitrophenol	ND		ug/kg	257	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Fluoranthene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Fluorene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Hexachlorobenzene	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Hexachlorobutadiene	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Hexachloroethane	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Isophorone	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2-Methylnaphthalene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Naphthalene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2-Nitroaniline	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
3-Nitroaniline	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
4-Nitroaniline	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Nitrobenzene	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2-Nitrophenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
4-Nitrophenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Pentachlorophenol	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Phenanthrene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935006**

Date Collected: 1/9/2014 10:00

Matrix: Solid

 Sample ID: **P3-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Pyrene	ND		ug/kg	64.2	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	347	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	128	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	76.3		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2-Fluorobiphenyl (S)	69.1		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
2-Fluorophenol (S)	78.1		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Nitrobenzene-d5 (S)	69.4		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Phenol-d5 (S)	78.6		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D
Terphenyl-d14 (S)	94.2		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 11:26	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Aroclor-1221	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Aroclor-1232	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Aroclor-1242	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Aroclor-1248	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Aroclor-1254	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Aroclor-1260	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Aroclor-1262	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Aroclor-1268	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	88.1		%	46-120	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D
Tetrachloro-m-xylene (S)	102		%	52-115	SW846 8082A	1/14/14	JJP	1/14/14 23:45	RWS	D

WET CHEMISTRY

Moisture	22.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	77.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A

METALS

Arsenic, Total	4.1		mg/kg	2.4	SW846 6010C	1/14/14	AAM	1/15/14 03:15	SRT	D1
Barium, Total	31.8		mg/kg	1.2	SW846 6010C	1/14/14	AAM	1/15/14 03:15	SRT	D1
Cadmium, Total	ND		mg/kg	0.60	SW846 6010C	1/14/14	AAM	1/15/14 03:15	SRT	D1
Chromium, Total	17.8		mg/kg	1.2	SW846 6010C	1/14/14	AAM	1/15/14 03:15	SRT	D1
Lead, Total	14.8		mg/kg	2.4	SW846 6010C	1/14/14	AAM	1/15/14 03:15	SRT	D1
Mercury, Total	0.073		mg/kg	0.057	SW846 7471B	1/21/14	MRT	1/21/14 10:46	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935006**

Date Collected: 1/9/2014 10:00

Matrix: Solid

Sample ID: **P3-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	6.0	SW846 6010C	1/14/14	AAM	1/15/14 03:15	SRT	D1
Silver, Total	ND		mg/kg	0.60	SW846 6010C	1/14/14	AAM	1/15/14 03:15	SRT	D1

Sample Comments:

Vicki Forney
 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935007**

Date Collected: 1/9/2014 10:40

Matrix: Solid

Sample ID: **P4-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	22.3		ug/kg	11.1	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Benzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Bromoform	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Bromomethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
2-Butanone	ND		ug/kg	11.1	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Carbon Disulfide	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Chloroethane	ND		ug/kg	5.6	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Chloroform	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Chloromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,4-Dioxane	ND		ug/kg	83.4	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Freon 113	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
2-Hexanone	ND		ug/kg	11.1	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Methyl acetate	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Methyl cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.1	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Methylene Chloride	4.6	4	ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935007**

Date Collected: 1/9/2014 10:40

Matrix: Solid

Sample ID: **P4-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Tetrachloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Toluene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Trichloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Vinyl Chloride	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
o-Xylene	ND		ug/kg	2.2	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
mp-Xylene	ND		ug/kg	4.4	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	104		%	56-124	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
4-Bromofluorobenzene (S)	127		%	51-128	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Dibromofluoromethane (S)	105		%	62-123	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A
Toluene-d8 (S)	111		%	59-131	SW846 8260B	1/9/14	CJG	1/14/14 19:50	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Acenaphthylene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Acetophenone	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Anthracene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Atrazine	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Benzaldehyde	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Benzo(a)anthracene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Benzo(a)pyrene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Biphenyl	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Butylbenzylphthalate	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Caprolactam	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Carbazole	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
4-Chloroaniline	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935007**

Date Collected: 1/9/2014 10:40

Matrix: Solid

Sample ID: **P4-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2-Chloronaphthalene	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2-Chlorophenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Chrysene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
mp-Cresol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
o-Cresol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Di-n-Butylphthalate	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Di-n-Octylphthalate	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Dibenzofuran	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	177	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2,4-Dichlorophenol	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Diethylphthalate	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2,4-Dimethylphenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Dimethylphthalate	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2,4-Dinitrophenol	ND		ug/kg	235	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Fluoranthene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Fluorene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Hexachlorobenzene	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Hexachlorobutadiene	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Hexachloroethane	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Isophorone	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2-Methylnaphthalene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Naphthalene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2-Nitroaniline	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
3-Nitroaniline	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
4-Nitroaniline	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Nitrobenzene	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2-Nitrophenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
4-Nitrophenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Pentachlorophenol	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Phenanthrene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935007**

Date Collected: 1/9/2014 10:40

Matrix: Solid

 Sample ID: **P4-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Pyrene	ND		ug/kg	58.9	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	318	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	118	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	86.6		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2-Fluorobiphenyl (S)	81.8		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
2-Fluorophenol (S)	78.9		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Nitrobenzene-d5 (S)	77		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Phenol-d5 (S)	80.4		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
Terphenyl-d14 (S)	98.6		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 13:28	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Aroclor-1221	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Aroclor-1232	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Aroclor-1242	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Aroclor-1248	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Aroclor-1254	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Aroclor-1260	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Aroclor-1262	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Aroclor-1268	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	63.4		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
Tetrachloro-m-xylene (S)	72.4		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 00:03	RWS	D
WET CHEMISTRY										
Moisture	16.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	83.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	4.8	SW846 6010C	1/14/14	AAM	1/16/14 02:21	SRT	D1
Barium, Total	149		mg/kg	2.4	SW846 6010C	1/14/14	AAM	1/16/14 02:21	SRT	D1
Cadmium, Total	ND		mg/kg	1.2	SW846 6010C	1/14/14	AAM	1/16/14 02:21	SRT	D1
Chromium, Total	143		mg/kg	2.4	SW846 6010C	1/14/14	AAM	1/16/14 02:21	SRT	D1
Lead, Total	296		mg/kg	4.8	SW846 6010C	1/14/14	AAM	1/16/14 02:21	SRT	D1
Mercury, Total	ND		mg/kg	0.058	SW846 7471B	1/21/14	MRT	1/21/14 10:47	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935007**

Date Collected: 1/9/2014 10:40

Matrix: Solid

Sample ID: **P4-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	12.0	SW846 6010C	1/14/14 AAM	1/16/14 02:21	SRT	D1
Silver, Total	ND		mg/kg	1.2	SW846 6010C	1/14/14 AAM	1/16/14 02:21	SRT	D1

Sample Comments:

Vicki Forney
 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935008**

Date Collected: 1/9/2014 10:50

Matrix: Solid

Sample ID: **P4-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	22.2		ug/kg	13.6	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Benzene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Bromochloromethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Bromodichloromethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Bromoform	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Bromomethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
2-Butanone	ND		ug/kg	13.6	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Carbon Disulfide	6.1		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Chlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Chlorodibromomethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Chloroethane	ND		ug/kg	6.8	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Chloroform	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Chloromethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Cyclohexane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,4-Dioxane	ND		ug/kg	102	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Ethylbenzene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Freon 113	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
2-Hexanone	ND		ug/kg	13.6	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Isopropylbenzene	9.8		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Methyl acetate	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Methyl cyclohexane	33.7		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	13.6	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Methylene Chloride	4.8		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935008**

Date Collected: 1/9/2014 10:50

Matrix: Solid

 Sample ID: **P4-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Tetrachloroethene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Toluene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Trichloroethene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Vinyl Chloride	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
o-Xylene	ND		ug/kg	2.7	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
mp-Xylene	ND		ug/kg	5.4	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	102		%	56-124	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
4-Bromofluorobenzene (S)	77.8		%	51-128	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Dibromofluoromethane (S)	102		%	62-123	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A
Toluene-d8 (S)	88.1		%	59-131	SW846 8260B	1/9/14	CJG	1/14/14 20:13	CJG	A

SEMIVOLATILES

Acenaphthene	626		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Acenaphthylene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Acetophenone	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Anthracene	397		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Atrazine	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Benzaldehyde	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Benzo(a)anthracene	81.8		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Benzo(a)pyrene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Benzo(b)fluoranthene	82.5		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Biphenyl	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Butylbenzylphthalate	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Caprolactam	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Carbazole	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
4-Chloroaniline	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935008**

Date Collected: 1/9/2014 10:50

Matrix: Solid

 Sample ID: **P4-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2-Chloronaphthalene	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2-Chlorophenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Chrysene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
mp-Cresol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
o-Cresol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Di-n-Butylphthalate	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Di-n-Octylphthalate	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Dibenzofuran	797		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	207	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2,4-Dichlorophenol	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Diethylphthalate	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2,4-Dimethylphenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Dimethylphthalate	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2,4-Dinitrophenol	ND		ug/kg	276	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
bis(2-Ethylhexyl)phthalate	169		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Fluoranthene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Fluorene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Hexachlorobenzene	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Hexachlorobutadiene	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Hexachloroethane	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Isophorone	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2-Methylnaphthalene	78.3		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Naphthalene	145		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2-Nitroaniline	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
3-Nitroaniline	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
4-Nitroaniline	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Nitrobenzene	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2-Nitrophenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
4-Nitrophenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Pentachlorophenol	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Phenanthrene	2550		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935008**

Date Collected: 1/9/2014 10:50

Matrix: Solid

Sample ID: **P4-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Pyrene	335		ug/kg	69.1	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	373	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	138	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	85.3		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2-Fluorobiphenyl (S)	71.4		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
2-Fluorophenol (S)	75.5		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Nitrobenzene-d5 (S)	71.3		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Phenol-d5 (S)	77.3		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
Terphenyl-d14 (S)	87.6		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 11:51	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Aroclor-1221	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Aroclor-1232	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Aroclor-1242	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Aroclor-1248	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Aroclor-1254	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Aroclor-1260	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Aroclor-1262	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Aroclor-1268	ND		mg/kg	0.046	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	63.1		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
Tetrachloro-m-xylene (S)	73.1		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 00:21	RWS	D
WET CHEMISTRY										
Moisture	28.1		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	71.9		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	181		mg/kg	13.1	SW846 6010C	1/14/14	AAM	1/16/14 05:21	SRT	D1
Barium, Total	33.1		mg/kg	6.6	SW846 6010C	1/14/14	AAM	1/16/14 05:21	SRT	D1
Cadmium, Total	ND		mg/kg	3.3	SW846 6010C	1/14/14	AAM	1/16/14 05:21	SRT	D1
Chromium, Total	33.6		mg/kg	6.6	SW846 6010C	1/14/14	AAM	1/16/14 05:21	SRT	D1
Lead, Total	24.0		mg/kg	13.1	SW846 6010C	1/14/14	AAM	1/16/14 05:21	SRT	D1
Mercury, Total	ND		mg/kg	0.063	SW846 7471B	1/21/14	MRT	1/21/14 10:48	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935008**

Date Collected: 1/9/2014 10:50

Matrix: Solid

Sample ID: **P4-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	32.8	SW846 6010C	1/14/14	AAM	1/16/14 05:21	SRT	D1
Silver, Total	ND		mg/kg	3.3	SW846 6010C	1/14/14	AAM	1/16/14 05:21	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935009**

Date Collected: 1/9/2014 11:00

Matrix: Solid

 Sample ID: **P4-C**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	17.3		ug/kg	10.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Benzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Bromoform	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Bromomethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
2-Butanone	ND		ug/kg	10.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Chloroethane	ND		ug/kg	5.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Chloroform	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Chloromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,4-Dioxane	ND		ug/kg	76.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Freon 113	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
2-Hexanone	ND		ug/kg	10.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Methyl acetate	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	10.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Methylene Chloride	3.1		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935009**

Date Collected: 1/9/2014 11:00

Matrix: Solid

 Sample ID: **P4-C**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Tetrachloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Toluene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Trichloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
o-Xylene	ND		ug/kg	2.0	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
mp-Xylene	ND		ug/kg	4.1	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	101		%	56-124	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
4-Bromofluorobenzene (S)	126		%	51-128	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Dibromofluoromethane (S)	106		%	62-123	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A
Toluene-d8 (S)	113		%	59-131	SW846 8260B	1/9/14	CJG	1/14/14 20:36	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Acenaphthylene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Acetophenone	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Anthracene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Atrazine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Benzaldehyde	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Benzo(a)anthracene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Benzo(a)pyrene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Biphenyl	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Butylbenzylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Caprolactam	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Carbazole	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
4-Chloroaniline	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935009**

Date Collected: 1/9/2014 11:00

Matrix: Solid

 Sample ID: **P4-C**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2-Chloronaphthalene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2-Chlorophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Chrysene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
mp-Cresol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
o-Cresol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Di-n-Butylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Di-n-Octylphthalate	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Dibenzofuran	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	165	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2,4-Dichlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Diethylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2,4-Dimethylphenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Dimethylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2,4-Dinitrophenol	ND		ug/kg	220	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Fluoranthene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Fluorene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Hexachlorobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Hexachlorobutadiene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Hexachloroethane	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Isophorone	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2-Methylnaphthalene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Naphthalene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2-Nitroaniline	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
3-Nitroaniline	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
4-Nitroaniline	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Nitrobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2-Nitrophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
4-Nitrophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Pentachlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Phenanthrene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935009**

Date Collected: 1/9/2014 11:00

Matrix: Solid

 Sample ID: **P4-C**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Pyrene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	78		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2-Fluorobiphenyl (S)	72.8		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
2-Fluorophenol (S)	79.7		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Nitrobenzene-d5 (S)	72.6		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Phenol-d5 (S)	78.1		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
Terphenyl-d14 (S)	96.5		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 12:15	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	74		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
Tetrachloro-m-xylene (S)	86.6		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 00:39	RWS	D
WET CHEMISTRY										
Moisture	9.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	90.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	19.3	SW846 6010C	1/14/14	AAM	1/16/14 05:25	SRT	D1
Barium, Total	15.1		mg/kg	9.7	SW846 6010C	1/14/14	AAM	1/16/14 05:25	SRT	D1
Cadmium, Total	ND		mg/kg	4.8	SW846 6010C	1/14/14	AAM	1/16/14 05:25	SRT	D1
Chromium, Total	13.1		mg/kg	9.7	SW846 6010C	1/14/14	AAM	1/16/14 05:25	SRT	D1
Lead, Total	ND		mg/kg	19.3	SW846 6010C	1/14/14	AAM	1/16/14 05:25	SRT	D1
Mercury, Total	ND		mg/kg	0.053	SW846 7471B	1/21/14	MRT	1/21/14 10:49	MRT	D2

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 Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935009**

Date Collected: 1/9/2014 11:00

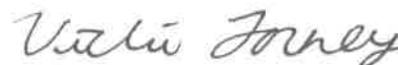
Matrix: Solid

Sample ID: **P4-C**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	48.3	SW846 6010C	1/14/14	AAM	1/16/14 05:25	SRT	D1
Silver, Total	ND		mg/kg	4.8	SW846 6010C	1/14/14	AAM	1/16/14 05:25	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935010**

Date Collected: 1/9/2014 11:10

Matrix: Solid

 Sample ID: **P5-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	107		ug/kg	24.3	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Benzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Bromochloromethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Bromodichloromethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Bromoform	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Bromomethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
2-Butanone	ND		ug/kg	24.3	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Carbon Disulfide	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Carbon Tetrachloride	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Chlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Chlorodibromomethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Chloroethane	ND		ug/kg	12.1	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Chloroform	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Chloromethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Cyclohexane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	12.1	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,2-Dibromoethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Dichlorodifluoromethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,1-Dichloroethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,2-Dichloroethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,1-Dichloroethene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,2-Dichloropropane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,4-Dioxane	ND		ug/kg	182	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Ethylbenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Freon 113	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
2-Hexanone	ND		ug/kg	24.3	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Isopropylbenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Methyl acetate	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Methyl cyclohexane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	24.3	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Methylene Chloride	11.7		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935010**

Date Collected: 1/9/2014 11:10

Matrix: Solid

 Sample ID: **P5-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	7.7		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Styrene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Tetrachloroethene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Toluene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Total Xylenes	ND		ug/kg	14.6	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	12.1	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	12.1	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Trichloroethene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Trichlorofluoromethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,2,4-Trimethylbenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
1,3,5-Trimethylbenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Vinyl Chloride	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
o-Xylene	ND		ug/kg	4.9	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
mp-Xylene	ND		ug/kg	9.7	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	102		%	56-124	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
4-Bromofluorobenzene (S)	91		%	51-128	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Dibromofluoromethane (S)	105		%	62-123	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A
Toluene-d8 (S)	109		%	59-131	SW846 8260B	1/9/14	CJG	1/14/14 20:59	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Acenaphthylene	1440		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Acetophenone	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Anthracene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Atrazine	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Benzaldehyde	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Benzo(a)anthracene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Benzo(a)pyrene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Biphenyl	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Butylbenzylphthalate	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Caprolactam	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Carbazole	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935010**

Date Collected: 1/9/2014 11:10

Matrix: Solid

 Sample ID: **P5-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Chloro-3-methylphenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
4-Chloroaniline	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
bis(2-Chloroisopropyl)ether	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2-Chloronaphthalene	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2-Chlorophenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Chrysene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
mp-Cresol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
o-Cresol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Di-n-Butylphthalate	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Di-n-Octylphthalate	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Dibenzofuran	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	1840	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2,4-Dichlorophenol	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Diethylphthalate	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2,4-Dimethylphenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Dimethylphthalate	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2,4-Dinitrophenol	ND		ug/kg	2450	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Fluoranthene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Fluorene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Hexachlorobenzene	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Hexachlorobutadiene	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Hexachloroethane	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Isophorone	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2-Methylnaphthalene	3570		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Naphthalene	ND		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2-Nitroaniline	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
3-Nitroaniline	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
4-Nitroaniline	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Nitrobenzene	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2-Nitrophenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
4-Nitrophenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935010**

Date Collected: 1/9/2014 11:10

Matrix: Solid

 Sample ID: **P5-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
N-Nitroso-di-n-propylamine	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Pentachlorophenol	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Phenanthrene	1890		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Phenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Pyrene	2200		ug/kg	612	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	3310	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	1220	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	90.4		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2-Fluorobiphenyl (S)	83.5		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
2-Fluorophenol (S)	80.5		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Nitrobenzene-d5 (S)	74.7		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Phenol-d5 (S)	82.1		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D
Terphenyl-d14 (S)	98.3		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 17:09	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Aroclor-1221	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Aroclor-1232	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Aroclor-1242	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Aroclor-1248	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Aroclor-1254	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Aroclor-1260	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Aroclor-1262	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Aroclor-1268	ND		mg/kg	0.040	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	56.3		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D
Tetrachloro-m-xylene (S)	70.3		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 01:34	RWS	D

WET CHEMISTRY

Moisture	19.2		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	80.8		%	0.1	S2540G-97			1/14/14 05:14	ECI	A

METALS

Arsenic, Total	6.4		mg/kg	2.2	SW846 6010C	1/14/14	AAM	1/15/14 03:31	SRT	D1
Barium, Total	98.7		mg/kg	1.1	SW846 6010C	1/14/14	AAM	1/15/14 03:31	SRT	D1

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935010**

Date Collected: 1/9/2014 11:10

Matrix: Solid

Sample ID: **P5-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Cadmium, Total	ND		mg/kg	0.55	SW846 6010C	1/14/14	AAM	1/15/14 03:31	SRT	D1
Chromium, Total	14.5		mg/kg	1.1	SW846 6010C	1/14/14	AAM	1/15/14 03:31	SRT	D1
Lead, Total	129		mg/kg	2.2	SW846 6010C	1/14/14	AAM	1/15/14 03:31	SRT	D1
Mercury, Total	0.091		mg/kg	0.056	SW846 7471B	1/21/14	MRT	1/21/14 10:50	MRT	D2
Selenium, Total	ND		mg/kg	5.5	SW846 6010C	1/14/14	AAM	1/15/14 03:31	SRT	D1
Silver, Total	ND		mg/kg	0.55	SW846 6010C	1/14/14	AAM	1/15/14 03:31	SRT	D1

Sample Comments:


Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935011**

Date Collected: 1/9/2014 11:30

Matrix: Solid

 Sample ID: **P6-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	10.5	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Benzene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Bromochloromethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Bromodichloromethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Bromoform	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Bromomethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
2-Butanone	ND		ug/kg	10.5	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Carbon Disulfide	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Carbon Tetrachloride	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Chlorobenzene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Chlorodibromomethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Chloroethane	ND		ug/kg	5.2	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Chloroform	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Chloromethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Cyclohexane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,2-Dibromoethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,1-Dichloroethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,2-Dichloroethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,1-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,2-Dichloropropane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,4-Dioxane	ND		ug/kg	78.7	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Ethylbenzene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Freon 113	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
2-Hexanone	ND		ug/kg	10.5	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Isopropylbenzene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Methyl acetate	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Methyl cyclohexane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	10.5	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Methylene Chloride	5.8	1,2	ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935011**

Date Collected: 1/9/2014 11:30

Matrix: Solid

 Sample ID: **P6-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Tetrachloroethene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Toluene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Trichloroethene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Trichlorofluoromethane	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Vinyl Chloride	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
o-Xylene	ND		ug/kg	2.1	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
mp-Xylene	ND		ug/kg	4.2	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.1		%	56-124	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
4-Bromofluorobenzene (S)	98.1		%	51-128	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Dibromofluoromethane (S)	77		%	62-123	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A
Toluene-d8 (S)	83		%	59-131	SW846 8260B	1/9/14	DD	1/15/14 03:07	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Acenaphthylene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Acetophenone	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Anthracene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Atrazine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Benzaldehyde	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Benzo(a)anthracene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Benzo(a)pyrene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Biphenyl	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Butylbenzylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Caprolactam	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Carbazole	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
4-Chloroaniline	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935011**

Date Collected: 1/9/2014 11:30

Matrix: Solid

Sample ID: **P6-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2-Chloronaphthalene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2-Chlorophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Chrysene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
mp-Cresol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
o-Cresol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Di-n-Butylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Di-n-Octylphthalate	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Dibenzofuran	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	165	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2,4-Dichlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Diethylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2,4-Dimethylphenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Dimethylphthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2,4-Dinitrophenol	ND		ug/kg	220	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Fluoranthene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Fluorene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Hexachlorobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Hexachlorobutadiene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Hexachloroethane	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Isophorone	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2-Methylnaphthalene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Naphthalene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2-Nitroaniline	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
3-Nitroaniline	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
4-Nitroaniline	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Nitrobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2-Nitrophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
4-Nitrophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Pentachlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Phenanthrene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935011**

Date Collected: 1/9/2014 11:30

Matrix: Solid

 Sample ID: **P6-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Pyrene	ND		ug/kg	54.9	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	297	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	58.5		%	37-123	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2-Fluorobiphenyl (S)	74.7		%	45-105	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
2-Fluorophenol (S)	69.3		%	35-104	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Nitrobenzene-d5 (S)	71.8		%	41-110	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Phenol-d5 (S)	75.3		%	40-100	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
Terphenyl-d14 (S)	89.1		%	38-113	SW846 8270D	1/14/14	MMM	1/14/14 12:39	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Aroclor-1260	0.041		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	46.1		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
Tetrachloro-m-xylene (S)	62.7		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 01:52	RWS	D
WET CHEMISTRY										
Moisture	9.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	90.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	12.9		mg/kg	10.0	SW846 6010C	1/14/14	AAM	1/16/14 05:29	SRT	D1
Barium, Total	84.0		mg/kg	5.0	SW846 6010C	1/14/14	AAM	1/16/14 05:29	SRT	D1
Cadmium, Total	3.9		mg/kg	2.5	SW846 6010C	1/14/14	AAM	1/16/14 05:29	SRT	D1
Chromium, Total	49.8		mg/kg	5.0	SW846 6010C	1/14/14	AAM	1/16/14 05:29	SRT	D1
Lead, Total	4250		mg/kg	10.0	SW846 6010C	1/14/14	AAM	1/16/14 05:29	SRT	D1
Mercury, Total	0.064	3	mg/kg	0.055	SW846 7471B	1/21/14	MRT	1/21/14 10:53	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935011**

Date Collected: 1/9/2014 11:30

Matrix: Solid

Sample ID: **P6-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	25.0	SW846 6010C	1/14/14	AAM	1/16/14 05:29	SRT	D1
Silver, Total	ND		mg/kg	2.5	SW846 6010C	1/14/14	AAM	1/16/14 05:29	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935012**

Date Collected: 1/9/2014 11:50

Matrix: Solid

Sample ID: **P6-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	11.0	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Benzene	4.5		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Bromoform	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Bromomethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
2-Butanone	ND		ug/kg	11.0	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Carbon Disulfide	4.2		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Chloroethane	ND		ug/kg	5.5	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Chloroform	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Chloromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Cyclohexane	69.6		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
cis-1,2-Dichloroethene	19.5		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,4-Dioxane	ND		ug/kg	82.7	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Freon 113	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
2-Hexanone	ND		ug/kg	11.0	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Methyl acetate	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Methyl cyclohexane	87.9		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.0	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Methylene Chloride	8.5		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935012**

Date Collected: 1/9/2014 11:50

Matrix: Solid

Sample ID: **P6-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Tetrachloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Toluene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Trichloroethene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Vinyl Chloride	13.3		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
o-Xylene	ND		ug/kg	2.2	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
mp-Xylene	ND		ug/kg	4.4	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77.9		%	56-124	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
4-Bromofluorobenzene (S)	94.9		%	51-128	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Dibromofluoromethane (S)	79		%	62-123	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A
Toluene-d8 (S)	82.2		%	59-131	SW846 8260B	1/9/14	TMP	1/17/14 17:02	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Acenaphthylene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Acetophenone	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Anthracene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Atrazine	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Benzaldehyde	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Benzo(a)anthracene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Benzo(a)pyrene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Biphenyl	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Butylbenzylphthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Caprolactam	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Carbazole	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
4-Chloroaniline	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935012**

Date Collected: 1/9/2014 11:50

Matrix: Solid

 Sample ID: **P6-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2-Chloronaphthalene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2-Chlorophenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Chrysene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
mp-Cresol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
o-Cresol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Di-n-Butylphthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Di-n-Octylphthalate	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Dibenzofuran	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	195	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2,4-Dichlorophenol	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Diethylphthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2,4-Dimethylphenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Dimethylphthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2,4-Dinitrophenol	ND		ug/kg	261	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Fluoranthene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Fluorene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Hexachlorobenzene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Hexachlorobutadiene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Hexachloroethane	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Isophorone	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2-Methylnaphthalene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Naphthalene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2-Nitroaniline	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
3-Nitroaniline	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
4-Nitroaniline	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Nitrobenzene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2-Nitrophenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
4-Nitrophenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Pentachlorophenol	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Phenanthrene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935012**

Date Collected: 1/9/2014 11:50

Matrix: Solid

 Sample ID: **P6-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Pyrene	ND		ug/kg	65.2	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	352	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	130	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	90.6		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2-Fluorobiphenyl (S)	76.6		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
2-Fluorophenol (S)	83.7		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Nitrobenzene-d5 (S)	76.6		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Phenol-d5 (S)	85.1		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
Terphenyl-d14 (S)	95.2		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 09:42	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Aroclor-1221	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Aroclor-1232	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Aroclor-1242	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Aroclor-1248	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Aroclor-1254	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Aroclor-1260	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Aroclor-1262	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Aroclor-1268	ND		mg/kg	0.042	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	71.3		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
Tetrachloro-m-xylene (S)	92.4		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 02:10	RWS	D
WET CHEMISTRY										
Moisture	23.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	76.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	3.9		mg/kg	2.3	SW846 6010C	1/14/14	AAM	1/15/14 03:39	SRT	D1
Barium, Total	53.8		mg/kg	1.2	SW846 6010C	1/14/14	AAM	1/15/14 03:39	SRT	D1
Cadmium, Total	ND		mg/kg	0.58	SW846 6010C	1/14/14	AAM	1/15/14 03:39	SRT	D1
Chromium, Total	16.5		mg/kg	1.2	SW846 6010C	1/14/14	AAM	1/15/14 03:39	SRT	D1
Lead, Total	36.5		mg/kg	2.3	SW846 6010C	1/14/14	AAM	1/15/14 03:39	SRT	D1
Mercury, Total	0.082		mg/kg	0.060	SW846 7471B	1/21/14	MRT	1/21/14 10:57	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935012**

Date Collected: 1/9/2014 11:50

Matrix: Solid

Sample ID: **P6-B**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	5.8	SW846 6010C	1/14/14	AAM	1/15/14 03:39	SRT	D1
Silver, Total	ND		mg/kg	0.58	SW846 6010C	1/14/14	AAM	1/15/14 03:39	SRT	D1

Sample Comments:


Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935013**

Date Collected: 1/9/2014 12:10

Matrix: Solid

 Sample ID: **DUP-1**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	11.5	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Benzene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Bromochloromethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Bromodichloromethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Bromoform	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Bromomethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
2-Butanone	ND		ug/kg	11.5	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Carbon Disulfide	8.6		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Carbon Tetrachloride	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Chlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Chlorodibromomethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Chloroethane	ND		ug/kg	5.8	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Chloroform	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Chloromethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Cyclohexane	75.5		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,2-Dibromoethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,2-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,3-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,4-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Dichlorodifluoromethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,1-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,2-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,1-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
cis-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
trans-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,2-Dichloropropane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
cis-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
trans-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,4-Dioxane	ND		ug/kg	86.5	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Ethylbenzene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Freon 113	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
2-Hexanone	ND		ug/kg	11.5	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Isopropylbenzene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Methyl acetate	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Methyl cyclohexane	173		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Methyl t-Butyl Ether	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.5	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Methylene Chloride	15.9		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935013**

Date Collected: 1/9/2014 12:10

Matrix: Solid

 Sample ID: **DUP-1**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Tetrachloroethene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Toluene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,1,1-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
1,1,2-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Trichloroethene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Trichlorofluoromethane	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Vinyl Chloride	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
o-Xylene	ND		ug/kg	2.3	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
mp-Xylene	ND		ug/kg	4.6	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	82.2		%	56-124	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
4-Bromofluorobenzene (S)	79.6		%	51-128	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Dibromofluoromethane (S)	75.8		%	62-123	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A
Toluene-d8 (S)	80.2		%	59-131	SW846 8260B	1/9/14	TMP	1/17/14 17:25	CJG	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Acenaphthylene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Acetophenone	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Anthracene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Atrazine	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Benzaldehyde	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Benzo(a)anthracene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Benzo(a)pyrene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Biphenyl	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Butylbenzylphthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Caprolactam	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Carbazole	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
4-Chloroaniline	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935013**

Date Collected: 1/9/2014 12:10

Matrix: Solid

Sample ID: **DUP-1**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2-Chloronaphthalene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2-Chlorophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Chrysene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
mp-Cresol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
o-Cresol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Di-n-Butylphthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Di-n-Octylphthalate	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Dibenzofuran	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	187	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2,4-Dichlorophenol	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Diethylphthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2,4-Dimethylphenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Dimethylphthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2,4-Dinitrophenol	ND		ug/kg	249	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Fluorene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Hexachlorobenzene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Hexachlorobutadiene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Hexachloroethane	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Isophorone	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2-Methylnaphthalene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Naphthalene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
3-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
4-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Nitrobenzene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2-Nitrophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
4-Nitrophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Pentachlorophenol	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Phenanthrene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D

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Vancouver Waterloo · Winnipeg · Yellowknife **United States:** Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York **Mexico:** Monterrey

ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935013**

Date Collected: 1/9/2014 12:10

Matrix: Solid

 Sample ID: **DUP-1**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Pyrene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	72		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2-Fluorobiphenyl (S)	60.4		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
2-Fluorophenol (S)	68.9		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Nitrobenzene-d5 (S)	60.7		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Phenol-d5 (S)	68.9		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D
Terphenyl-d14 (S)	74.6		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 10:06	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Aroclor-1221	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Aroclor-1232	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Aroclor-1242	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Aroclor-1248	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Aroclor-1254	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Aroclor-1260	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Aroclor-1262	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Aroclor-1268	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	72		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D
Tetrachloro-m-xylene (S)	95		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 03:05	RWS	D

WET CHEMISTRY

Moisture	22.5		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	77.5		%	0.1	S2540G-97			1/14/14 05:14	ECI	A

METALS

Arsenic, Total	ND		mg/kg	2.5	SW846 6010C	1/14/14	AAM	1/15/14 03:42	SRT	D1
Barium, Total	36.4		mg/kg	1.2	SW846 6010C	1/14/14	AAM	1/15/14 03:42	SRT	D1
Cadmium, Total	ND		mg/kg	0.62	SW846 6010C	1/14/14	AAM	1/15/14 03:42	SRT	D1
Chromium, Total	15.1		mg/kg	1.2	SW846 6010C	1/14/14	AAM	1/15/14 03:42	SRT	D1
Lead, Total	14.6		mg/kg	2.5	SW846 6010C	1/14/14	AAM	1/15/14 03:42	SRT	D1
Mercury, Total	ND		mg/kg	0.057	SW846 7471B	1/21/14	MRT	1/21/14 10:58	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935013**

Date Collected: 1/9/2014 12:10

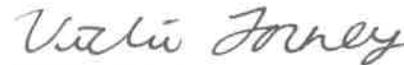
Matrix: Solid

Sample ID: **DUP-1**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	6.2	SW846 6010C	1/14/14	AAM	1/15/14 03:42	SRT	D1
Silver, Total	ND		mg/kg	0.62	SW846 6010C	1/14/14	AAM	1/15/14 03:42	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935014**

Date Collected: 1/9/2014 13:15

Matrix: Solid

 Sample ID: **P7-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	216		ug/kg	12.7	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Benzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Bromochloromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Bromodichloromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Bromoform	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Bromomethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
2-Butanone	ND		ug/kg	12.7	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Carbon Disulfide	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Carbon Tetrachloride	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Chlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Chlorodibromomethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Chloroethane	ND		ug/kg	6.3	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Chloroform	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Chloromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Cyclohexane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,2-Dibromoethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,1-Dichloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,2-Dichloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,1-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,2-Dichloropropane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,4-Dioxane	ND		ug/kg	94.9	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Ethylbenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Freon 113	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
2-Hexanone	ND		ug/kg	12.7	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Isopropylbenzene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Methyl acetate	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Methyl cyclohexane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	12.7	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Methylene Chloride	8.1	1,2	ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935014**
 Sample ID: **P7-A**

 Date Collected: 1/9/2014 13:15 Matrix: Solid
 Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Tetrachloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Toluene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Trichloroethene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Trichlorofluoromethane	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Vinyl Chloride	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
o-Xylene	ND		ug/kg	2.5	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
mp-Xylene	ND		ug/kg	5.1	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77.5		%	56-124	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
4-Bromofluorobenzene (S)	96.1		%	51-128	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Dibromofluoromethane (S)	77.4		%	62-123	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A
Toluene-d8 (S)	82.1		%	59-131	SW846 8260B	1/9/14	DD	1/15/14 03:30	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Acenaphthylene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Acetophenone	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Anthracene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Atrazine	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Benzaldehyde	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Benzo(a)anthracene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Benzo(a)pyrene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Biphenyl	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Butylbenzylphthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Caprolactam	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Carbazole	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
4-Chloroaniline	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935014**

Date Collected: 1/9/2014 13:15

Matrix: Solid

 Sample ID: **P7-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2-Chloronaphthalene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2-Chlorophenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Chrysene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
mp-Cresol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
o-Cresol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Di-n-Butylphthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Di-n-Octylphthalate	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Dibenzofuran	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	154	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2,4-Dichlorophenol	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Diethylphthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2,4-Dimethylphenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Dimethylphthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2,4-Dinitrophenol	ND		ug/kg	205	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Fluoranthene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Fluorene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Hexachlorobenzene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Hexachlorobutadiene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Hexachloroethane	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Isophorone	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2-Methylnaphthalene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Naphthalene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2-Nitroaniline	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
3-Nitroaniline	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
4-Nitroaniline	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Nitrobenzene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2-Nitrophenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
4-Nitrophenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Pentachlorophenol	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Phenanthrene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935014**

Date Collected: 1/9/2014 13:15

Matrix: Solid

Sample ID: **P7-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Pyrene	ND		ug/kg	51.2	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	276	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	78.5		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2-Fluorobiphenyl (S)	72.7		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
2-Fluorophenol (S)	78.2		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Nitrobenzene-d5 (S)	73.3		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Phenol-d5 (S)	77.6		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
Terphenyl-d14 (S)	90.9		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 10:30	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Aroclor-1221	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Aroclor-1232	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Aroclor-1242	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Aroclor-1248	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Aroclor-1254	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Aroclor-1260	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Aroclor-1262	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Aroclor-1268	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	68.4		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
Tetrachloro-m-xylene (S)	82.7		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 03:23	RWS	D
WET CHEMISTRY										
Moisture	4.6		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	95.4		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	9.7	SW846 6010C	1/14/14	AAM	1/16/14 02:36	SRT	D1
Barium, Total	172		mg/kg	4.9	SW846 6010C	1/14/14	AAM	1/16/14 02:36	SRT	D1
Cadmium, Total	ND		mg/kg	2.4	SW846 6010C	1/14/14	AAM	1/16/14 02:36	SRT	D1
Chromium, Total	60.8		mg/kg	4.9	SW846 6010C	1/14/14	AAM	1/16/14 02:36	SRT	D1
Lead, Total	144		mg/kg	9.7	SW846 6010C	1/14/14	AAM	1/16/14 02:36	SRT	D1
Mercury, Total	ND		mg/kg	0.046	SW846 7471B	1/21/14	MRT	1/21/14 10:59	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935014**

Date Collected: 1/9/2014 13:15

Matrix: Solid

Sample ID: **P7-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	24.3	SW846 6010C	1/14/14	AAM	1/16/14 02:36	SRT	D1
Silver, Total	ND		mg/kg	2.4	SW846 6010C	1/14/14	AAM	1/16/14 02:36	SRT	D1

Sample Comments:

Vicki Forney
 Vicki Forney
 Project Coordinator

ALS Environmental Laboratory Locations Across North America

Canada: Burlington · Calgary · Centre of Excellence · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay
 Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935015**
 Sample ID: **P8-A**

 Date Collected: 1/9/2014 13:30 Matrix: Solid
 Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	16.6		ug/kg	9.2	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Benzene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Bromochloromethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Bromodichloromethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Bromoform	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Bromomethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
2-Butanone	ND		ug/kg	9.2	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Carbon Disulfide	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Carbon Tetrachloride	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Chlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Chlorodibromomethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Chloroethane	ND		ug/kg	4.6	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Chloroform	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Chloromethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Cyclohexane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,2-Dibromoethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,2-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,3-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,4-Dichlorobenzene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Dichlorodifluoromethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,1-Dichloroethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,2-Dichloroethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,1-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,2-Dichloropropane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,4-Dioxane	ND		ug/kg	69.1	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Ethylbenzene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Freon 113	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
2-Hexanone	ND		ug/kg	9.2	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Isopropylbenzene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Methyl acetate	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Methyl cyclohexane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Methyl t-Butyl Ether	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.2	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Methylene Chloride	6.0	1,2	ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A

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Workorder: 1066935 AMW

 Lab ID: **1066935015**
 Sample ID: **P8-A**

 Date Collected: 1/9/2014 13:30
 Date Received: 1/10/2014 19:00

Matrix: Solid

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Tetrachloroethene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Toluene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,1,1-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
1,1,2-Trichloroethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Trichloroethene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Trichlorofluoromethane	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Vinyl Chloride	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
o-Xylene	ND		ug/kg	1.8	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
mp-Xylene	ND		ug/kg	3.7	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77.5		%	56-124	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
4-Bromofluorobenzene (S)	109		%	51-128	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Dibromofluoromethane (S)	76.1		%	62-123	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A
Toluene-d8 (S)	82.2		%	59-131	SW846 8260B	1/9/14	DD	1/15/14 03:53	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Acenaphthylene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Acetophenone	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Anthracene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Atrazine	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Benzaldehyde	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Benzo(a)anthracene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Benzo(a)pyrene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Benzo(b)fluoranthene	55.9		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Biphenyl	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Butylbenzylphthalate	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Caprolactam	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Carbazole	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
4-Chloroaniline	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D

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Workorder: 1066935 AMW

Lab ID: **1066935015**

Date Collected: 1/9/2014 13:30

Matrix: Solid

Sample ID: **P8-A**

Date Received: 1/10/2014 19:00

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bis(2-Chloroisopropyl)ether	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2-Chloronaphthalene	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2-Chlorophenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Chrysene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
mp-Cresol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
o-Cresol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Di-n-Butylphthalate	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Di-n-Octylphthalate	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Dibenzofuran	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	152	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2,4-Dichlorophenol	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Diethylphthalate	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2,4-Dimethylphenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Dimethylphthalate	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2,4-Dinitrophenol	ND		ug/kg	202	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Fluoranthene	52.2		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Fluorene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Hexachlorobenzene	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Hexachlorobutadiene	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Hexachloroethane	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Isophorone	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2-Methylnaphthalene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Naphthalene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2-Nitroaniline	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
3-Nitroaniline	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
4-Nitroaniline	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Nitrobenzene	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2-Nitrophenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
4-Nitrophenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Pentachlorophenol	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Phenanthrene	ND		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D

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Matrix: Solid

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Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Pyrene	50.6		ug/kg	50.5	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	273	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	101	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	77.4		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2-Fluorobiphenyl (S)	81.9		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
2-Fluorophenol (S)	83.9		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Nitrobenzene-d5 (S)	81.9		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Phenol-d5 (S)	84.9		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
Terphenyl-d14 (S)	99.1		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 10:55	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Aroclor-1221	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Aroclor-1232	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Aroclor-1242	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Aroclor-1248	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Aroclor-1254	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Aroclor-1260	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Aroclor-1262	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Aroclor-1268	ND		mg/kg	0.034	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	67.1		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
Tetrachloro-m-xylene (S)	85.1		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 03:42	RWS	D
WET CHEMISTRY										
Moisture	5.8		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	94.2		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	10.2	SW846 6010C	1/14/14	AAM	1/16/14 05:32	SRT	D1
Barium, Total	28.0		mg/kg	5.1	SW846 6010C	1/14/14	AAM	1/16/14 05:32	SRT	D1
Cadmium, Total	ND		mg/kg	2.6	SW846 6010C	1/14/14	AAM	1/16/14 05:32	SRT	D1
Chromium, Total	8.1		mg/kg	5.1	SW846 6010C	1/14/14	AAM	1/16/14 05:32	SRT	D1
Lead, Total	39.0		mg/kg	10.2	SW846 6010C	1/14/14	AAM	1/16/14 05:32	SRT	D1
Mercury, Total	0.096		mg/kg	0.049	SW846 7471B	1/22/14	MRT	1/22/14 10:23	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935015**

Date Collected: 1/9/2014 13:30

Matrix: Solid

Sample ID: **P8-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	25.5	SW846 6010C	1/14/14	AAM	1/16/14 05:32	SRT	D1
Silver, Total	ND		mg/kg	2.6	SW846 6010C	1/14/14	AAM	1/16/14 05:32	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935016**

Date Collected: 1/9/2014 13:55

Matrix: Solid

 Sample ID: **P9-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	34.2		ug/kg	12.8	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Benzene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Bromochloromethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Bromodichloromethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Bromoform	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Bromomethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
2-Butanone	ND		ug/kg	12.8	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Carbon Disulfide	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Carbon Tetrachloride	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Chlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Chlorodibromomethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Chloroethane	ND		ug/kg	6.4	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Chloroform	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Chloromethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,2-Dibromoethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,1-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,2-Dichloroethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,1-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,2-Dichloropropane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,4-Dioxane	ND		ug/kg	96.2	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Ethylbenzene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Freon 113	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
2-Hexanone	ND		ug/kg	12.8	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Isopropylbenzene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Methyl acetate	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Methyl cyclohexane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	12.8	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Methylene Chloride	5.3	1,2	ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935016**
 Sample ID: **P9-A**

 Date Collected: 1/9/2014 13:55 Matrix: Solid
 Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Tetrachloroethene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Toluene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Trichloroethene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Trichlorofluoromethane	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Vinyl Chloride	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
o-Xylene	ND		ug/kg	2.6	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
mp-Xylene	ND		ug/kg	5.1	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77		%	56-124	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
4-Bromofluorobenzene (S)	112		%	51-128	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Dibromofluoromethane (S)	78.5		%	62-123	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A
Toluene-d8 (S)	86.5		%	59-131	SW846 8260B	1/9/14	DD	1/15/14 04:16	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Acenaphthylene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Acetophenone	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Anthracene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Atrazine	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Benzaldehyde	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Benzo(a)anthracene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Benzo(a)pyrene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Biphenyl	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Butylbenzylphthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Caprolactam	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Carbazole	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
4-Chloroaniline	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935016**

Date Collected: 1/9/2014 13:55

Matrix: Solid

 Sample ID: **P9-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2-Chloronaphthalene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2-Chlorophenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Chrysene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
mp-Cresol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
o-Cresol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Di-n-Butylphthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Di-n-Octylphthalate	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Dibenzofuran	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	161	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2,4-Dichlorophenol	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Diethylphthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2,4-Dimethylphenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Dimethylphthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2,4-Dinitrophenol	ND		ug/kg	215	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Fluoranthene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Fluorene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Hexachlorobenzene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Hexachlorobutadiene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Hexachloroethane	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Isophorone	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2-Methylnaphthalene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Naphthalene	55.3		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2-Nitroaniline	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
3-Nitroaniline	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
4-Nitroaniline	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Nitrobenzene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2-Nitrophenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
4-Nitrophenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Pentachlorophenol	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Phenanthrene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935016**

Date Collected: 1/9/2014 13:55

Matrix: Solid

Sample ID: **P9-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Pyrene	ND		ug/kg	53.7	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	290	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	78.9		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2-Fluorobiphenyl (S)	75.5		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
2-Fluorophenol (S)	82.3		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Nitrobenzene-d5 (S)	76.4		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Phenol-d5 (S)	81.9		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
Terphenyl-d14 (S)	92.4		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 11:19	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	75.1		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
Tetrachloro-m-xylene (S)	93.7		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 04:00	RWS	D
WET CHEMISTRY										
Moisture	8.1		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	91.9		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	10.9	SW846 6010C	1/14/14	AAM	1/16/14 03:05	SRT	D1
Barium, Total	77.6		mg/kg	5.4	SW846 6010C	1/14/14	AAM	1/16/14 03:05	SRT	D1
Cadmium, Total	ND		mg/kg	2.7	SW846 6010C	1/14/14	AAM	1/16/14 03:05	SRT	D1
Chromium, Total	14.4		mg/kg	5.4	SW846 6010C	1/14/14	AAM	1/16/14 03:05	SRT	D1
Lead, Total	56.2		mg/kg	10.9	SW846 6010C	1/14/14	AAM	1/16/14 03:05	SRT	D1
Mercury, Total	ND		mg/kg	0.049	SW846 7471B	1/22/14	MRT	1/22/14 10:24	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935016**

Date Collected: 1/9/2014 13:55

Matrix: Solid

Sample ID: **P9-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	27.2	SW846 6010C	1/14/14	AAM	1/16/14 03:05	SRT	D1
Silver, Total	ND		mg/kg	2.7	SW846 6010C	1/14/14	AAM	1/16/14 03:05	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935017**

Date Collected: 1/9/2014 14:05

Matrix: Solid

 Sample ID: **P10-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	162		ug/kg	17.6	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Benzene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Bromochloromethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Bromodichloromethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Bromoform	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Bromomethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
2-Butanone	ND		ug/kg	17.6	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Carbon Disulfide	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Carbon Tetrachloride	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Chlorobenzene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Chlorodibromomethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Chloroethane	ND		ug/kg	8.8	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Chloroform	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Chloromethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Cyclohexane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.8	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,2-Dibromoethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,2-Dichlorobenzene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,3-Dichlorobenzene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,4-Dichlorobenzene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Dichlorodifluoromethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,1-Dichloroethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,2-Dichloroethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,1-Dichloroethene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,2-Dichloropropane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,4-Dioxane	ND		ug/kg	132	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Ethylbenzene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Freon 113	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
2-Hexanone	ND		ug/kg	17.6	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Isopropylbenzene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Methyl acetate	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Methyl cyclohexane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Methyl t-Butyl Ether	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	17.6	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Methylene Chloride	13.9	1,2	ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935017**

Date Collected: 1/9/2014 14:05

Matrix: Solid

 Sample ID: **P10-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Tetrachloroethene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Toluene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	8.8	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	8.8	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,1,1-Trichloroethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
1,1,2-Trichloroethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Trichloroethene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Trichlorofluoromethane	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Vinyl Chloride	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
o-Xylene	ND		ug/kg	3.5	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
mp-Xylene	ND		ug/kg	7.0	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	76.7		%	56-124	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
4-Bromofluorobenzene (S)	97.7		%	51-128	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Dibromofluoromethane (S)	79.2		%	62-123	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A
Toluene-d8 (S)	84.5		%	59-131	SW846 8260B	1/9/14	DD	1/15/14 04:39	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Acenaphthylene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Acetophenone	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Anthracene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Atrazine	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Benzaldehyde	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Benzo(a)anthracene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Benzo(a)pyrene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Biphenyl	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Butylbenzylphthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Caprolactam	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Carbazole	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
4-Chloroaniline	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935017**

Date Collected: 1/9/2014 14:05

Matrix: Solid

Sample ID: **P10-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2-Chloronaphthalene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2-Chlorophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Chrysene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
mp-Cresol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
o-Cresol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Di-n-Butylphthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Di-n-Octylphthalate	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Dibenzofuran	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	187	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2,4-Dichlorophenol	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Diethylphthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2,4-Dimethylphenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Dimethylphthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2,4-Dinitrophenol	ND		ug/kg	249	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Fluoranthene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Fluorene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Hexachlorobenzene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Hexachlorobutadiene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Hexachloroethane	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Isophorone	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2-Methylnaphthalene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Naphthalene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
3-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
4-Nitroaniline	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Nitrobenzene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2-Nitrophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
4-Nitrophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Pentachlorophenol	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Phenanthrene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935017**

Date Collected: 1/9/2014 14:05

Matrix: Solid

 Sample ID: **P10-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Pyrene	ND		ug/kg	62.2	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	336	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	124	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	60.6		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2-Fluorobiphenyl (S)	74.6		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
2-Fluorophenol (S)	76.3		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Nitrobenzene-d5 (S)	74.4		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Phenol-d5 (S)	78.4		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D
Terphenyl-d14 (S)	81.9		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 11:44	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Aroclor-1221	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Aroclor-1232	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Aroclor-1242	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Aroclor-1248	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Aroclor-1254	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Aroclor-1260	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Aroclor-1262	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Aroclor-1268	ND		mg/kg	0.041	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	67.6		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D
Tetrachloro-m-xylene (S)	78.1		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 04:18	RWS	D

WET CHEMISTRY

Moisture	19.8		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	80.2		%	0.1	S2540G-97			1/14/14 05:14	ECI	A

METALS

Arsenic, Total	ND		mg/kg	12.2	SW846 6010C	1/14/14	AAM	1/16/14 03:08	SRT	D1
Barium, Total	40.3		mg/kg	6.1	SW846 6010C	1/14/14	AAM	1/16/14 03:08	SRT	D1
Cadmium, Total	ND		mg/kg	3.1	SW846 6010C	1/14/14	AAM	1/16/14 03:08	SRT	D1
Chromium, Total	10.8		mg/kg	6.1	SW846 6010C	1/14/14	AAM	1/16/14 03:08	SRT	D1
Lead, Total	42.6		mg/kg	12.2	SW846 6010C	1/14/14	AAM	1/16/14 03:08	SRT	D1
Mercury, Total	ND		mg/kg	0.061	SW846 7471B	1/22/14	MRT	1/22/14 10:25	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935017**

Date Collected: 1/9/2014 14:05

Matrix: Solid

Sample ID: **P10-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	30.6	SW846 6010C	1/14/14	AAM	1/16/14 03:08	SRT	D1
Silver, Total	ND		mg/kg	3.1	SW846 6010C	1/14/14	AAM	1/16/14 03:08	SRT	D1

Sample Comments:



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935018**

Date Collected: 1/9/2014 14:40

Matrix: Solid

Sample ID: **P11-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	350		ug/kg	10.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Benzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Bromoform	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Bromomethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
2-Butanone	ND		ug/kg	10.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Chloroethane	ND		ug/kg	5.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Chloroform	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Chloromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,4-Dioxane	ND		ug/kg	75.1	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Freon 113	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
2-Hexanone	ND		ug/kg	10.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Methyl acetate	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	10.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Methylene Chloride	3.6	1,2	ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935018**

Date Collected: 1/9/2014 14:40

Matrix: Solid

 Sample ID: **P11-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Tetrachloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Toluene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Trichloroethene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
o-Xylene	ND		ug/kg	2.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
mp-Xylene	ND		ug/kg	4.0	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	75.3		%	56-124	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
4-Bromofluorobenzene (S)	92		%	51-128	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Dibromofluoromethane (S)	76.5		%	62-123	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A
Toluene-d8 (S)	80.8		%	59-131	SW846 8260B	1/9/14	DD	1/15/14 05:02	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Acenaphthylene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Acetophenone	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Anthracene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Atrazine	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Benzaldehyde	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Benzo(a)anthracene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Benzo(a)pyrene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Biphenyl	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Butylbenzylphthalate	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Caprolactam	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Carbazole	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
4-Chloroaniline	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935018**

Date Collected: 1/9/2014 14:40

Matrix: Solid

 Sample ID: **P11-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2-Chloronaphthalene	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2-Chlorophenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Chrysene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
mp-Cresol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
o-Cresol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Di-n-Butylphthalate	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Di-n-Octylphthalate	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Dibenzofuran	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	155	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2,4-Dichlorophenol	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Diethylphthalate	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2,4-Dimethylphenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Dimethylphthalate	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2,4-Dinitrophenol	ND		ug/kg	207	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Fluoranthene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Fluorene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Hexachlorobenzene	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Hexachlorobutadiene	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Hexachloroethane	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Isophorone	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2-Methylnaphthalene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Naphthalene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2-Nitroaniline	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
3-Nitroaniline	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
4-Nitroaniline	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Nitrobenzene	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2-Nitrophenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
4-Nitrophenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Pentachlorophenol	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Phenanthrene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935018**

Date Collected: 1/9/2014 14:40

Matrix: Solid

 Sample ID: **P11-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Pyrene	ND		ug/kg	51.8	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	280	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	73.3		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2-Fluorobiphenyl (S)	74.2		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
2-Fluorophenol (S)	76.8		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Nitrobenzene-d5 (S)	73.3		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Phenol-d5 (S)	77.1		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D
Terphenyl-d14 (S)	95.7		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 12:09	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Aroclor-1221	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Aroclor-1232	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Aroclor-1242	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Aroclor-1248	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Aroclor-1254	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Aroclor-1260	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Aroclor-1262	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Aroclor-1268	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	62.8		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D
Tetrachloro-m-xylene (S)	84.4		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 04:36	RWS	D

WET CHEMISTRY

Moisture	5.1		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	94.9		%	0.1	S2540G-97			1/14/14 05:14	ECI	A

METALS

Arsenic, Total	ND		mg/kg	10.1	SW846 6010C	1/14/14	AAM	1/16/14 03:12	SRT	D1
Barium, Total	198		mg/kg	5.1	SW846 6010C	1/14/14	AAM	1/16/14 03:12	SRT	D1
Cadmium, Total	ND		mg/kg	2.5	SW846 6010C	1/14/14	AAM	1/16/14 03:12	SRT	D1
Chromium, Total	22.4		mg/kg	5.1	SW846 6010C	1/14/14	AAM	1/16/14 03:12	SRT	D1
Lead, Total	53.3		mg/kg	10.1	SW846 6010C	1/14/14	AAM	1/16/14 03:12	SRT	D1
Mercury, Total	ND		mg/kg	0.052	SW846 7471B	1/22/14	MRT	1/22/14 10:26	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935018**

Date Collected: 1/9/2014 14:40

Matrix: Solid

Sample ID: **P11-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	25.3	SW846 6010C	1/14/14 AAM	1/16/14 03:12	SRT	D1
Silver, Total	ND		mg/kg	2.5	SW846 6010C	1/14/14 AAM	1/16/14 03:12	SRT	D1

Sample Comments:



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935019**

Date Collected: 1/9/2014 14:50

Matrix: Solid

 Sample ID: **P12-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	17.8		ug/kg	9.7	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Benzene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Bromochloromethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Bromodichloromethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Bromoform	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Bromomethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
2-Butanone	ND		ug/kg	9.7	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Carbon Disulfide	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Carbon Tetrachloride	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Chlorobenzene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Chlorodibromomethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Chloroethane	ND		ug/kg	4.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Chloroform	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Chloromethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Cyclohexane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,2-Dibromoethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,2-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,3-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,4-Dichlorobenzene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Dichlorodifluoromethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,1-Dichloroethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,2-Dichloroethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,1-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,2-Dichloropropane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,4-Dioxane	ND		ug/kg	73.1	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Ethylbenzene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Freon 113	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
2-Hexanone	ND		ug/kg	9.7	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Isopropylbenzene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Methyl acetate	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Methyl cyclohexane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Methyl t-Butyl Ether	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	9.7	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Methylene Chloride	12.0	1,2	ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935019**

Date Collected: 1/9/2014 14:50

Matrix: Solid

 Sample ID: **P12-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Tetrachloroethene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Toluene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	4.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,1,1-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
1,1,2-Trichloroethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Trichloroethene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Trichlorofluoromethane	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Vinyl Chloride	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
o-Xylene	ND		ug/kg	1.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
mp-Xylene	ND		ug/kg	3.9	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	76.7		%	56-124	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
4-Bromofluorobenzene (S)	91.1		%	51-128	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Dibromofluoromethane (S)	78		%	62-123	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A
Toluene-d8 (S)	80.1		%	59-131	SW846 8260B	1/9/14	DD	1/15/14 05:25	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Acenaphthylene	74.7		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Acetophenone	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Anthracene	ND		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Atrazine	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Benzaldehyde	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Benzo(a)anthracene	194		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Benzo(a)pyrene	232		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Benzo(b)fluoranthene	411		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Benzo(g,h,i)perylene	219		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Benzo(k)fluoranthene	148		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Biphenyl	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Butylbenzylphthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Caprolactam	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Carbazole	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
4-Chloroaniline	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935019**

Date Collected: 1/9/2014 14:50

Matrix: Solid

Sample ID: **P12-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2-Chloronaphthalene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2-Chlorophenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Chrysene	243		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
mp-Cresol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
o-Cresol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Di-n-Butylphthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Di-n-Octylphthalate	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Dibenzo(a,h)anthracene	55.0		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Dibenzofuran	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	153	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2,4-Dichlorophenol	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Diethylphthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2,4-Dimethylphenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Dimethylphthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2,4-Dinitrophenol	ND		ug/kg	204	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Fluoranthene	265		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Fluorene	ND		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Hexachlorobenzene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Hexachlorobutadiene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Hexachloroethane	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Indeno(1,2,3-cd)pyrene	234		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Isophorone	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2-Methylnaphthalene	ND		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Naphthalene	ND		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2-Nitroaniline	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
3-Nitroaniline	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
4-Nitroaniline	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Nitrobenzene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2-Nitrophenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
4-Nitrophenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Pentachlorophenol	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Phenanthrene	81.5		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935019**

Date Collected: 1/9/2014 14:50

Matrix: Solid

 Sample ID: **P12-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Pyrene	271		ug/kg	51.0	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	275	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	102	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	83.1		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2-Fluorobiphenyl (S)	77		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
2-Fluorophenol (S)	81.5		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Nitrobenzene-d5 (S)	75.6		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Phenol-d5 (S)	79.8		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
Terphenyl-d14 (S)	91		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 14:35	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Aroclor-1221	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Aroclor-1232	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Aroclor-1242	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Aroclor-1248	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Aroclor-1254	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Aroclor-1260	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Aroclor-1262	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Aroclor-1268	ND		mg/kg	0.033	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	68.3		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
Tetrachloro-m-xylene (S)	88.2		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 04:54	RWS	D
WET CHEMISTRY										
Moisture	2.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	97.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	26.4		mg/kg	3.6	SW846 6010C	1/14/14	AAM	1/16/14 03:16	SRT	D1
Barium, Total	69.2		mg/kg	1.8	SW846 6010C	1/14/14	AAM	1/16/14 03:16	SRT	D1
Cadmium, Total	ND		mg/kg	0.90	SW846 6010C	1/14/14	AAM	1/16/14 03:16	SRT	D1
Chromium, Total	89.0		mg/kg	1.8	SW846 6010C	1/14/14	AAM	1/16/14 03:16	SRT	D1
Lead, Total	119		mg/kg	3.6	SW846 6010C	1/14/14	AAM	1/16/14 03:16	SRT	D1
Mercury, Total	ND		mg/kg	0.045	SW846 7471B	1/22/14	MRT	1/22/14 10:29	MRT	D2

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 Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935019**

Date Collected: 1/9/2014 14:50

Matrix: Solid

Sample ID: **P12-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	9.0	SW846 6010C	1/14/14	AAM	1/16/14 03:16	SRT	D1
Silver, Total	ND		mg/kg	0.90	SW846 6010C	1/14/14	AAM	1/16/14 03:16	SRT	D1

Sample Comments:



Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935020**

Date Collected: 1/10/2014 08:30

Matrix: Water

 Sample ID: **Field Blank**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
VOLATILE ORGANICS									
Acetone	ND		ug/L	10.0	SW846 8260B		1/14/14 18:19	JPA	A
Benzene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Bromochloromethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Bromodichloromethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Bromoform	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Bromomethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
2-Butanone	ND		ug/L	10.0	SW846 8260B		1/14/14 18:19	JPA	A
Carbon Disulfide	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Chlorodibromomethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Chloroethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Chloroform	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Chloromethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Cyclohexane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,2-Dibromo-3-chloropropane	ND		ug/L	7.0	SW846 8260B		1/14/14 18:19	JPA	A
1,2-Dibromoethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Dichlorodifluoromethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,2-Dichloropropane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
cis-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
trans-1,3-Dichloropropene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B		1/14/14 18:19	JPA	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Freon 113	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
2-Hexanone	ND		ug/L	5.0	SW846 8260B		1/14/14 18:19	JPA	A
Isopropylbenzene	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Methyl acetate	ND		ug/L	2.0	SW846 8260B		1/14/14 18:19	JPA	A
Methyl cyclohexane	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/L	5.0	SW846 8260B		1/14/14 18:19	JPA	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B		1/14/14 18:19	JPA	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935020**
 Sample ID: **Field Blank**

 Date Collected: 1/10/2014 08:30 Matrix: Water
 Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
Toluene	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
1,2,3-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B			1/14/14 18:19	JPA	A
1,2,4-Trichlorobenzene	ND		ug/L	2.0	SW846 8260B			1/14/14 18:19	JPA	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
Trichlorofluoromethane	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
o-Xylene	ND		ug/L	1.0	SW846 8260B			1/14/14 18:19	JPA	A
mp-Xylene	ND		ug/L	2.0	SW846 8260B			1/14/14 18:19	JPA	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	85.7		%	62-133	SW846 8260B			1/14/14 18:19	JPA	A
4-Bromofluorobenzene (S)	120	6	%	79-114	SW846 8260B			1/14/14 18:19	JPA	A
Dibromofluoromethane (S)	91.3		%	78-116	SW846 8260B			1/14/14 18:19	JPA	A
Toluene-d8 (S)	115		%	76-127	SW846 8260B			1/14/14 18:19	JPA	A

SEMIVOLATILES

Acenaphthene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Acenaphthylene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Acetophenone	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Anthracene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Atrazine	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Benzaldehyde	ND		ug/L	16.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Benzo(a)anthracene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Benzo(a)pyrene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Benzo(b)fluoranthene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Benzo(g,h,i)perylene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Benzo(k)fluoranthene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Biphenyl	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
4-Bromophenyl-phenylether	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Butylbenzylphthalate	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Caprolactam	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Carbazole	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
4-Chloro-3-methylphenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
4-Chloroaniline	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
bis(2-Chloroethoxy)methane	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
bis(2-Chloroethyl)ether	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935020**

Date Collected: 1/10/2014 08:30

Matrix: Water

Sample ID: **Field Blank**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2-Chloronaphthalene	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2-Chlorophenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
4-Chlorophenyl-phenylether	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Chrysene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
mp-Cresol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
o-Cresol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Di-n-Butylphthalate	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Di-n-Octylphthalate	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Dibenzo(a,h)anthracene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Dibenzofuran	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
3,3-Dichlorobenzidine	ND		ug/L	16.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2,4-Dichlorophenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Diethylphthalate	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2,4-Dimethylphenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Dimethylphthalate	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2,4-Dinitrophenol	ND		ug/L	16.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2,4-Dinitrotoluene	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2,6-Dinitrotoluene	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Fluoranthene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Fluorene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Hexachlorobenzene	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Hexachlorobutadiene	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Hexachlorocyclopentadiene	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Hexachloroethane	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Isophorone	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2-Methyl-4,6-dinitrophenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2-Methylnaphthalene	ND		ug/L	2.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Naphthalene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2-Nitroaniline	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
3-Nitroaniline	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
4-Nitroaniline	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Nitrobenzene	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2-Nitrophenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
4-Nitrophenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
N-Nitroso-di-n-propylamine	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
N-Nitrosodiphenylamine	ND		ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Pentachlorophenol	ND		ug/L	16.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Phenanthrene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935020**
 Sample ID: **Field Blank**

 Date Collected: 1/10/2014 08:30
 Date Received: 1/10/2014 19:00

Matrix: Water

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Pyrene	ND		ug/L	1.5	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
1,2,4,5-Tetrachlorobenzene	ND	5	ug/L	3.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2,3,4,6-Tetrachlorophenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2,4,5-Trichlorophenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2,4,6-Trichlorophenol	ND		ug/L	8.0	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	82.5		%	40-125	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2-Fluorobiphenyl (S)	67.2		%	50-110	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
2-Fluorophenol (S)	55.6		%	20-75	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Nitrobenzene-d5 (S)	80.9		%	40-110	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Phenol-d5 (S)	36.8		%	13-49	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C
Terphenyl-d14 (S)	92.8		%	50-122	SW846 8270D	1/14/14	AAE	1/15/14 19:05	GEC	C

PCBs

Aroclor-1016	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Aroclor-1221	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Aroclor-1232	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Aroclor-1242	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Aroclor-1248	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Aroclor-1254	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Aroclor-1260	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Aroclor-1262	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Aroclor-1268	ND		ug/L	0.53	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	80.3		%	30-150	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C
Tetrachloro-m-xylene (S)	85.4		%	36-112	SW846 8082A	1/15/14	AAE	1/17/14 01:37	RWS	C

METALS

Arsenic, Total	ND		mg/L	0.0090	SW846 6010C	1/15/14	AAM	1/21/14 12:32	SRT	E1
Barium, Total	ND		mg/L	0.011	SW846 6010C	1/15/14	AAM	1/21/14 12:32	SRT	E1
Cadmium, Total	ND		mg/L	0.0022	SW846 6010C	1/15/14	AAM	1/21/14 12:32	SRT	E1
Chromium, Total	0.0060		mg/L	0.0056	SW846 6010C	1/15/14	AAM	1/21/14 12:32	SRT	E1
Lead, Total	ND		mg/L	0.0067	SW846 6010C	1/15/14	AAM	1/21/14 12:32	SRT	E1
Mercury, Total	ND		mg/L	0.00050	SW846 7470A	1/20/14	MRT	1/20/14 14:13	MRT	E2
Selenium, Total	ND		mg/L	0.022	SW846 6010C	1/15/14	AAM	1/21/14 12:32	SRT	E1
Silver, Total	ND		mg/L	0.0044	SW846 6010C	1/15/14	AAM	1/21/14 12:32	SRT	E1

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935020**

Date Collected: 1/10/2014 08:30

Matrix: Water

Sample ID: **Field Blank**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
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Sample Comments:

Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935021**

Date Collected: 1/10/2014 08:40

Matrix: Solid

 Sample ID: **P13-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	18.7		ug/kg	10.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Benzene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Bromochloromethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Bromodichloromethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Bromoform	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Bromomethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
2-Butanone	ND		ug/kg	10.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Carbon Disulfide	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Carbon Tetrachloride	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Chlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Chlorodibromomethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Chloroethane	ND		ug/kg	5.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Chloroform	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Chloromethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,2-Dibromoethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,1-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,2-Dichloroethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,1-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,2-Dichloropropane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,4-Dioxane	ND		ug/kg	76.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Ethylbenzene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Freon 113	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
2-Hexanone	ND		ug/kg	10.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Isopropylbenzene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Methyl acetate	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Methyl cyclohexane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	10.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Methylene Chloride	4.6	1,2	ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935021**

Date Collected: 1/10/2014 08:40

Matrix: Solid

Sample ID: **P13-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Tetrachloroethene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Toluene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Trichloroethene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Trichlorofluoromethane	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Vinyl Chloride	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
o-Xylene	ND		ug/kg	2.0	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
mp-Xylene	ND		ug/kg	4.1	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	77.1		%	56-124	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
4-Bromofluorobenzene (S)	91.5		%	51-128	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Dibromofluoromethane (S)	73.4		%	62-123	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A
Toluene-d8 (S)	79.1		%	59-131	SW846 8260B	1/10/14	DD	1/15/14 05:48	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Acenaphthylene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Acetophenone	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Anthracene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Atrazine	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Benzaldehyde	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Benzo(a)anthracene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Benzo(a)pyrene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Biphenyl	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Butylbenzylphthalate	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Caprolactam	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Carbazole	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
4-Chloroaniline	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935021**

Date Collected: 1/10/2014 08:40

Matrix: Solid

Sample ID: **P13-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2-Chloronaphthalene	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2-Chlorophenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Chrysene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
mp-Cresol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
o-Cresol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Di-n-Butylphthalate	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Di-n-Octylphthalate	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Dibenzofuran	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	163	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2,4-Dichlorophenol	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Diethylphthalate	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2,4-Dimethylphenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Dimethylphthalate	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2,4-Dinitrophenol	ND		ug/kg	217	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Fluoranthene	81.3		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Fluorene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Hexachlorobenzene	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Hexachlorobutadiene	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Hexachloroethane	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Isophorone	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2-Methylnaphthalene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Naphthalene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2-Nitroaniline	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
3-Nitroaniline	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
4-Nitroaniline	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Nitrobenzene	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2-Nitrophenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
4-Nitrophenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Pentachlorophenol	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Phenanthrene	ND		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D

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Vancouver Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Middletown · Salt Lake City · Spring City · York Mexico: Monterrey

ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935021**
 Sample ID: **P13-A**

 Date Collected: 1/10/2014 08:40
 Date Received: 1/10/2014 19:00

Matrix: Solid

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Pyrene	80.8		ug/kg	54.3	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	293	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	109	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	53		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2-Fluorobiphenyl (S)	74.7		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
2-Fluorophenol (S)	71		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Nitrobenzene-d5 (S)	76.7		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Phenol-d5 (S)	75.8		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
Terphenyl-d14 (S)	89.1		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 12:57	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	71.4		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
Tetrachloro-m-xylene (S)	87		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 05:13	RWS	D
WET CHEMISTRY										
Moisture	10.3		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	89.7		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	10.5	SW846 6010C	1/14/14	AAM	1/16/14 03:20	SRT	D1
Barium, Total	12.5		mg/kg	5.3	SW846 6010C	1/14/14	AAM	1/16/14 03:20	SRT	D1
Cadmium, Total	ND		mg/kg	2.6	SW846 6010C	1/14/14	AAM	1/16/14 03:20	SRT	D1
Chromium, Total	ND		mg/kg	5.3	SW846 6010C	1/14/14	AAM	1/16/14 03:20	SRT	D1
Lead, Total	ND		mg/kg	10.5	SW846 6010C	1/14/14	AAM	1/16/14 03:20	SRT	D1
Mercury, Total	ND		mg/kg	0.055	SW846 7471B	1/22/14	MRT	1/22/14 10:30	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935021**

Date Collected: 1/10/2014 08:40

Matrix: Solid

Sample ID: **P13-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	26.3	SW846 6010C	1/14/14	AAM	1/16/14 03:20	SRT	D1
Silver, Total	ND		mg/kg	2.6	SW846 6010C	1/14/14	AAM	1/16/14 03:20	SRT	D1

Sample Comments:


Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935022**

Date Collected: 1/10/2014 08:40

Matrix: Solid

Sample ID: **P14-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	47.9		ug/kg	11.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Benzene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Bromochloromethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Bromodichloromethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Bromoform	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Bromomethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
2-Butanone	ND		ug/kg	11.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Carbon Disulfide	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Carbon Tetrachloride	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Chlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Chlorodibromomethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Chloroethane	ND		ug/kg	5.6	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Chloroform	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Chloromethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,2-Dibromoethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,1-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,2-Dichloroethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,1-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,2-Dichloropropane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,4-Dioxane	ND		ug/kg	83.6	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Ethylbenzene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Freon 113	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
2-Hexanone	ND		ug/kg	11.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Isopropylbenzene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Methyl acetate	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Methyl cyclohexane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Methylene Chloride	3.4	1,2	ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935022**
 Sample ID: **P14-A**

 Date Collected: 1/10/2014 08:40 Matrix: Solid
 Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Tetrachloroethene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Toluene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,1,1-Trichloroethane	3.4		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Trichloroethene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Trichlorofluoromethane	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Vinyl Chloride	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
o-Xylene	ND		ug/kg	2.2	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
mp-Xylene	ND		ug/kg	4.5	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	80.3		%	56-124	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
4-Bromofluorobenzene (S)	92		%	51-128	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Dibromofluoromethane (S)	76.8		%	62-123	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A
Toluene-d8 (S)	81.2		%	59-131	SW846 8260B	1/10/14	DD	1/15/14 06:12	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Acenaphthylene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Acetophenone	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Anthracene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Atrazine	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Benzaldehyde	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Benzo(a)anthracene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Benzo(a)pyrene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Benzo(b)fluoranthene	88.9		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Biphenyl	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Butylbenzylphthalate	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Caprolactam	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Carbazole	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
4-Chloroaniline	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D

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Workorder: 1066935 AMW

 Lab ID: **1066935022**

Date Collected: 1/10/2014 08:40

Matrix: Solid

 Sample ID: **P14-A**

Date Received: 1/10/2014 19:00

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bis(2-Chloroisopropyl)ether	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2-Chloronaphthalene	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2-Chlorophenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Chrysene	58.4		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
mp-Cresol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
o-Cresol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Di-n-Butylphthalate	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Di-n-Octylphthalate	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Dibenzofuran	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	168	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2,4-Dichlorophenol	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Diethylphthalate	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2,4-Dimethylphenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Dimethylphthalate	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2,4-Dinitrophenol	ND		ug/kg	224	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Fluoranthene	87.6		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Fluorene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Hexachlorobenzene	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Hexachlorobutadiene	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Hexachloroethane	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Isophorone	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2-Methylnaphthalene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Naphthalene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2-Nitroaniline	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
3-Nitroaniline	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
4-Nitroaniline	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Nitrobenzene	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2-Nitrophenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
4-Nitrophenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Pentachlorophenol	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Phenanthrene	ND		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935022**

Date Collected: 1/10/2014 08:40

Matrix: Solid

Sample ID: **P14-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Pyrene	94.1		ug/kg	56.0	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	303	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	112	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	69.8		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2-Fluorobiphenyl (S)	80.1		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
2-Fluorophenol (S)	76.3		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Nitrobenzene-d5 (S)	76.1		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Phenol-d5 (S)	79.4		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
Terphenyl-d14 (S)	100		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 13:22	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	75.3		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
Tetrachloro-m-xylene (S)	86.4		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 05:31	RWS	D
WET CHEMISTRY										
Moisture	11.9		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	88.1		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	10.9	SW846 6010C	1/14/14	AAM	1/16/14 03:23	SRT	D1
Barium, Total	16.3		mg/kg	5.5	SW846 6010C	1/14/14	AAM	1/16/14 03:23	SRT	D1
Cadmium, Total	ND		mg/kg	2.7	SW846 6010C	1/14/14	AAM	1/16/14 03:23	SRT	D1
Chromium, Total	10.6		mg/kg	5.5	SW846 6010C	1/14/14	AAM	1/16/14 03:23	SRT	D1
Lead, Total	33.1		mg/kg	10.9	SW846 6010C	1/14/14	AAM	1/16/14 03:23	SRT	D1
Mercury, Total	ND		mg/kg	0.048	SW846 7471B	1/22/14	MRT	1/22/14 10:33	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935022**

Date Collected: 1/10/2014 08:40

Matrix: Solid

Sample ID: **P14-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	27.3	SW846 6010C	1/14/14	AAM	1/16/14 03:23	SRT	D1
Silver, Total	ND		mg/kg	2.7	SW846 6010C	1/14/14	AAM	1/16/14 03:23	SRT	D1

Sample Comments:

Vicki Forney
 Vicki Forney
 Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935023**

Date Collected: 1/10/2014 08:50

Matrix: Solid

Sample ID: **P15-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	41.1		ug/kg	10.6	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Benzene	11.0		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Bromochloromethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Bromodichloromethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Bromoform	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Bromomethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
2-Butanone	ND		ug/kg	10.6	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Carbon Disulfide	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Carbon Tetrachloride	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Chlorobenzene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Chlorodibromomethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Chloroethane	ND		ug/kg	5.3	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Chloroform	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Chloromethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Cyclohexane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,2-Dibromoethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,1-Dichloroethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,2-Dichloroethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,1-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,2-Dichloropropane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,4-Dioxane	ND		ug/kg	79.5	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Ethylbenzene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Freon 113	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
2-Hexanone	ND		ug/kg	10.6	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Isopropylbenzene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Methyl acetate	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Methyl cyclohexane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	10.6	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Methylene Chloride	ND	1,2	ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935023**

Date Collected: 1/10/2014 08:50

Matrix: Solid

Sample ID: **P15-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Tetrachloroethene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Toluene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Trichloroethene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Trichlorofluoromethane	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Vinyl Chloride	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
o-Xylene	ND		ug/kg	2.1	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
mp-Xylene	ND		ug/kg	4.2	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	74.7		%	56-124	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
4-Bromofluorobenzene (S)	94.6		%	51-128	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Dibromofluoromethane (S)	77.4		%	62-123	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A
Toluene-d8 (S)	83.7		%	59-131	SW846 8260B	1/10/14	DD	1/15/14 07:44	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Acenaphthylene	ND		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Acetophenone	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Anthracene	ND		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Atrazine	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Benzaldehyde	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Benzo(a)anthracene	150		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Benzo(a)pyrene	148		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Benzo(b)fluoranthene	216		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Benzo(g,h,i)perylene	108		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Benzo(k)fluoranthene	86.8		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Biphenyl	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Butylbenzylphthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Caprolactam	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Carbazole	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
4-Chloroaniline	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935023**

Date Collected: 1/10/2014 08:50

Matrix: Solid

Sample ID: **P15-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2-Chloronaphthalene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2-Chlorophenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Chrysene	175		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
mp-Cresol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
o-Cresol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Di-n-Butylphthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Di-n-Octylphthalate	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Dibenzofuran	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	160	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2,4-Dichlorophenol	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Diethylphthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2,4-Dimethylphenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Dimethylphthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2,4-Dinitrophenol	ND		ug/kg	213	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Fluoranthene	345		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Fluorene	ND		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Hexachlorobenzene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Hexachlorobutadiene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Hexachloroethane	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Indeno(1,2,3-cd)pyrene	113		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Isophorone	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2-Methylnaphthalene	ND		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Naphthalene	ND		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2-Nitroaniline	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
3-Nitroaniline	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
4-Nitroaniline	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Nitrobenzene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2-Nitrophenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
4-Nitrophenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Pentachlorophenol	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Phenanthrene	166		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935023**

Date Collected: 1/10/2014 08:50

Matrix: Solid

 Sample ID: **P15-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Pyrene	324		ug/kg	53.3	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	288	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	107	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	74.9		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2-Fluorobiphenyl (S)	78.8		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
2-Fluorophenol (S)	79.4		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Nitrobenzene-d5 (S)	77.2		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Phenol-d5 (S)	80.4		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
Terphenyl-d14 (S)	98.3		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 13:46	CGS	D
PCBs										
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Aroclor-1262	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Aroclor-1268	ND		mg/kg	0.035	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	74.1		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
Tetrachloro-m-xylene (S)	92.1		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 05:49	RWS	D
WET CHEMISTRY										
Moisture	9.4		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	90.6		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
METALS										
Arsenic, Total	ND		mg/kg	22.1	SW846 6010C	1/14/14	AAM	1/16/14 03:27	SRT	D1
Barium, Total	68.8		mg/kg	11.0	SW846 6010C	1/14/14	AAM	1/16/14 03:27	SRT	D1
Cadmium, Total	ND		mg/kg	5.5	SW846 6010C	1/14/14	AAM	1/16/14 03:27	SRT	D1
Chromium, Total	ND	7	mg/kg	11.0	SW846 6010C	1/14/14	AAM	1/17/14 02:27	SRT	D1
Lead, Total	ND		mg/kg	22.1	SW846 6010C	1/14/14	AAM	1/16/14 03:27	SRT	D1
Mercury, Total	ND		mg/kg	0.049	SW846 7471B	1/22/14	MRT	1/22/14 10:34	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935023**

Date Collected: 1/10/2014 08:50

Matrix: Solid

Sample ID: **P15-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	55.2	SW846 6010C	1/14/14	AAM	1/16/14 03:27	SRT	D1
Silver, Total	ND		mg/kg	5.5	SW846 6010C	1/14/14	AAM	1/16/14 03:27	SRT	D1

Sample Comments:



Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935024**

Date Collected: 1/10/2014 09:10

Matrix: Solid

Sample ID: **P16-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	97.2		ug/kg	11.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Benzene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Bromochloromethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Bromodichloromethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Bromoform	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Bromomethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
2-Butanone	14.0		ug/kg	11.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Carbon Disulfide	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Carbon Tetrachloride	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Chlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Chlorodibromomethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Chloroethane	ND		ug/kg	5.7	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Chloroform	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Chloromethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Cyclohexane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,2-Dibromoethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,2-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,3-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,4-Dichlorobenzene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Dichlorodifluoromethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,1-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,2-Dichloroethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,1-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
cis-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
trans-1,2-Dichloroethene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,2-Dichloropropane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
cis-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
trans-1,3-Dichloropropene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,4-Dioxane	ND		ug/kg	84.8	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Ethylbenzene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Freon 113	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
2-Hexanone	ND		ug/kg	11.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Isopropylbenzene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Methyl acetate	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Methyl cyclohexane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Methyl t-Butyl Ether	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
4-Methyl-2-Pentanone(MIBK)	ND		ug/kg	11.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Methylene Chloride	2.4	1,2	ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935024**

Date Collected: 1/10/2014 09:10

Matrix: Solid

 Sample ID: **P16-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Styrene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Tetrachloroethene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Toluene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,1,1-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
1,1,2-Trichloroethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Trichloroethene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Trichlorofluoromethane	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Vinyl Chloride	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
o-Xylene	ND		ug/kg	2.3	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
mp-Xylene	ND		ug/kg	4.5	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Surrogate Recoveries	Results	Flag	Units	Limits	Method	Prepared	By	Analyzed	By	Cntr
1,2-Dichloroethane-d4 (S)	75.7		%	56-124	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
4-Bromofluorobenzene (S)	94.7		%	51-128	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Dibromofluoromethane (S)	78.5		%	62-123	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A
Toluene-d8 (S)	82.4		%	59-131	SW846 8260B	1/10/14	DD	1/15/14 08:07	DD	A

SEMIVOLATILES

Acenaphthene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Acenaphthylene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Acetophenone	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Anthracene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Atrazine	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Benzaldehyde	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Benzo(a)anthracene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Benzo(a)pyrene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Benzo(b)fluoranthene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Benzo(g,h,i)perylene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Benzo(k)fluoranthene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Biphenyl	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
4-Bromophenyl-phenylether	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Butylbenzylphthalate	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Caprolactam	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Carbazole	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
4-Chloro-3-methylphenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
4-Chloroaniline	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
bis(2-Chloroethoxy)methane	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
bis(2-Chloroethyl)ether	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935024**

Date Collected: 1/10/2014 09:10

Matrix: Solid

Sample ID: **P16-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
bis(2-Chloroisopropyl)ether	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2-Chloronaphthalene	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2-Chlorophenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
4-Chlorophenyl-phenylether	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Chrysene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
mp-Cresol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
o-Cresol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Di-n-Butylphthalate	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Di-n-Octylphthalate	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Dibenzo(a,h)anthracene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Dibenzofuran	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
3,3-Dichlorobenzidine	ND		ug/kg	687	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2,4-Dichlorophenol	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Diethylphthalate	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2,4-Dimethylphenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Dimethylphthalate	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2,4-Dinitrophenol	ND		ug/kg	916	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2,4-Dinitrotoluene	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2,6-Dinitrotoluene	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
bis(2-Ethylhexyl)phthalate	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Fluoranthene	239		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Fluorene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Hexachlorobenzene	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Hexachlorobutadiene	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Hexachlorocyclopentadiene	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Hexachloroethane	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Indeno(1,2,3-cd)pyrene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Isophorone	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2-Methyl-4,6-dinitrophenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2-Methylnaphthalene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Naphthalene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2-Nitroaniline	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
3-Nitroaniline	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
4-Nitroaniline	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Nitrobenzene	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2-Nitrophenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
4-Nitrophenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
N-Nitroso-di-n-propylamine	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
N-Nitrosodiphenylamine	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Pentachlorophenol	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Phenanthrene	ND		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

 Lab ID: **1066935024**

Date Collected: 1/10/2014 09:10

Matrix: Solid

 Sample ID: **P16-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Phenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Pyrene	401		ug/kg	229	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2,3,4,6-Tetrachlorophenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2,4,5-Trichlorophenol	ND		ug/kg	1240	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2,4,6-Trichlorophenol	ND		ug/kg	458	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,4,6-Tribromophenol (S)	79.8		%	37-123	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2-Fluorobiphenyl (S)	76.2		%	45-105	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
2-Fluorophenol (S)	83.8		%	35-104	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Nitrobenzene-d5 (S)	77		%	41-110	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Phenol-d5 (S)	81.5		%	40-100	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D
Terphenyl-d14 (S)	85.9		%	38-113	SW846 8270D	1/15/14	MMM	1/15/14 15:24	CGS	D

PCBs

Aroclor-1016	ND		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Aroclor-1221	ND		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Aroclor-1232	ND		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Aroclor-1242	ND		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Aroclor-1248	ND		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Aroclor-1254	ND		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Aroclor-1260	0.043		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Aroclor-1262	ND		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Aroclor-1268	ND		mg/kg	0.038	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
Decachlorobiphenyl (S)	59.9		%	46-120	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D
Tetrachloro-m-xylene (S)	76.1		%	52-115	SW846 8082A	1/14/14	JJP	1/15/14 06:08	RWS	D

WET CHEMISTRY

Moisture	13.8		%	0.1	S2540G-97			1/14/14 05:14	ECI	A
Total Solids	86.2		%	0.1	S2540G-97			1/14/14 05:14	ECI	A

METALS

Arsenic, Total	ND		mg/kg	22.3	SW846 6010C	1/14/14	AAM	1/16/14 05:36	SRT	D1
Barium, Total	44.8		mg/kg	11.2	SW846 6010C	1/14/14	AAM	1/16/14 05:36	SRT	D1
Cadmium, Total	ND		mg/kg	5.6	SW846 6010C	1/14/14	AAM	1/16/14 05:36	SRT	D1
Chromium, Total	28.7		mg/kg	11.2	SW846 6010C	1/14/14	AAM	1/16/14 05:36	SRT	D1
Lead, Total	41.0		mg/kg	22.3	SW846 6010C	1/14/14	AAM	1/16/14 05:36	SRT	D1
Mercury, Total	ND		mg/kg	0.051	SW846 7471B	1/22/14	MRT	1/22/14 10:36	MRT	D2

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ANALYTICAL RESULTS

Workorder: 1066935 AMW

Lab ID: **1066935024**

Date Collected: 1/10/2014 09:10

Matrix: Solid

Sample ID: **P16-A**

Date Received: 1/10/2014 19:00

Parameters	Results	Flag	Units	RDL	Method	Prepared By	Analyzed	By	Cntr
Selenium, Total	ND		mg/kg	55.8	SW846 6010C	1/14/14 AAM	1/16/14 05:36	SRT	D1
Silver, Total	ND		mg/kg	5.6	SW846 6010C	1/14/14 AAM	1/16/14 05:36	SRT	D1

Sample Comments:

Vicki Forney

Project Coordinator

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 1066935 AMW

PARAMETER QUALIFIERS\FLAGS

- [1] The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 161 and the control limits were 68 to 133.
- [2] The QC sample type LCSD for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 160 and the control limits were 68 to 133.
- [3] One of the two matrix spike analyses performed on this sample failed to meet acceptable recovery limits. The other matrix spike was within acceptable recovery limits. Matrix interferences are the possible cause for the failure.
- [4] The QC sample type MS for method SW846 8260B was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 200 and the control limits were 68 to 133.
- [5] The QC sample type LCS for method SW846 8270D was outside the control limits for the analyte 1,2,4,5-Tetrachlorobenzene. The % Recovery was reported as 48.6 and the control limits were 50 to 102.
- [6] The surrogate 4-Bromofluorobenzene for method SW846 8260B was outside of control limits. The % Recovery was reported as 120 and the control limits were 79 to 114. This result was reported at a dilution of 1.
- [7] The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

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CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADDED AREAS MUST BE COMPLETED BY THE CLIENT
 SAMPLER INSTRUCTIONS ON THE BACK

34 Dogwood Lane
 Middletown, PA 17057
 P. 717-944-5541
 F. 717-944-1430

Co. Name: **EarthRes**
 Contact (Report to): **Scott Campbell**
 Address: **6912 Old Easton Rd.
 PO BOX 468
 Pipersville, PA 18947**

Phone: **215-766-1211**

Container Type: **CG AG AG**
 Container Size: **40ml**
 Preservative (if any): **None**

Matrix: **6 5 0 C**

Enter Number of Containers Per Analysis

1	P1-A	1/9/14 0835	6 50 3	1	1
2	P1-B	1/9/14 0855	6 50 3	1	1
3	P2-A	1/9/14 0915	6 50 3	1	1
4	P2-B	1/9/14 0925	6 50 3	1	1
5	P3-A	1/9/14 0940	6 50 3	1	1
6	P3-B	1/9/14 1000	6 50 3	1	1
7	P4-A	1/9/14 1040	6 50 3	1	1
8	P4-B	1/9/14 1050	6 50 3	1	1

Matrix: **6 5 0 C**

ANALYSIS METHOD REQUESTED
VOCs
BNA, PCB, RPA Metals

Requested # **8**
 Cooler Temp: **200**
 Therm. ID: **JH-215**

No. of Coolers: **1**

Notes:

Correct containers? Y N
 Correct sample volumes? Y N
 Correct preservation? Y N
 Headspace/Voliles? Y N
 Container in good condition? Y N

COC Labels complete/accurate? Y N
 Received on ice? Y N
 (If present) Seals intact? Y N
 Custody seals Present? Y N

ALS FIELD SERVICES
 Recept
 Labor
 Composite Sampling
 Rental Equipment
 Other:

State Samples Collected by
 SD MO
 IL NJ
 NY PA

Standard CLP-like NJ-Reduced NJ-Full
 If yes, format type: Other

DOB Criteria Required? Yes No

Page 1 of 3

Courier: **D**

Tracing #: **1066935**

Project Name: **EarthRes/AMW** ALS Quote #:

TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.

Email? Y N
 Fax? Y N

Sample Description/Location (as it will appear on the lab report)

COC Comments

Sample Date Military Time

Received By / Company Name Date Time

Relinquished By / Company Name Date Time

1 Ryan Campbell ERG 1/14/14 12:00 2 Christopher Kuehn 1-14-14 12:00
 3 Christopher Kuehn 1-14-14 17:00 4 Ryan Campbell 1-10-14 17:00
 5 Ryan Campbell 1-10-14 19:00

Project Comments:

SAMPLED BY (Please Print): **Ryan Connellan**

Relinquished By / Company Name Date Time

1 Ryan Campbell ERG 1/14/14 12:00 2 Christopher Kuehn 1-14-14 12:00
 3 Christopher Kuehn 1-14-14 17:00 4 Ryan Campbell 1-10-14 17:00
 5 Ryan Campbell 1-10-14 19:00

DOB Criteria Required? Yes No

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Page 3 of 3
 Courier: 1506935
 Tracking #:

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADDED AREAS MUST BE COMPLETED BY THE CLIENT
 SAMPLER INSTRUCTIONS ON THE BACK

34 Dogwood Lane
 Middletown, PA 17057
 P. 717-944-5541
 F. 717-944-1430



Co. Name: EarthRes Phone: 215-766-1211
 Contact (Report): Scott Campbell
 Address: 6912 Old Easton Road
PO BOX 468
Pipersville, PA 18947

Bill to (different than Report to):
 PO#: _____

Project Name#: EarthRes/AMW ALS Quote #: _____
 TAT: Normal-Standard TAT is 10-12 business days.
 Rush-Subject to ALS approval and surcharges.
 Approved By: _____

Email: EarthRes@earthres.com
 Fax: No: _____

Sample Description/Location <small>(as it will appear on the lab report)</small>	COC Comments	Sample Date	Primary Time	Matrix	Enter Number of Containers Per Analysis
1 P10-A		1/14/14	1405	6 SO	3 1 1
2 P11-A		1/14/14	1440	6 SO	3 1 1
3 P12-A		1/14/14	1450	6 SO	3 1 1
4 Field Blank 1		1/16/14	0830	6 RW ¹	2 1 2
5 P13-A		1/16/14	0840	6 SO	3 1 1
6 P14-A		1/16/14	0820	6 SO	3 1 1
7 P15-A		1/16/14	0850	6 SO	3 1 1
8 P16-A		1/16/14	0910	6 SO	3 1 1

SAMPLED BY (Please Print): Ryan Connellan
 Project Comments: _____

Retinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<u>Scott Campbell</u>	1/14/14	1240	<u>Chris Lopez</u>	1/14/14	1310
<u>Chris Lopez</u>	1/14/14	1700	<u>AMW</u>	1/16/14	1700
<u>AMW</u>	1/16/14	1900	<u>AMW</u>	1/16/14	1900

Container Type: CG A6 A6 AB PL
 Container Size: 40ml
 Preservatives: None
 Matrix: None

ANALYSES/METHOD REQUESTED:
VOCs
BNA, PCB, RRA Meths
RRA Meths
VOCs

Receipt Information (Required by State Licensing):
 Performed by: SHS
 Cooler Temp: 20C
 Therm ID: TH-215
 No. of Coolers: _____
 Notes: _____

Correct containers?	(If present) Seals intact?	Received on test?	COCLabel complete/correct?	Container in good condition?
<input checked="" type="checkbox"/>				
<input checked="" type="checkbox"/>				
<input checked="" type="checkbox"/>				
<input checked="" type="checkbox"/>				

ALS FIELD SERVICES:
 Pickup
 Labor
 Composites Sampling
 Rental Equipment
 Other: _____

Standard: Standard OLP-800 NI-Reduced NI-Full
 Data Deliverables: If yes, format type: _____

SWM: Form 1/5 Form 2/5 Form 3/5 Form 4/5

DOE Criteria Required?

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
 * G-Grab; C-Composite
 **Matrix: Air/Air; DW=Drinking Water; GW=Groundwater; O=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipes; WW=Wastewater
 ***Container Type: AG-Amber Glass; CG-Clear Glass; PL-Plastic. Container Size: 20ml, 50ml, 1L, etc. Preservative: HCL, HNO3, NaOH, etc.

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Appendix J
Drums and Containers

ALLENTOWN METAL WORKSDrum Condition/Shippability

Drums needing closure bungs: 1, 6, 9, 15, 17, 22, 50, 57, 75, 76, 78, 79, 82, 83, 84, 85, 87, 91, 111, 118, 124, 126, 132

Drums Needing 55 Gal O/P: 14

Drums Needing 85 Gal O/P: 44, 59, 67, 68, 127

Non-Haz Drums that are borderline for needing 85 Gal O/P: 40, 56, 69, 104

Drums that require Lid & Ring: 16, 55, 56, 58, 117, 119, 120, 121, 123, 135

Drums Needing Ring Only: 64, 70, 96, 97, 134

Drums misshaped that require reshaping in order to fit into an 85 Gal O/P: 65, 77

Drums Needing transfer of materials: 131 (Oil)

Above is an estimation only

SMALL ITEM PACKAGING

Non-Hazardous

Water Cont'd with Oil: 3 x 5 Gal
 Oil: 19 x 5 Gal, 13 x Gal
 Grease: 24 x 5 Gal, 5 x 2 Gal, 29 x Qt, 1 x 20 Gal Container-1/3 Full

Latex Products: 2 x 5 Gal, 8 x Gal
 Epoxy Patching Comp.: 3 x 5 Gal
 Joint Compound: 1 x 5 Gal
 Powders (Mortar,Cements): 3 x 50 lb, 1 x 10 Gal, 1 x 5 Gal
 Fire Fighting Powder: 1 x 5 Gal

Packaging: I would think 1 x 55 Gal Drum for Oil/Water Pour-Out
 1 x 55 Gal Drum for Good Oil Pour Out
 (These two may fit into 1 Drum but it would be Oil/Water)

3 Non-Haz cubic yard Boxes for everything else provided
 everything above can be packaged together.

Aqueous Non-Haz Liquids (appx. 50 Gals Total)

Boiler Treatment: 2 x 5 Gal
 Anti-Freeze: 2 x 5 Gal, 1 x Gal
 Anti-Microbial Agent: 5 x Qt
 Anti-Splatter Spray(Glycol): 6 x 5 Gal

I would bulk this into 1 x 55 Gal Drum and call it a Glycol(Anti-Freeze) Product

Paint Related Material

28 x 5 Gal, 61 x Gal

Require at least 2 Haz Cubic Yard Boxes
 (Solidification of some unshippable open containers will be required.)

I would order an extra cubic yard box of each type since we were not able to get to all items and a lot of debris and misshaped containers may end up being put in boxes. Also, listed quantities do not include smaller items.

LAB PACKS

Acids: 1 x 55 Gal Poly and 1 x 30 Gal Poly
Alkaline Liquids: 1 x 30 Gal Poly Pour out and 1 30/55 Gal Lab Pack
(All items may not be able to be poured because some may be frozen)

Toxic Liquid(Chlorinated): 1 x 15 Gal
Corrosive Solid(Inorganic): 1 x 30 Gal
Corrosive Organic(Amines): 1 x 5/15 Gal (Possible category) I will try to avoid this category by placing these 1 or 2 items in paint related material box.

Zinc Dust: I have 4 x 75 lb cans (5 gal size) that should fit into a 55 gal drum

Note: Since it seems that they had used zinc dust you may want to check your plant drums of fine gray powder to see if they also are zinc when you do future analytical on the gray metal dust.

Flammable Solid(Inorganic): I have 3 x 5 Gal pails and 2 x 30 gal wooden crates (open) that contain the same looking gray metal powder that were in plant drums also. At very least I would think this would have to be shipped as a Flammable Solid.

This powder would have to be transferred into a 55 gal Drum and added to plant drums.

Drum Number	Container	Name/Description	Full?	Notes
Main Plant				
#1	17E	Oil/Water	< 1/4 Full	
#2	17E	20 Way Oil	Full	
#3	17E	Hydraulic Oil	Full	
#4	17E	"Mobil" thin oil (?)	Full	Light okay- confirmed
#5	17H	Debris Pads ****		
#6		"Mobil DTE oil"	Full	
#7	55 CH Poly	55 CH Poly- pH13 Alkaline like (cleaner)	1/2 Full	
#8	17E	"Hydraulic Oil"	Full	
#9	17E	"Hydraulic Oil"	Full	
#10	17E	"Oil and Water"	Full	
#11	17H	"Flux" (its oil)(not flux)	Full	
#12	17E	DTE 24 Oil	1/4 Full	
#13	17E	Hydraulic Oil	Empty	
#14		25 Fiber (Speedy-Dri)	1/2 Full	
#15	17E	"Kutwell 40" (cutting oil)	1/3 Full	Confirmed Oil

#16	17E	"30 Way Oil"	Full	
#17	17E	"Hydraulic Oil"	Full	
#18	17E	"Hydraulic Oil"	Full	
Machine Shop Basement				
#19	17E	"Protectway 32"(Sealed)	Full	
#20	17E	"Protectway 32"(Sealed)	Full	
#21	17E	"DTE Oil"	Full	Confirmed Oil
#22	17E	"DTE Oil BB"	Full	Confirmed Oil
#23	17E	"Shell Vitrea 22" (Sealed)	Full	
#24	17E	"Tectyl 930"	Full	Danger Chemical C Confirmed Oil-not tectyl product
#25	17E	"DTE Oil HH" (Sealed)	Full	
#26	17E	"Mobilecut 182"	Full	Confirmed Oil
#27	17E	"20 Way Oil-Used Oil"	Full	Confirmed Oil
#28	17E	"Protectway 32"	Full	Confirmed Oil
#29	17E	"Protectway 32"	Full	Confirmed Oil
#30	17E	"Mobile DTE Oil Extra Heavy"	Full	Confirmed Oil
#31	17E	"30 Way Oil"	Full	Confirmed Oil
#32	17E	"20 Way Oil-Used Oil"	Full	Confirmed Oil
#33	17E	"Langeled Safety Solvent"		***** Flammable liquid- ***** point 120 yards
#34	17E	"Zurnoil"		Same as #33 Flammable liquid- ***** point 120 yards
#35	17E	"30 Way Oil"		
#36	17E	"30 Way Oil"		
#37	17E	"Fenso 51"		
#38	17E			
#39	17E	"Tectyl 930" Sealed		See Previous
#40	17E	"DTE Oil Heavy" Sealed		*****

#41	17E	"Mobile Fluid 424" Sealed		
#42	17E	"DTE Oil Heavy" Sealed		
#43	17E	"DTE Oil Heavy" Sealed		
#44	17E			
#45	17E			
#46	17E			
#47	17E			
#48	17E			
#49	17E			
Exterior Main Plant Driveway				
#50	17E	"Extra Heavy Duty SAE 40 open to *****	1/2 Full	Confirmed Oil- Ice check on bottom
#51	17E	(Unknown) viscous oil	1/2 Full	
#52	20 OH	Grease Drum- Lithium Grease		Not Opened
Exterior Back - Overhang Cell				
#53	17E	Trace "Therm-seal Aside" (Probably a Polyol or Resin)	<1/2 Full	RCRA Empty
#54	17E	Trace "Foam-Lok Part B Resin"	<1/2 Full	RCRA Empty
#55	17H	Rags- No Lid/Ring	1/2 Full	
#56	17H	Water, Speedi-Dri Pads ***** NoLid/Ring	Full	
#57	17H	Sand B***** or Metal Polishing - GRIT		
#58	17H	Looks like metal tailings	Full	
#59	17H	mostly dirt but maybe more metal tailings or grit		
#60	55CH	Poly-Caustic **** - Partially *****	1/2 Full	
#61	30 Gal CH			A sludge ***** Viscous liquid like- borderline flammable But no flammable warning on the label
#62	25 Gal OH	Grease and mostly machine ***** grit		
#63	25 Gal OH	Grease		
Main Plant- Superior Back Open Area				
#64	17H	(On Side)- Solid Speedi-Dri and/or polishing grit		
#65	17H	(On Side)- Solid Metal Tailings and oily rags		
#66	17H	(On Side)- to heavy lift- labelled "flux" "garbage"		No samples- used *****
#67	17H	(On Side)- **** Hard Solid- polishing sand/powder		
#68	17H	(On Side)- Dirty/Oily Metal Tailings		
#69	17H	(On Side)- Very Heavy- drum is dust collection system		Material looks the same as #67
Some other materials from above may be from Dust Collection System assumed because of weigh metal dust				
#70	17H	Grease	2/3 Full	
#71	17H	No Label- 50% Dirty Water and over 50% Grease		
#72	17H	"Flux" - "Polishing Grit"		
#73	17H	"Flux" unable to open (assume same as above)		
#74	17E	"Flammable Paint' - now dried paint solids		FLAMMABLE
#75	17E	"Cutting Oil" - < 1" mostly water trace oil		OPEN to elements
#76	17E	"Hydraulic Oil"	1/5 Full	Water with trace oil- open to rain
#77	17E	(On Side)- cut open ***** "Oil"		Hole in side- dirty oily water
#78	17E	"Extra Heavy Duty Oil"	1/5 Full	Oil and water- open to rain
#79	17E	"Extra Heavy Duty Oil"	1/4 Full	Mostly water trace of oil- Open to rain
#80	17E	"Extra Heavy Duty Oil"	3/4 Full	Water and Oil with ice block

#81	17H	"Speedi-Dri and Oil" or "**** Cutting"		Confirmed Speedi-Dri/Oil and Metal Parts
#82	17E	"Pump"- "Hydraulic Oil"	1/4 Full	Mostly water trace oil- Open to rain
#83	17E	"Pump"- "Hydraulic Oil"	Empty	Mostly water trace oil- open to rain
#84	17E	"Pump" - "Hydraulic Oil"	1/2 Full	Mostly water trace oil- open to rain
#85	17E	"Pump" "Extra Heavy Duty Oil"	< 1/5 Full	Water/Oil/Ice Block - open to rain
#86	17E	No Label		
#87	17E	No Sample- Drum layer in oil	1/5 Full	On Side- assume oil-water, light oil, very light *****
#88	17H	"Oil Pump 35% water and 65% sludge (grease)"	Full	

Power House Exterior

#89	20 Poly	"ACET 535" Sodium Hexametaphosphate	Empty	Trace aqueous
#90	17E	No label	almost empty	Oil trace
#91	17E	"Pump"	1/4 Full	Water
#92	17E	"Hydraulic Oil"	1/2 Full	Oil
#93	17H	"Pump" Oil Drum	Full	40% Water and 60% Polishing Gas Solids
#94	17E	"Pump" Oil Drum	< 1/5 Full	Oil cont'd with water
#95	17E	"50 Way Oil"	Empty	
#96	17H	"Pump"	Full	Water with < 5% oil on top
#97	17H	"Speedi-Dri and Oil"	1/4 Full	Speedi-Dri and Oil - oil *****
#98	17E	"Hydraulic Oil"	< 1/5 Full	Oil and water
#99	17E	"30 Way Oil"	1/2 Full	Oil and Water- mostly water- open to rain
#100	17H	"Oil and Water"	< 2 Gallons	Oil and Water
#101	17E	"Hydraulic Oil"		Mostly water trace oil- open to rain
#102	17E	No Label	almost empty	mostly water cont'd with oil- open to rain
#103	17E	"Hydraulic Oil"	almost empty	most water cont'd with oil
#104	17E	"Mobilmet Omega Cutting Oil"	1/4 Full	mostly water, little bit of sludge- open to rain
#105	17E	"50 Way Oil" "Oil and Water"	<1/5 Full	Mostly dirt/oil trace water
#106	17E	"Heavy Duty Oil" - Pump	almost empty	Mostly dirt/oil trace water
#107	17E	"Pump"	1/4 Full	Mostly dirt/oil trace water
#108	17E	"30 Way Oil"	full	Mostly water with block of ice and trace oil
#109	17E	"Oil and Water"	< 1/5 Full	Mostly oil cont'd with water
#110	15 G. Fiber	"ACET Chem-OH-C"	empty	Sodium sulfate/cobalt chloride 0.195
#111	20 G. CH Poly	"ACET 282 Steam Line Return Treatment"	1/2 Full	mostly water, emulsified oil ontop

Power House Interior

#111	20 G. CH Poly	"ACET 282 Steam Line Return Treatment"	1/2 Full	mostly water oil ontop (1.2")
#112	40 G. Poly (OPSU)	No Label- white salt, some kind of crystalline salt		Boiler treatment- pH7 like calcium chloride
#113	30 G. CH Poly	No Label- grease and oil floating ontop of water		
#114	35 G. OH Metal	"Safety ***** 3391" sealed drum ****		Fuel blendable High BTU's- Absorbant
#115	17E	"Extra Heavy Duty SAE 40"	1/4 Full	Oil

Paint Shop

#116	17E	"Scrap Paint" (drum on side)	Full	Flammable paint- no sample
#117	17H	(Drum on side)- Paint Solids- Dried was flammable paint		
#118	17E	(Drum on side) No Label ***** on floor		Flammable *****/solid
#119	17H	(Drum on side) No label- dried paint		Had been flammable
#120	17H	No Top, looks like abrasives- grit and garbage		

#121	17H	No Top, abrasives- grit and garbage	< 1/4 full	
#122	17E	"30 Way Oil"	Full	Confirmed Oil
#123	17H	No Lid-looks like metal dust from dust collection system	3/4 Full	
#124	17E	"Tectyl 506"	2/3 Full	wax like, but flammable contains petroleum distillates *****
#125	17E	"Laquer Thinner"	< 10 Gallons	Confirmed- very flammable may contain MEK, contains water, propylene glycol methyl ether
#126	17E Poly	"Starspray"	empty	
#127	17E	No Lid- Metal Dust	Full	
#128	17E	"Tectyl 506" Sealed Drum (see #124)	Full	
#129	17E	"Scrap Oil"		Confirmed
#130	30G. Poly	Some type of dry absorbant	Full	*****

First Floor Main Building

#131	55 G.	Grey Trash Dum: garbage but lots of oil	1/2 Full	
#132	55 G.	Cut Open Top- 21" grease/sludge		

Mack Building

#134	17H	"Sand Based Hopper"		Looks like that grey dust that we have seen before- too fine to be sand, very heavy
#135	17H	Blankets/Filter Cloth		

Appendix K
Fate and Transport Supporting Documents

FATE & TRANSPORT TABLES
TABLE 5, 6, 7, 8

Table 5
Benzene Fate & Transport Parameters

Parameter	Unit	Value	Source
C_o (Source Concentration)	mg/L	0.006	Highest concentration detected in groundwater
α_x (Longitudinal Dispersivity)	ft	50	Conservative, Half the distance to the stream
α_y (Transverse Dispersivity)	ft	5	$\alpha_x/10$
α_z (Vertical Dispersivity)	ft	0.0001	Conservative, no vertical dispersion (dilution) of source
λ (First-order decay constant)	days ⁻¹	0.000958	Ch. 250, Table 5, 0.35 divided by 365
S_w (Source Width)	ft	400	Conservative, Set to the distance between monitoring wells
S_D (Source Thickness)	ft	15	Conservative, Set to the saturated thickness of overburden
K (Hydraulic Conductivity)	ft/day	1.5	Geometric Average for Gravel & Silt Mixture
i (Hydraulic Gradient)	dim.	0.023	Highest observed gradient
n_e (effective porosity)	dec.	0.25	Conservative value for silt
ρ_b (dry bulk density)	g/cm ³	1.5	Conservative value for silt
K_{oc} (Sorption Coefficient)	cm ³ /g	58	Ch. 250, Table 5
f_{oc} (Fraction of Organic Carbon)	dim.	0.0025	Conservative value, less than default lower limit of 0.005

Table 6
Vinyl Chloride Fate & Transport Parameters

Parameter	Unit	Value	Source
C_o (Source Concentration)	mg/L	0.0045	Highest concentration detected in groundwater
α_x (Longitudinal Dispersivity)	ft	50	Conservative, Half the distance to the stream
α_y (Transverse Dispersivity)	ft	5	$\alpha_x/10$
α_z (Vertical Dispersivity)	ft	0.0001	Conservative, no vertical dispersion (dilution) of source
λ (First-order decay constant)	days ⁻¹	0.000247	Ch. 250, Table 5, 0.09 divided by 365
S_w (Source Width)	ft	400	Conservative, Set to the distance between monitoring wells
S_D (Source Thickness)	ft	15	Conservative, Set to the greatest saturated thickness of overburden
K (Hydraulic Conductivity)	ft/day	1.5	Geometric Average for Gravel & Silt Mixture
i (Hydraulic Gradient)	dim.	0.023	Highest observed gradient
n_e (effective porosity)	dec.	0.3	Conservative value for silt
ρ_b (dry bulk density)	g/cm ³	1.5	Conservative value for silt
K_{oc} (Sorption Coefficient)	cm ³ /g	10	Ch. 250, Table 5
f_{oc} (Fraction of Organic Carbon)	dim.	0.005	Conservative value, less than default lower limit of 0.005

Table 7
PENTOXSD Parameters

Parameter (Upgradient Node)	Unit	Value	Source
Stream Code	-	3420	Little Lehigh Creek
RMI (River Mile Index)	-	1.9	1.9 miles from confluence with Lehigh River
Elevation	ft	250	USGS topographic map; confirmed by gage elevation
Drainage Area	sq mi	97.8	Stream Stats Watershed Delineation
Slope	-	0.0021	USGS topographic map analysis
Q7-10	cfs	57.3	Stream Stats Analysis
Qh	cfs	-	Blank, calculated by Pentox
Reach Width	feet	50, 75, 100	Average Value is 50 feet
Reach Depth	feet	2	Estimated Value at low flow
Reach Velocity	feet	-	Blank, calculated by Pentox
Stream Hardness	mg/L	150	Lehigh Creek Analytical Data - USGS

Parameter (Downgradient Node)	Unit	Value	Source
Stream Code	-	3420	Little Lehigh Creek
RMI (River Mile Index)	-	1.9	1.9 miles from confluence with Lehigh River
Elevation	ft	250	USGS topographic map; confirmed by gage elevation
Drainage Area	sq mi	97.8	Stream Stats Watershed Delineation
Slope	-	0.0021	USGS topographic map analysis
Q7-10	cfs	57.3	Stream Stats Analysis
Qh	cfs	-	Blank, calculated by Pentox
Reach Width	feet	50, 75, 100	Average Value is 50 feet
Reach Depth	feet	2	Estimated Value at low flow
Reach Velocity	feet	-	Blank, calculated by Pentox
Stream Hardness	mg/L	150	Lehigh Creek Analytical Data - USGS

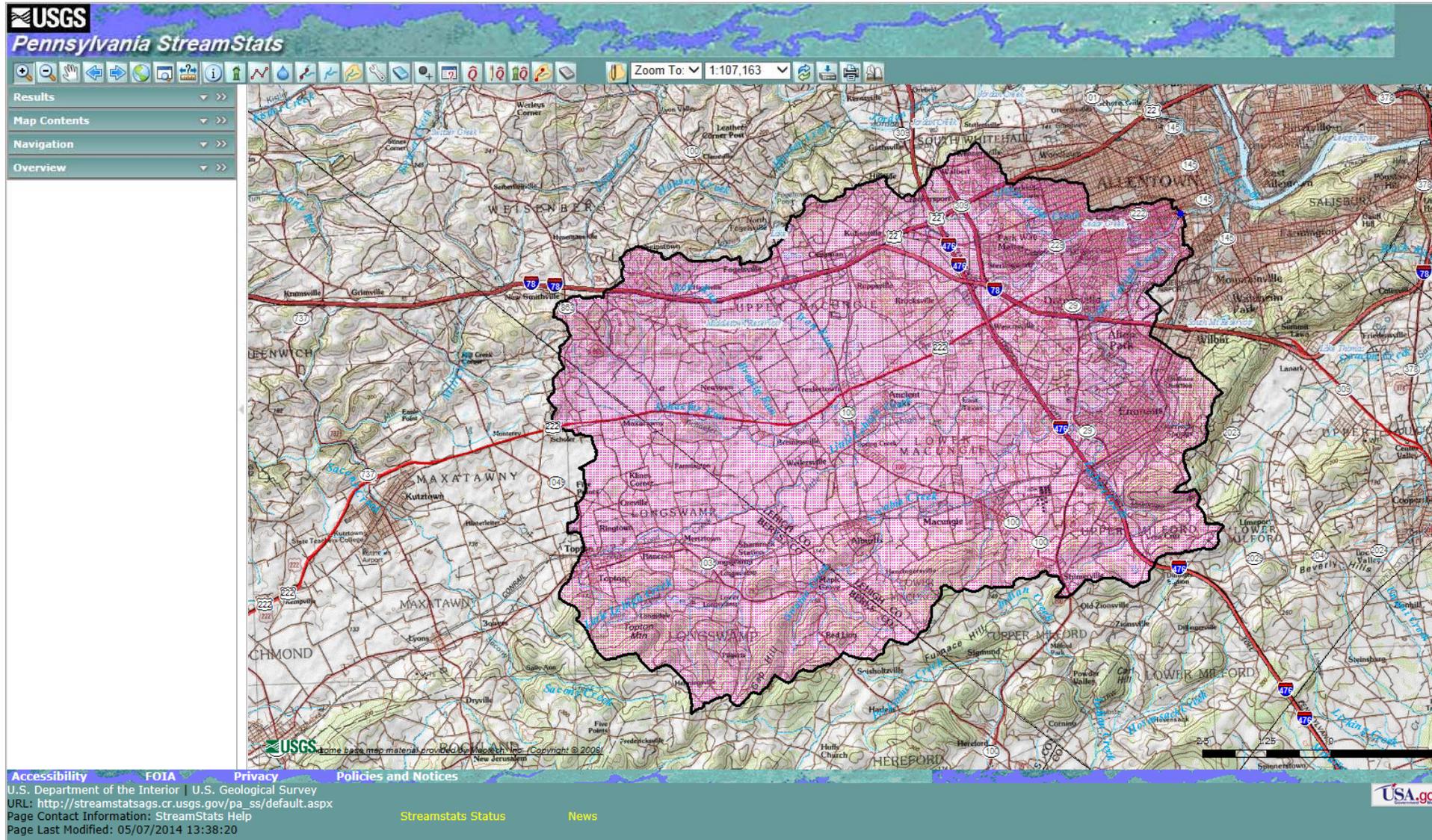
Table 8
PENTOXSD Results Summary

Run1	Parameter	Unit	Value
	Reach Width	feet	50
	Reach Depth	feet	2
	Discharge Concentration	ug/L	3.52
	Discharge Flux	MGD	0.0005
	Recommended Effluent Limit	ug/L	3.52
Run 2	Parameter	Unit	Value
	Reach Width	feet	75
	Reach Depth	feet	2
	Discharge Concentration	ug/L	3.52
	Discharge Flux	MGD	0.0005
	Recommended Effluent Limit	ug/L	3.52
Run 3	Parameter	Unit	Value
	Reach Width	feet	100
	Reach Depth	feet	2
	Discharge Concentration	ug/L	3.52
	Discharge Flux	MGD	0.0005
	Recommended Effluent Limit	ug/L	3.52
Run 4	Parameter	Unit	Value
	Reach Width	feet	50
	Reach Depth	feet	5
	Discharge Concentration	ug/L	3.52
	Discharge Flux	MGD	0.0005
	Recommended Effluent Limit	ug/L	3.52
Run 5	Parameter	Unit	Value
	Reach Width	feet	50
	Reach Depth	feet	2
	Discharge Concentration	ug/L	4.5
	Discharge Flux	MGD	0.005
	Recommended Effluent Limit	ug/L	4.5

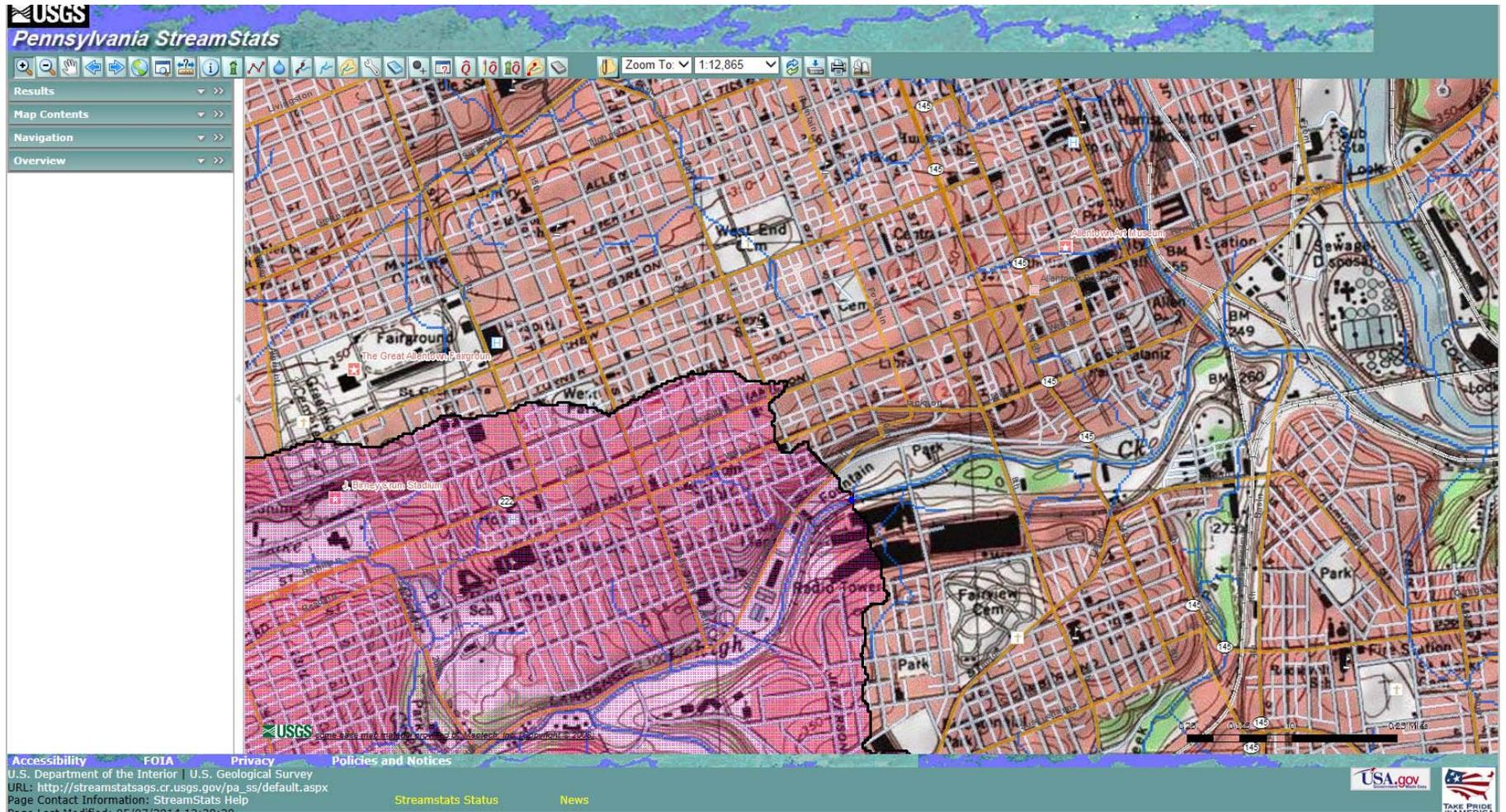
SWLOAD SPREADSHEETS

STREAMSTATS ANALYSIS
RMI 1.9 & RMI 0.8

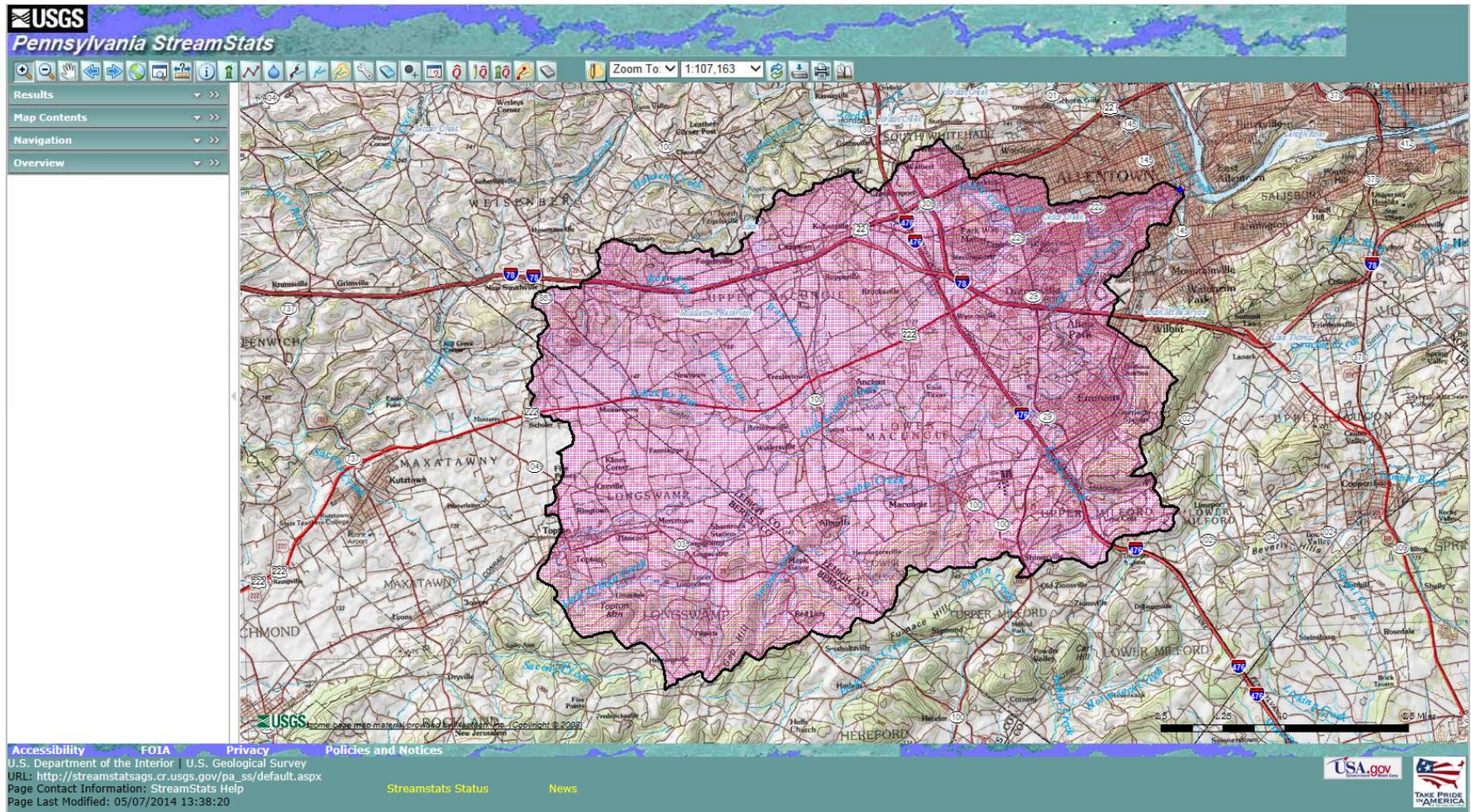
RMI 1.90 (UPGRADIENT NODE)



RMI 1.90 (UPGRADIENT NODE) CLOSE UP VIEW



RMI 0.8 (DOWNGRADIENT NODE)





Pennsylvania StreamStats

Streamstats Ungaged Site Report

Date: Wed May 7 2014 11:42:05 Mountain Daylight Time

Site Location: Pennsylvania

NAD27 Latitude: 40.5958 (40 35 45)

NAD27 Longitude: -75.4786 (-75 28 43)

NAD83 Latitude: 40.5959 (40 35 45)

NAD83 Longitude: -75.4782 (-75 28 42)

Drainage Area: 97.88 mi²

Percent Urban: 38.0 %

Percent Impervious: 11.0 %

Low Flow Basin Characteristics			
100% Low Flow Region 2 (97.9 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	97.9	4.93	1280
Mean Annual Precipitation (inches)	45.0	35	50.4
Stream Density (miles per square mile)	1.18	0.51	3.1
Depth to Rock (feet)	5.2	3.32	5.65
Percent Carbonate (percent)	70.0	0	99

Mean/Base-flow Basin Characteristics			
100% Statewide Mean and Base Flow (97.9 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area	97.9		
Mean Basin Elevation			
Mean Annual Precipitation	45.0		
Percent Carbonate	70.0		
Percent Forest			
Percent Urban			

Peak Flow Basin Characteristics			
100% Peak Flow Region 1 (97.9 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area	97.9		
Mean Basin Elevation			
Percent Carbonate	70.0		
Percent Urban			
Percent Storage			

Low Flow Streamflow Statistics					
Statistic	Flow (ft ³ /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
M7D2Y	73	38			
M30D2Y	76.4	33			
M7D10Y	57.3	51			
M30D10Y	59.1	46			
M90D10Y	59.3	36			



Pennsylvania StreamStats

Streamstats Ungaged Site Report

Date: Wed May 7 2014 11:48:16 Mountain Daylight Time

Site Location: Pennsylvania

NAD27 Latitude: 40.6006 (40 36 02)

NAD27 Longitude: -75.4622 (-75 27 44)

NAD83 Latitude: 40.6007 (40 36 03)

NAD83 Longitude: -75.4618 (-75 27 43)

Drainage Area: 98.53 mi²

Percent Urban: 39.0 %

Percent Impervious: 11.0 %

Low Flow Basin Characteristics			
100% Low Flow Region 2 (98.5 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	98.5	4.93	1280
Mean Annual Precipitation (inches)	45.0	35	50.4
Stream Density (miles per square mile)	1.18	0.51	3.1
Depth to Rock (feet)	5.2	3.32	5.65
Percent Carbonate (percent)	70.0	0	99

Mean/Base-flow Basin Characteristics			
100% Statewide Mean and Base Flow (98.5 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area	98.5		
Mean Basin Elevation			
Mean Annual Precipitation	45.0		
Percent Carbonate	70.0		
Percent Forest			
Percent Urban			

Peak Flow Basin Characteristics			
100% Peak Flow Region 1 (98.5 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area	98.5		
Mean Basin Elevation			
Percent Carbonate	70.0		
Percent Urban			
Percent Storage			

Low Flow Streamflow Statistics					
Statistic	Flow (ft ³ /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
M7D2Y	73.5	38			
M30D2Y	76.9	33			
M7D10Y	57.8	51			
M30D10Y	59.6	46			
M90D10Y	59.7	36			

PENTOXSD-RUN 1

PENTOXSD

Modeling Input Data

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	1.90	250.00	97.80	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

LFY	Trib Flow	Stream Flow	WD Ratio	Rch Width	Rch Depth	Rch Velocity	Rch Trav Time	Tributary		Stream		Analysis		
								Hard	pH	Hard	pH	Hard	pH	
(cfsm)	(cfs)	(cfs)		(ft)	(ft)	(fps)	(days)	(mg/L)		(mg/L)		(mg/L)		
Q7-10	0.1	0	57.3	0	50	2	0	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow	Permitted Disc Flow	Design Disc Flow	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard	Disc pH
		(mgd)	(mgd)	(mgd)						(mg/L)	
MW-6	000	0.0005	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc	Trib Conc	Disc Daily CV	Disc Hourly CV	Stream Conc	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc
	(µg/L)	(µg/L)			(µg/L)					(µg/L)
BENZENE	1.7	0	0.5	0.5	0	0	0	0	1	1.7
VINYL CHLORIDE	3.52	0	0.5	0.5	0	0	0	0	1	3.52

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	0.80	241.00	98.50	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

LFY	Trib Flow (cfs)	Stream Flow (cfs)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Rch Velocity (fps)	Rch Trav Time (days)	Tributary		Stream		Analysis	
								Hard (mg/L)	pH	Hard (mg/L)	pH	Hard (mg/L)	pH
Q7-10	0.1	0	57.8	0	50	2	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
Conf JRDCRK		0	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
BENZENE	0	0	0.5	0.5	0	0	0	0	1	0
VINYL CHLORIDE	0	0	0.5	0.5	0	0	0	0	1	0

PENTOXSD Analysis Results

Hydrodynamics

<u>SWP Basin</u>		<u>Stream Code:</u>		<u>Stream Name:</u>								
02C		3420		LITTLE LEHIGH CREEK								
RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Flow (cfs)	Reach Slope	Depth (ft)	Width (ft)	WD Ratio	Velocity (fps)	Reach Trav Time (days)	CMT (min)	
Q7-10 Hydrodynamics												
1.900	57.3	0	57.3	0.00077	0.0021	2	50	25	0.5730	0.1173	26.436	
0.800	57.8	0	57.8	NA	0	0	0	0	0	0	NA	
Qh Hydrodynamics												
1.900	255.63	0	255.63	0.00077	0.0021	3.8618	50	12.947	1.3239	0.0508	9.853	
0.800	257.58	0	257.58	NA	0	0	0	0	0	0	NA	

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number							
1.90	MW-6	000							
AFC									
Q7-10:	CCT (min)	15	PMF	0.753	Analysis pH	7	Analysis Hardness	149.999	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
CFC									
Q7-10:	CCT (min)	26.436	PMF	1	Analysis pH	7	Analysis Hardness	149.999	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
THH									
Q7-10:	CCT (min)	26.436	PMF	NA	Analysis pH	NA	Analysis Hardness	NA	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
CRL									
Qh:	CCT (min)	9.853	PMF	1					
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	0.025	0.025	8262.224

PENTOXSD Analysis Results

Recommended Effluent Limitations

<u>SWP Basin</u>	<u>Stream Code:</u>	<u>Stream Name:</u>			
02C	3420	LITTLE LEHIGH CREEK			
RMI	Name	Permit Number	Disc Flow (mgd)		
1.90	MW-6	000	0.0005		
Parameter	Effluent Limit (µg/L)	Governing Criterion	Max. Daily Limit (µg/L)	Most Stringent	
				WQBEL (µg/L)	WQBEL Criterion
VINYL CHLORIDE	3.52	INPUT	3.52	8262.224	CRL

PENTOXSD-RUN 2

PENTOXSD

Modeling Input Data

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	1.90	250.00	97.80	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

	LFY	Trib Flow	Stream Flow	WD Ratio	Rch Width	Rch Depth	Rch Velocity	Rch Trav Time	Tributary		Stream		Analysis	
									Hard	pH	Hard	pH	Hard	pH
	(cfsm)	(cfs)	(cfs)		(ft)	(ft)	(fps)	(days)	(mg/L)		(mg/L)		(mg/L)	
Q7-10	0.1	0	57.3	0	75	2	0	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow	Permitted Disc Flow	Design Disc Flow	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard	Disc pH
		(mgd)	(mgd)	(mgd)						(mg/L)	
MW-6	000	0.0005	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc	Trib Conc	Disc Daily CV	Disc Hourly CV	Stream Conc	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc
	(µg/L)	(µg/L)			(µg/L)					(µg/L)
BENZENE	1.7	0	0.5	0.5	0	0	0	0	1	1.7
VINYL CHLORIDE	3.52	0	0.5	0.5	0	0	0	0	1	3.52

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	0.80	241.00	98.50	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

LFY	Trib Flow (cfs)	Stream Flow (cfs)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Rch Velocity (fps)	Rch Trav Time (days)	Tributary		Stream		Analysis		
								Hard (mg/L)	pH	Hard (mg/L)	pH	Hard (mg/L)	pH	
Q7-10	0.1	0	57.8	0	75	2	0	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
Conf JRDCRK		0	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
BENZENE	0	0	0.5	0.5	0	0	0	0	1	0
VINYL CHLORIDE	0	0	0.5	0.5	0	0	0	0	1	0

PENTOXSD Analysis Results

Hydrodynamics

<u>SWP Basin</u>		<u>Stream Code:</u>			<u>Stream Name:</u>						
02C		3420			LITTLE LEHIGH CREEK						
RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope	Depth (ft)	Width (ft)	WD Ratio	Velocity (fps)	Reach Trav Time (days)	CMT (min)
Q7-10 Hydrodynamics											
1.900	57.3	0	57.3	0.00077	0.0021	2	75	37.5	0.3820	0.176	59.481
0.800	57.8	0	57.8	NA	0	0	0	0	0	0	NA
Qh Hydrodynamics											
1.900	255.63	0	255.63	0.00077	0.0021	3.8618	75	19.421	0.8826	0.0762	22.169
0.800	257.58	0	257.58	NA	0	0	0	0	0	0	NA

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number							
1.90	MW-6	000							
AFC									
Q7-10:	CCT (min)	15	PMF	0.502	Analysis pH	7	Analysis Hardness	149.998	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
CFC									
Q7-10:	CCT (min)	59.481	PMF	1	Analysis pH	7	Analysis Hardness	149.999	
	Parameter		Stream Conc. (µg/L)	Stream CV	Trib Conc. (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
THH									
Q7-10:	CCT (min)	59.481	PMF	NA	Analysis pH	NA	Analysis Hardness	NA	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
CRL									
Qh:	CCT (min)	22.169	PMF	1					
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	0.025	0.025	8262.224

PENTOXSD Analysis Results

Recommended Effluent Limitations

<u>SWP Basin</u>	<u>Stream Code:</u>	<u>Stream Name:</u>			
02C	3420	LITTLE LEHIGH CREEK			
RMI	Name	Permit Number	Disc Flow (mgd)		
1.90	MW-6	000	0.0005		
Parameter	Effluent Limit (µg/L)	Governing Criterion	Max. Daily Limit (µg/L)	Most Stringent	
VINYL CHLORIDE	3.52	INPUT	3.52	WQBEL (µg/L)	WQBEL Criterion
				8262.224	CRL

PENTOXSD-RUN 3

PENTOXSD

Modeling Input Data

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	1.90	250.00	97.80	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

LFY	Trib Flow	Stream Flow	WD Ratio	Rch Width	Rch Depth	Rch Velocity	Rch Trav Time	Tributary		Stream		Analysis		
	(cfs)	(cfs)		(ft)	(ft)	(fps)	(days)	Hard	pH	Hard	pH	Hard	pH	
Q7-10	0.1	0	57.3	0	100	2	0	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow	Permitted Disc Flow	Design Disc Flow	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard	Disc pH
MW-6	000	0.0005	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc	Trib Conc	Disc Daily CV	Disc Hourly CV	Steam Conc	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc
BENZENE	1.7	0	0.5	0.5	0	0	0	0	1	1.7
VINYL CHLORIDE	3.52	0	0.5	0.5	0	0	0	0	1	3.52

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	0.80	241.00	98.50	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

LFY	Trib Flow (cfs)	Stream Flow (cfs)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Rch Velocity (fps)	Rch Trav Time (days)	Tributary		Stream		Analysis	
								Hard (mg/L)	pH	Hard (mg/L)	pH	Hard (mg/L)	pH
Q7-10	0.1	0	57.8	0	100	2	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	100	7	0	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
Conf JRDCRK		0	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
BENZENE	0	0	0.5	0.5	0	0	0	0	1	0
VINYL CHLORIDE	0	0	0.5	0.5	0	0	0	0	1	0

PENTOXSD Analysis Results

Hydrodynamics

<u>SWP Basin</u>			<u>Stream Code:</u>		<u>Stream Name:</u>						
02C			3420		LITTLE LEHIGH CREEK						
RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope	Depth (ft)	Width (ft)	WD Ratio	Velocity (fps)	Reach Trav Time (days)	CMT (min)

Q7-10 Hydrodynamics

1.900	57.3	0	57.3	0.00077	0.0021	2	100	50	0.2865	0.2346	105.745
0.800	57.8	0	57.8	NA	0	0	0	0	0	0	NA

Qh Hydrodynamics

1.900	255.63	0	255.63	0.00077	0.0021	3.8618	100	25.895	0.662	0.1016	39.412
0.800	257.58	0	257.58	NA	0	0	0	0	0	0	NA

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number							
1.90	MW-6	000							
AFC									
Q7-10:	CCT (min)	15	PMF	0.376	Analysis pH	7	Analysis Hardness	149.998	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
CFC									
Q7-10:	CCT (min)	105.745	PMF	1	Analysis pH	7	Analysis Hardness	149.999	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
THH									
Q7-10:	CCT (min)	105.745	PMF	NA	Analysis pH	NA	Analysis Hardness	NA	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
CRL									
Qh:	CCT (min)	39.412	PMF	1					
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	0.025	0.025	8262.224

PENTOXSD Analysis Results

Recommended Effluent Limitations

<u>SWP Basin</u>	<u>Stream Code:</u>	<u>Stream Name:</u>			
02C	3420	LITTLE LEHIGH CREEK			
RMI	Name	Permit Number	Disc Flow (mgd)		
1.90	MW-6	000	0.0005		
Parameter	Effluent Limit (µg/L)	Governing Criterion	Max. Daily Limit (µg/L)	Most Stringent	
VINYL CHLORIDE	3.52	INPUT	3.52	WQBEL (µg/L) 8262.224	WQBEL Criterion CRL

PENTOXSD-RUN 4

PENTOXSD

Modeling Input Data

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	1.90	250.00	97.80	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data														
LFY	Trib Flow	Stream Flow	WD Ratio	Rch Width	Rch Depth	Rch Velocity	Rch Trav Time	Tributary		Stream		Analysis		
(cfsm)	(cfs)	(cfs)		(ft)	(ft)	(fps)	(days)	Hard	pH	Hard	pH	Hard	pH	
Q7-10	0.1	0	57.3	0	50	5	0	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	0	100	7	0	0	0

Discharge Data												
Name	Permit Number	Existing Disc Flow	Permitted Disc Flow	Design Disc Flow	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard	Disc pH	
		(mgd)	(mgd)	(mgd)						(mg/L)		
MW-6	000	0.0005	0	0	0	0	0	0	0	100	7	

Parameter Data											
Parameter Name	Disc Conc	Trib Conc	Disc Daily CV	Disc Hourly CV	Steam Conc	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc	
	(µg/L)	(µg/L)			(µg/L)					(µg/L)	
BENZENE	1.7	0	0.5	0.5	0	0	0	0	1	1.7	
VINYL CHLORIDE	3.52	0	0.5	0.5	0	0	0	0	1	3.52	

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	0.80	241.00	98.50	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

LFY	Trib Flow (cfs)	Stream Flow (cfs)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Rch Velocity (fps)	Rch Trav Time (days)	Tributary		Stream		Analysis	
								Hard (mg/L)	pH	Hard (mg/L)	pH	Hard (mg/L)	pH
Q7-10	0.1	0	57.8	0	50	5	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
Conf JRDCRK		0	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
BENZENE	0	0	0.5	0.5	0	0	0	0	1	0
VINYL CHLORIDE	0	0	0.5	0.5	0	0	0	0	1	0

PENTOXSD Analysis Results

Hydrodynamics

<u>SWP Basin</u>		<u>Stream Code:</u>			<u>Stream Name:</u>						
02C		3420			LITTLE LEHIGH CREEK						
RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope	Depth (ft)	Width (ft)	WD Ratio	Velocity (fps)	Reach Trav Time (days)	CMT (min)
Q7-10 Hydrodynamics											
1.900	57.3	0	57.3	0.00077	0.0021	5	50	10	0.2292	0.2933	6.687
0.800	57.8	0	57.8	NA	0	0	0	0	0	0	NA
Qh Hydrodynamics											
1.900	255.63	0	255.63	0.00077	0.0021	9.6545	50	5.1789	0.5296	0.1269	2.492
0.800	257.58	0	257.58	NA	0	0	0	0	0	0	NA

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number							
1.90	MW-6	000							
AFC									
Q7-10:	CCT (min)	6.687	PMF	1	Analysis pH	7	Analysis Hardness	149.999	
	Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	
	VINYL CHLORIDE	0	0	0	0	NA	NA	NA	
CFC									
Q7-10:	CCT (min)	6.687	PMF	1	Analysis pH	7	Analysis Hardness	149.999	
	Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	
	VINYL CHLORIDE	0	0	0	0	NA	NA	NA	
THH									
Q7-10:	CCT (min)	6.687	PMF	NA	Analysis pH	NA	Analysis Hardness	NA	
	Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	
	VINYL CHLORIDE	0	0	0	0	NA	NA	NA	
CRL									
Qh:	CCT (min)	2.492	PMF	1					
	Parameter	Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)	
	VINYL CHLORIDE	0	0	0	0	0.025	0.025	8262.224	

PENTOXSD Analysis Results

Recommended Effluent Limitations

<u>SWP Basin</u>	<u>Stream Code:</u>	<u>Stream Name:</u>			
02C	3420	LITTLE LEHIGH CREEK			
RMI	Name	Permit Number	Disc Flow (mgd)		
1.90	MW-6	000	0.0005		
Parameter	Effluent Limit (µg/L)	Governing Criterion	Max. Daily Limit (µg/L)	Most Stringent	
VINYL CHLORIDE	3.52	INPUT	3.52	WQBEL (µg/L) 8262.224	WQBEL Criterion CRL

PENTOXSD-RUN 5

PENTOXSD

Modeling Input Data

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	1.90	250.00	97.80	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

LFY	Trib Flow (cfs)	Stream Flow (cfs)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Rch Velocity (fps)	Rch Trav Time (days)	Tributary		Stream		Analysis	
								Hard (mg/L)	pH	Hard (mg/L)	pH	Hard (mg/L)	pH
Q7-10	0.1	0	57.3	0	50	2	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
MW-6	000	0.005	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
BENZENE	1.7	0	0.5	0.5	0	0	0	0	1	1.7
VINYL CHLORIDE	4.5	0	0.5	0.5	0	0	0	0	1	4.5

Stream Code	RMI	Elevation (ft)	Drainage Area (sq mi)	Slope	PWS With (mgd)	Apply FC
3420	0.80	241.00	98.50	0.00210	0.00	<input checked="" type="checkbox"/>

Stream Data

LFY	Trib Flow (cfs)	Stream Flow (cfs)	WD Ratio	Rch Width (ft)	Rch Depth (ft)	Rch Velocity (fps)	Rch Trav Time (days)	Tributary		Stream		Analysis	
								Hard (mg/L)	pH	Hard (mg/L)	pH	Hard (mg/L)	pH
Q7-10	0.1	0	57.8	0	50	2	0	0	0	150	7	0	0
Qh		0	0	0	0	0	0	0	100	7	0	0	0

Discharge Data

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	AFC PMF	CFC PMF	THH PMF	CRL PMF	Disc Hard (mg/L)	Disc pH
Conf JRDCRK		0	0	0	0	0	0	0	0	100	7

Parameter Data

Parameter Name	Disc Conc (µg/L)	Trib Conc (µg/L)	Disc Daily CV	Disc Hourly CV	Steam Conc (µg/L)	Stream CV	Fate Coef	FOS	Crit Mod	Max Disc Conc (µg/L)
BENZENE	0	0	0.5	0.5	0	0	0	0	1	0
VINYL CHLORIDE	0	0	0.5	0.5	0	0	0	0	1	0

PENTOXSD Analysis Results

Hydrodynamics

<u>SWP Basin</u>		<u>Stream Code:</u>			<u>Stream Name:</u>						
02C		3420			LITTLE LEHIGH CREEK						
RMI	Stream Flow (cfs)	PWS With (cfs)	Net Stream Flow (cfs)	Disc Analysis Flow (cfs)	Reach Slope	Depth (ft)	Width (ft)	WD Ratio	Velocity (fps)	Reach Trav Time (days)	CMT (min)

Q7-10 Hydrodynamics

1.900	57.3	0	57.3	0.00773	0.0021	2	50	25	0.5731	0.1173	26.429
0.800	57.8	0	57.8	NA	0	0	0	0	0	0	NA

Qh Hydrodynamics

1.900	255.63	0	255.63	0.00773	0.0021	3.8617	50	12.948	1.324	0.0508	9.853
0.800	257.58	0	257.58	NA	0	0	0	0	0	0	NA

PENTOXSD Analysis Results

Wasteload Allocations

RMI	Name	Permit Number							
1.90	MW-6	000							
AFC									
Q7-10:	CCT (min)	15	PMF	0.753	Analysis pH	7	Analysis Hardness	149.991	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
CFC									
Q7-10:	CCT (min)	26.429	PMF	1	Analysis pH	7	Analysis Hardness	149.993	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
THH									
Q7-10:	CCT (min)	26.429	PMF	NA	Analysis pH	NA	Analysis Hardness	NA	
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	NA	NA	NA
CRL									
Qh:	CCT (min)	9.853	PMF	1					
	Parameter		Stream Conc (µg/L)	Stream CV	Trib Conc (µg/L)	Fate Coef	WQC (µg/L)	WQ Obj (µg/L)	WLA (µg/L)
	VINYL CHLORIDE		0	0	0	0	0.025	0.025	826.245

PENTOXSD Analysis Results

Recommended Effluent Limitations

<u>SWP Basin</u>	<u>Stream Code:</u>	<u>Stream Name:</u>			
02C	3420	LITTLE LEHIGH CREEK			
RMI	Name	Permit Number	Disc Flow (mgd)		
1.90	MW-6	000	0.0050		
Parameter	Effluent Limit (µg/L)	Governing Criterion	Max. Daily Limit (µg/L)	Most Stringent	
				WQBEL (µg/L)	WQBEL Criterion
VINYL CHLORIDE	4.5	INPUT	4.5	826.245	CRL