TASK 210:
SUBSURFACE SITE INVESTIGATION REPORT

Replacement of Bridge No. 2448
East Main Street Over Beaver Brook
Waterbury, Connecticut

ConnDOT Assignment No. 204-4420
ConnDOT Project No. 151-302

Prepared for:

State of Connecticut
Department of Transportation
Newington, Connecticut 06131

Prepared by:

Maguire Group Inc.
2080 Silas Deane Highway
Rocky Hill, Connecticut 06067

September 11, 2012

TABLE OF CONTENTS

Page Number

1.0 INTRODUCTION……1

2.0 SITE DESCRIPTION……3

2.1 Background……3

3.0 LOCAL ENVIRONMENT & RECEPTORS……4

3.1 Geology……4

3.2 Groundwater & Topography……4

4.0 SUBSURFACE INVESTIGATION……5

4.1 Geoprobe® Soil Borings & Soil Sample Analyses……5

4.2 Sediment Sample Collection & Analyses……5

4.3 Groundwater Sample Collection & Analyses……6

4.4 Project Quality Assurance/Quality Control Practices……6

5.0 DISCUSSION OF SAMPLE RESULTS……8

5.1 Regulatory Criteria……8

5.2 Results of Soil Sample Analyses……10

5.3 Results of Sediment Sample Analyses……14

5.4 Results of Groundwater Grab Sample Analyses……15

5.5 Quality Assurance/Quality Control Samples……16

5.6 Data Quality Assessment and Data Usability Evaluation (DQA/DUE)……17

6.0 DISCUSSION OF AFFECTED RESOURCES……18

6.1 Soil - Areas of Environmental Concern (AOEC's)……18

6.2 Sediment - Area of Environmental Concern (SED-AOEC's)……19

6.3 Groundwater - Area of Environmental Concern (GW-AOEC's)……19

6.4 Soil - Low-Level Areas of Environmental Concern (LLAOEC's)……20

7.0 RECOMMENDATIONS……21

8.0 LIMITATIONS……22

FIGURES

Figure 1 – Site Location Plan……2

Figure 2 – Subsurface Site Investigation Boring Location Plan

TABLES

Tables 1(a) and 1(c) – Results of Geoprobe® Boring Soil Sample Analyses

Table 2 – Results of Sediment Grab Sample Analyses

Table 3 – Results of Groundwater Grab Sample Analyses

Table 4 – Results of QA/QC Samples Analyses

APPENDICES

APPENDIX A – Boring Logs

APPENDIX B – Laboratory Reports

APPENDIX C – DQA & DUE Worksheets

1.0 INTRODUCTION

On behalf of the Connecticut Department of Transportation (ConnDOT), Maguire Group Inc. (MGI) has conducted a Task 210 – Subsurface Site Investigation Report in association with the Replacement of Bridge No. 2448, East Main Street Over Beaver Brook in Waterbury, Connecticut.

East Main Street extends in an east/west direction and contains a single travel lane in each direction. The East Main Street Bridge over the Beaver Brook is located approximately 100 feet west of the road's intersection with Midland Road. Based upon a review of the Design Plans by others, the project will involve the replacement of the East Main Street Bridge, the installation of a new pre-cast culvert to contain Beaver Brook, utility relocations, cut and fill activities, and drainage structure improvements. In addition, a partial property acquisition (strip take) is anticipated to accommodate a drainage right-of-way in the area to the south of the bridge.

This Task 210 was conducted in areas of anticipated construction activities for the proposed bridge replacement project. Figure 1 depicts the project area.

The purpose of this Task 210 – Subsurface Site Investigation Report (SSIR) is to verify the absence or presence and location of subsurface contamination, and to assess the potential pollutant impacts to be encountered during construction of the proposed improvements described above. It is anticipated that Task 310 Plans, Specifications and Estimate will subsequently be prepared to assess construction related activities (i.e. proper storage, classification, transport and disposal of contaminated materials), in relationship to the environmental conditions prevalent within the project limits, as well as to specify remedial work to be included in the Contract Bid Documents.

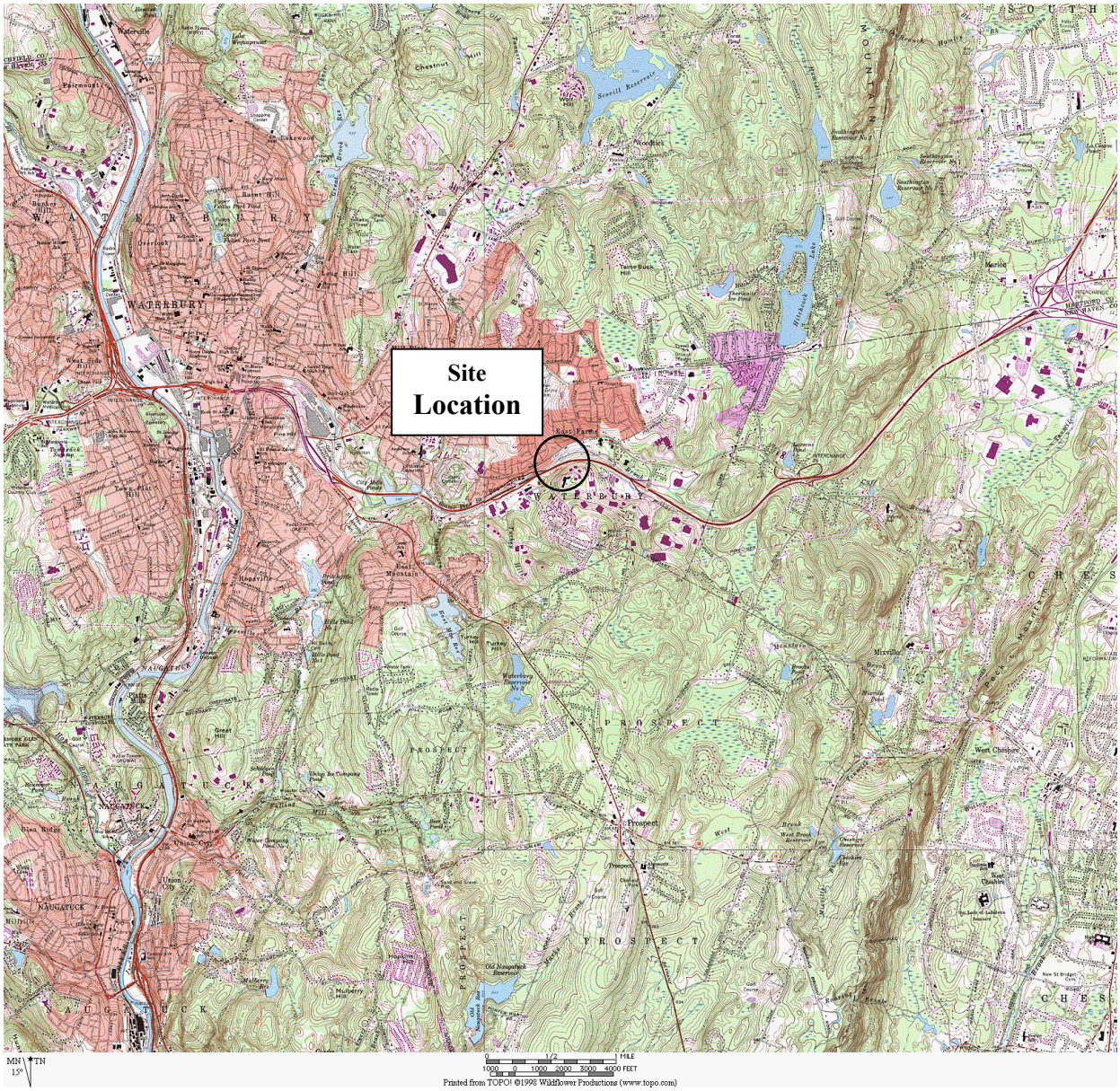

FIGURE 1 - SITE LOCATION PLAN

Replacement of Bridge No. 2448

East Main Street Over Beaver Brook

Waterbury, Connecticut

2.0 SITE DESCRIPTION

2.1 Background

ConnDOT is proposing the replacement of the East Main Street Bridge (No. 2448) over Beaver Brook in Waterbury, Connecticut. The limits of the project area extend from approximately 220 feet west of the intersection of East Main Street and Midland Road (Station 10+00), to approximately 20 feet west of the intersection with Midland Road (Station 12+00) for a total distance of approximately 200 feet. The land use within the project corridor consists of mixed residential, commercial, and vacant parcels. Former uses of parcels within the project corridor are not known.

This Task 210 was conducted in areas of anticipated construction activities for the proposed bridge replacement project. The site area and proposed sample locations are depicted on Figure 2 – Subsurface Site Investigation Boring Location Plan included at the end of this Report.

3.0 LOCAL ENVIRONMENT & RECEPTORS

3.1 Geology

According to the Bedrock Geological Map of Connecticut (1985), the project corridor is underlain by the Taine Mountain Formation. The Taine Mountain Formation is described as a gray, medium-grained, well-laminated granofels. The CTDEEP's GIS Data (updated to December 2010) indicate that the surficial materials at the site are classified as glacial ice-laid Till, which is described as a non-stratified, dense mixture of grain sizes ranging from clay to large boulders with a sand and silt matrix.

3.2 Groundwater & Topography

The Site is located within the Naugatuck Regional Basin, and the portion of Beaver Brook that crosses East Main Street is classified as a Class "A" surface water body by the CTDEEP. The Class "A" designation indicates that the surface water body is presumed to meet all designated uses, including potential drinking water supply.

The CTDEEP has designated the groundwater beneath the project corridor as "GA", indicating that groundwater is potentially within the area of influence of public and private water supply sources. The "GA" classification also indicates that the groundwater is presumed suitable for human consumption without the need for treatment. Based upon local topography, and the flow direction of Beaver Brook, the groundwater is presumed to flow in an east/southeast direction. Groundwater was encountered at nine (9) feet below ground surface in boring GP-8.

4.0 SUBSURFACE INVESTIGATION

Based upon the current commercial uses of the project corridor, a comprehensive sampling program was conducted. The following subsections detail the investigation.

4.1 Geoprobe® Soil Borings & Soil Sample Analyses

Twelve (12) borings were advanced to a depth of 8 feet or refusal within the project limits utilizing a Geoprobe® direct push unit. The Geoprobe® borings were advanced by Logical Environmental Solutions, LLC. under the direction of Maguire and laboratory analyses were conducted by Premier Laboratory, Inc. The Geoprobe® boring locations (GP-1 to GP-12) are depicted on the Subsurface Site Investigation Boring Location Plan (Figure 2) at the end of this Report.

Based upon field screening results and visual observations, one (1) soil sample was collected from each boring. The soil samples were placed in laboratory-supplied glassware, stored in an ice-filled cooler, and submitted to the laboratory in accordance with chain-of-custody procedures. All soil samples were analyzed for volatile organic compounds (VOCs) utilizing EPA Method 8260, semi-volatile organic compounds (SVOCs) utilizing EPA Method 8270, extractable total petroleum hydrocarbons utilizing the Connecticut ETPH method, and total and SPLP RCRA 8 metals. Soil samples from borings GP-7 through GP-12 were also analyzed for polychlorinated biphenyls (PCBs) utilizing EPA Method 8082.

All Geoprobe® soil borings were back-filled upon completion utilizing clean sand and/or hydrated bentonite. All down-hole sampling equipment was decontaminated in accordance with Maguire's May 21, 2012, Task 210 – Subsurface Site Investigation Report Work Plan.

4.2 Sediment Sample Collection & Analyses

Three (3) sediment grab samples (SED-1 through SED-3) were collected from Beaver Brook beneath and downstream of Bridge No. 2448. The sediment grab sample locations are depicted on Figure 2 at the end of this Report. The sediment samples were analyzed for VOCs (EPA

Method 8260), SVOCs (EPA Method 8270), petroleum hydrocarbons (Connecticut ETPH), PCBs (EPA Method 8082), total RCRA 8 metals, and SPLP RCRA 8 metals. The sediment samples were placed in laboratory-supplied glassware, and stored in an ice-filled cooler.

4.3 Groundwater Sample Collection & Analyses

One (1) groundwater grab sample was collected from boring GP-8. The groundwater grab sample was collected by inserting one-half inch diameter, schedule 40, 10-slot, PVC well screen and riser casing into the borehole approximately 4 feet into the observed water table depth. Dedicated polyethylene tubing was placed into the temporary well and the groundwater grab sample was drawn through the tubing using a low-flow peristaltic pump in accordance with the CTDEEP's Low Flow Sampling Procedures.

The groundwater sample was collected for laboratory analysis of VOCs (EPA Method 8260), SVOCs (EPA Method 8270), petroleum hydrocarbons (Connecticut ETPH), PCBs (EPA Method 8081A & 8082), and Total and Dissolved RCRA 8 metals. The groundwater sample collected for Dissolved RCRA metals was field filtered using a 0.3-µm membrane filter prior to acidification. The groundwater sample was placed in laboratory-supplied glassware, and stored in an ice-filled cooler.

4.4 Project Quality Assurance/Quality Control Practices

The CTDEEP's Quality Assurance and Quality Control (QA/QC) Guidance was used to ensure that the analytical results generated during the investigation are of known and appropriate quality. Specifically, the Laboratory Quality Assurance Control Reasonable Confidence Protocols (RCPs) were utilized for all laboratory analytical methods. The Laboratory Quality Assurance and Quality Control, Data Quality Assessment and Data Usability Evaluation (DQA/DUE) Guidance were utilized to ensure that the analytical data used is of a known and sufficient level of quality for the intended use. See Sections 5.5 and 5.6 of this report for a discussion of the QA/QC procedures and data usability evaluation.

To assess the collection of samples in the field in terms of the sampling techniques and decontamination procedures followed, quality control and quality assurance samples were analyzed. A trip blank (TB-1) was prepared by Phoenix Environmental Laboratories, Inc. and a field blank (FB-1) was collected in the field. The field blank was prepared by pouring laboratory supplied de-ionized water over decontaminated sampling equipment and collecting the resulting rinsate in appropriate sample containers. The trip and field blank samples were stored with the daily samples in the sample cooler until delivery to the laboratory for analysis. The field blank was analyzed for the same parameters specified for the daily samples and the trip blank was analyzed for VOCs.

All samples collected in the field were stored in a manner that preserved the integrity of the sample chemistry. Samples intended for organic analyses were stored in an ice-filled cooler until delivery to the laboratory. Chain-of-Custody (COC) forms were filled out and accompanied all samples collected as a legal record of possession of the sample. The COC was initiated in the field and accompanied the containers during sample collection, transportation to the lab, analysis, and final disposal of the sample. All sampling equipment was either dedicated to a specific sample or was decontaminated prior to and between each use. Sampling equipment was not placed near solvents, gasoline, or other materials that may have impacted the sample integrity.

5.0 DISCUSSION OF SAMPLE RESULTS

5.1 Regulatory Criteria

The CTDEEP adopted Remediation Standard Regulations (Regulations of Connecticut State Agencies, Section 22a-133k-1 to 3 and 22a-133q-1) as of January 31, 1996. The Remediation Standard Regulations (RSRs) apply to any site undergoing voluntary remediation under Public Acts 95-183 or 95-190, a transfer of an "establishment" under Public Act 95-183, or any site as ordered by the CTDEEP Commissioner. The Regulations also outline the processes for establishing alternative site-specific numerical standards for certain sites, upon approval by the CTDEEP.

The RSRs criteria applicable to the soil and groundwater sampled during this investigation are summarized below. The application of these RSRs to the results of the laboratory analyses from this investigation are discussed in subsection 5.2 of this section.

Soils Criteria: The RSRs are organized into two sets of criteria: the Direct Exposure Criteria (DEC) and the Pollutant Mobility Criteria (PMC). The DEC and PMC are briefly explained in the following sub-sections, in relation to how they would be applicable to the types of analyses conducted on the soil samples collected for this investigation. Please refer to the RSRs for a complete explanation of the Regulations.

Direct Exposure Criteria

The purpose of the Direct Exposure Criteria (DEC) is to protect human health from risks associated with the direct contact with or ingestion of various common soil contaminants. The DEC are applicable to soil within approximately fifteen (15) feet of the ground surface. Concentrations of contaminants are evaluated based upon mass-based analyses and different criteria are established for residential and industrial/commercial properties. The use of the less stringent commercial/industrial standards requires the placement of an environmental land use restriction on the property.

The DEC is not applicable to inaccessible soils, including soil more than four (4) feet below the ground surface, two (2) feet below pavement greater than three (3) inches thick, or below an existing building, provided that an Environmental Land Use Restriction (ELUR) is placed in effect for the property.

Pollutant Mobility Criteria

The purpose of the Pollutant Mobility Criteria (PMC) is to evaluate the potential for contaminants to leach from the soil in concentrations that may degrade groundwater quality. Different numerical criteria are established for GA and GAA groundwater areas, versus GB groundwater areas. Since the project borings were advanced in a GA groundwater area, the more stringent criteria apply for the site.

Groundwater Criteria: Contaminants in the groundwater are compared either to background quality or the Groundwater Protection Criteria (GWPC), the Volatilization Criteria (VC), as well as the Surface Water Protection Criteria (SWPC). However, ConnDOT has had numerous discussions with CTDEEP staff with regard to groundwater encountered during "Construction Projects" and the applicability of the RSRs to these situations. Based on the guidance provided by CTDEEP, groundwater samples collected for "Construction Projects" will be compared to the effluent limits for the ***"General Permit for the Discharge of Groundwater Remediation Wastewater Directly to Surface Water"*** (GP to Surface Water) and the ***"General Permit for the Discharge of Groundwater Remediation Wastewater Directly to Sanitary Sewer"*** (GP to Sanitary Sewer) to determine if Groundwater Areas of Environmental Concern (GW AOECs) exist within the project limits.

5.2 Results of Soil Sample Analyses

Soil samples collected during the advancement of Geoprobe® borings GP-1 to GP-12 were sent to Premier Laboratory Inc. for laboratory analyses. Summaries of the laboratory results from the Geoprobe® boring soil samples are presented in Tables 1(a) to 1(c), which are located at the end of this report, and copies of the soil sample analytical results are included in Appendix B. The following summarizes the results of the analyses conducted on the soil samples.

The results of the laboratory analyses indicated the presence of extractable total petroleum hydrocarbons (ETPH) at concentrations above analytical detection limits in all the soil samples collected from borings GP-1 to GP-12. ETPH was detected in soil samples GP-1 (0'-2'), GP-5 (2'-4'), GP-8 (2'-4'), GP-10 (0'-2'), and GP-11 (0'-2') at concentrations of 500 mg/kg, 700 mg/kg, 710 mg/kg, 890 mg/kg, and 720 mg/kg, respectively which meet or exceed both the GA PMC and RDEC of 500 mg/kg but are below the I/C-DEC of 2,500 mg/kg. No other detected concentrations of ETPH were present at concentrations exceeding the applicable CTDEEP RSR criteria.

Volatile organic compounds (VOCs) were detected above analytical detection limits in soil samples collected from borings GP-5, GP-6, GP-8, GP-10, GP-11, and GP-12. Naphthalene was detected in soil samples GP-5 (2'-4'), GP-6 (0'-2'), GP-10 (0'-2'), GP-11 (0'-2'), and GP-12 (0'-2') at concentrations of 0.12 mg/kg, 0.013 mg/kg, 0.048 mg/kg, 0.0096 mg/kg, and 0.0064 mg/kg, respectively, which are below the applicable CTDEEP RSR criteria. Acetone was detected in soil sample GP-8 (2'-4') at concentration of 0.74 mg/kg, which is below the GA PMC of 14 mg/kg, the RDEC of 500 mg/kg and the I/C-DEC of 1,000 mg/kg. No other VOCs were detected in the soil samples at concentrations above analytical detection limits (ND).

Polychlorinated biphenyls (PCBs) were not detected in the soil samples collected from borings GP-7 to GP-12 at concentrations above analytical detection limits (ND).

Semi-volatile organic compounds (SVOCs) were detected above analytical detection limits in soil samples collected from borings GP-1 to GP-11. Various SVOCs were present in soil samples GP-1 (0'-2'), GP-2 (0'-2'), GP-4 (2'-4'), GP-5 (2'-4'), GP-6 (0'-'2), GP-8 (2'-4'), GP-9 (2'-4'), GP-10 (0'-2'), and GP-11 (0'-2') at concentrations exceeding the applicable CTDEEP RSR criteria.

Benzo(a)anthracene (1.4 mg/kg), benzo(b)pyrene (1.5 mg/kg), benzo(b)fluoranthene (2.3 mg/kg), and chrysene (1.8 mg/kg) were detected in soil sample GP-1 (0'-2') at concentrations exceeding the applicable GA PMC. The concentrations of benzo(a)anthracene (1.4 mg/kg), benzo(a)pyrene (1.5 mg/kg) and benzo(b)fluoranthene (2.3 mg/kg) also exceed the RDEC of 1.0 mg/kg for each compound. In addition, the concentration of benzo(a)pyrene (1.5 mg/kg) exceeds the I/C-DEC of 1.0 mg/kg. No other detected SVOCs were present in soil sample GP-1 (0'-2') at concentrations exceeding the applicable RSR criteria.

Benzo(b)fluoranthene (1.5 mg/kg) was detected in soil sample GP-2 (0'-2') at a concentration exceeding both the GA PMC and RDEC of 1.0 mg/kg established for this compound. No other detected SVOCs were present in soil sample GP-2 (0'-2') at concentrations exceeding the applicable RSR criteria.

Benzo(a)anthracene (2.3 mg/kg), benzo(b)pyrene (2.6 mg/kg), benzo(b)fluoranthene (4.5 mg/kg), benzo(k)fluoranthene (1.7 mg/kg), chrysene (2.9 mg/kg), indeno(1,2,3-cd)pyrene (1.2 mg/kg), and pyrene (6.6 mg/kg) were detected in soil sample GP-4 (2'-4') at concentrations exceeding the applicable GA PMC. The concentrations of benzo(a)anthracene (2.3 mg/kg), benzo(a)pyrene (2.6 mg/kg), benzo(b)fluoranthene (4.5 mg/kg), and indeno(1,2,3-cd)pyrene (1.2 mg/kg) also exceed the applicable RDEC. In addition, the concentration of benzo(a)pyrene (2.6 mg/kg) exceeds the I/C-DEC of 1.0 mg/kg. No other detected SVOCs were present in soil sample GP-4 (2'-4') at concentrations exceeding the applicable RSR criteria.

Benzo(a)anthracene (18.0 mg/kg), benzo(a)pyrene (17.0 mg/kg), benzo(b)fluoranthene (27.0 mg/kg), benzo(g,h,i)perylene (4.6 mg/kg), benzo(k)fluoranthene (8.5 mg/kg), chrysene (16.0 mg/kg), dibenz(a,h)anthracene (1.7 mg/kg), fluoranthene (26.0 mg/kg), indeno(1,2,3-cd)pyrene

(6.3 mg/kg), phenanthrene (12.0 mg/kg), and pyrene (26.0 mg/kg) were detected in soil sample GP-5 (2'-4') at concentrations exceeding the applicable GA PMC. The concentrations of benzo(a)anthracene (18.0 mg/kg), benzo(a)pyrene (17.0 mg/kg), benzo(b)fluoranthene (27.0 mg/kg), benzo(k)fluoranthene (8.5 mg/kg), dibenz(a,h)anthracene (1.7 mg/kg), and indeno(1,2,3-cd)pyrene (6.3 mg/kg) also exceed the applicable RDEC. In addition, the concentration of benzo(a)anthracene (18.0 mg/kg), benzo(a)pyrene (17.0 mg/kg), benzo(b)fluoranthene (27.0 mg/kg), and dibenz(a,h)anthracene (1.7 mg/kg) exceed the applicable I/C-DEC. No other detected SVOCs were present in soil sample GP-5 (2'-4') at concentrations exceeding the applicable RSR criteria.

Benzo(a)anthracene (1.3 mg/kg), benzo(b)pyrene (1.5 mg/kg), benzo(b)fluoranthene (2.1 mg/kg), and chrysene (1.7 mg/kg) were detected in soil sample GP-6 (0'-2') at concentrations exceeding the applicable GA PMC. The concentrations of benzo(a)anthracene (1.3 mg/kg), benzo(a)pyrene (1.5 mg/kg), and benzo(b)fluoranthene (2.1 mg/kg) also exceed the applicable RDEC. In addition, the concentration of benzo(a)pyrene (1.5 mg/kg) exceeds the I/C-DEC of 1.0 mg/kg. No other detected SVOCs were present in soil sample GP-6 (0'-2') at concentrations exceeding the applicable RSR criteria.

Benzo(a)anthracene (15.0 mg/kg), benzo(b)pyrene (13.0 mg/kg), benzo(b)fluoranthene (17.0 mg/kg), benzo(k)fluoranthene (7.3 mg/kg), chrysene (15.0 mg/kg), dibenz(a,h)anthracene (1.3 mg/kg), fluoranthene (30.0 mg/kg), fluorene (9.4 mg/kg), indeno(1,2,3-cd)pyrene (5.1 mg/kg), 2-methylnaphthalene (4.0 mg/kg), naphthalene (6.7 mg/kg), phenanthrene (32.0 mg/kg), and pyrene (30.0 mg/kg) were detected in soil sample GP-8 (2'-4') at concentrations exceeding the applicable GA PMC. The concentrations of benzo(a)anthracene (15.0 mg/kg), benzo(a)pyrene (13.0 mg/kg), benzo(b)fluoranthene (17.0 mg/kg), dibenz(a,h)anthracene (1.3 mg/kg), and indeno(1,2,3-cd)pyrene (5.1 mg/kg) also exceed the applicable RDEC. In addition, the concentration of benzo(a)anthracene (15.0 mg/kg), benzo(a)pyrene (13.0 mg/kg), benzo(b)fluoranthene (17.0 mg/kg), and dibenz(a,h)anthracene (1.3 mg/kg) exceed the applicable I/C-DEC. No other detected SVOCs were present in soil sample GP-8 (2'-4') at concentrations exceeding the applicable RSR criteria.

Benzo(a)anthracene (2.4 mg/kg), benzo(a)pyrene (2.5 mg/kg), benzo(b)fluoranthene (4.1 mg/kg), benzo(k)fluoranthene (1.6 mg/kg), chrysene (2.6 mg/kg), and pyrene (5.7 mg/kg) were detected in soil sample GP-9 (2'-4') at concentrations exceeding the applicable GA PMC. The concentrations of benzo(a)anthracene (2.4 mg/kg), benzo(a)pyrene (2.5 mg/kg), and benzo(b)fluoranthene (4.1 mg/kg) also exceed the applicable RDEC. In addition, the concentration of benzo(a)pyrene (2.5 mg/kg) exceeds the I/C-DEC of 1.0 mg/kg. No other detected SVOCs were present in soil sample GP-9 (2'-4') at concentrations exceeding the applicable RSR criteria.

Benzo(a)anthracene (4.5 mg/kg), benzo(a)pyrene (4.0 mg/kg), benzo(b)fluoranthene (5.5 mg/kg), benzo(k)fluoranthene (2.3 mg/kg), chrysene (4.3 mg/kg), fluoranthene (8.1 mg/kg), indeno(1,2,3-cd)pyrene (1.6 mg/kg), phenanthrene (4.4 mg/kg), and pyrene (8.9 mg/kg) were detected in soil sample GP-10 (0'-2') at concentrations exceeding the applicable GA PMC. The concentrations of benzo(a)anthracene (4.5 mg/kg), benzo(a)pyrene (4.0 mg/kg), benzo(b)fluoranthene (5.5 mg/kg),and indeno(1,2,3-cd)pyrene (1.6 mg/kg) also exceed the applicable RDEC. In addition, the concentration of benzo(a)pyrene (4.0 mg/kg) exceeds the I/C-DEC of 1.0 mg/kg. No other detected SVOCs were present in soil sample GP-10 (0'-2') at concentrations exceeding the applicable RSR criteria.

Benzo(a)anthracene (6.2 mg/kg), benzo(a)pyrene (6.2 mg/kg), benzo(b)fluoranthene (10.0 mg/kg), benzo(k)fluoranthene (3.0 mg/kg), chrysene (6.3 mg/kg), fluoranthene (10.0 mg/kg), indeno(1,2,3-cd)pyrene (2.8 mg/kg), phenanthrene (5.3 mg/kg), and pyrene (12.0 mg/kg) were detected in soil sample GP-11 (0'-2') at concentrations exceeding the applicable GA PMC. The concentrations of benzo(a)anthracene (6.2 mg/kg), benzo(a)pyrene (6.2 mg/kg), benzo(b)fluoranthene (10.0 mg/kg),and indeno(1,2,3-cd)pyrene (2.8 mg/kg) also exceed the applicable RDEC. In addition, the concentrations of benzo(a)pyrene (6.2 mg/kg) and benzo(b)fluoranthene (7.8 mg/kg) exceed the applicable I/C-DEC. No other detected SVOCs were present in soil sample GP-11 (0'-2') at concentrations exceeding the applicable RSR criteria.

Total metals, arsenic, barium, cadmium, chromium, lead, mercury and selenium, were detected in soil samples collected as part of this Task 210-SSIR at concentrations below the applicable RSR criteria. Leachable lead was detected in soil samples GP-1 (0'-2'), GP-4 (2'-4'), GP-5 (2'-4'), GP-6 (0'-2'), GP-8 (2'-4'), and GP-9 (2'-4') at concentrations of 0.11 mg/L, 0.12 mg/L, 0.11 mg/L, 0.12 mg/L, 0.11 mg/L, and 0.075 mg/L, respectively, which exceed the GA PMC of 0.015 mg/L for lead. Leachable chromium was detected in soil sample GP-12 (0'-2') at a concentration of 0.024 mg/L which is below the GA PMC of 0.05 mg/L for chromium. No other leachable metals were detected in the soil samples collected at concentrations above analytical detection limits (ND).

5.3 Results of Sediment Sample Analyses

Three (3) sediment samples, SED-1 through SED-3, were collected as part of this Task 210-SSIR and sent to Premier Laboratory Inc. for laboratory analyses. Summaries of the laboratory results from the sediment samples are presented in Table 2, which is located at the end of this report, and copies of the sediment sample analytical results are included in Appendix B. The following summarizes the results of the analyses conducted on the sediment samples.

The results of the laboratory analyses indicated the presence to extractable total petroleum hydrocarbons (ETPH) at concentrations above analytical detection limits in the three (3) sediment samples. ETPH was detected in sediment samples SED-1, SED-2, and SED-3 at concentrations of 210 mg/kg, 230 mg/kg, and 110 mg/kg, respectively, which are below the applicable RSR criteria.

VOCs were not detected above analytical detection limits (ND) in the sediment samples with the exception of acetone in samples SED-1 and SED-2. Acetone was detected in sediment samples SED-1 and SED-2 at concentrations of 0.022 mg/kg and 0.029 mg/kg, respectively, which are below the applicable RSR criteria.

Several SVOCs were detected in the sediment samples SED-1 through SED-3 at concentrations above analytical detection limits. Benzo(a)fluorathene (1.4 mg/kg) and chrysene (1.1 mg/kg)

were detected in sediment sample SED-1 at concentrations exceeding the applicable GA PMC. The concentration of benzo(a)fluoranthene (1.4 mg/kg) also exceeds the RDEC of 1.0 mg/kg. No other detected SVOCs were present in sediment sample SED-1 at concentrations exceeding the applicable RSR criteria.

Benzo(b)fluoranthene was detected in sediment sample SED-2 at a concentration of 1.2 mg/kg which exceeds both the GA PMC and RDEC of 1.0 mg/kg. No other detected SVOCs were present in sediment sample SED-2 at concentrations exceeding the applicable RSR criteria.

Benzo(a)anthracene (8.7 mg/kg), benzo(a)pyrene (7.3 mg/kg), benzo(b)fluoranthene (9.9 mg/kg), benzo(k)fluoranthene (4.3 mg/kg), chrysene (7.9 mg/kg), fluoranthene (14.0 mg/kg), indeno(1,2,3-cd)pyrene (3.3 mg/kg), phenanthrene (5.6 mg/kg), and pyrene (12.0 mg/kg) were detected in sediment sample SED-3 at concentrations exceeding the applicable GA PMC. Benzo(a)anthracene (8.7 mg/kg), benzo(a)pyrene (7.3 mg/kg), benzo(b)fluoranthene (9.9 mg/kg), and indeno(1,2,3-cd)pyrene (3.3 mg/kg) were also detected at concentrations exceeding the applicable RDEC. In addition, benzo(a)anthracene (8.7 mg/kg), benzo(a)pyrene (7.3 mg/kg), and benzo(b)fluoranthene (9.9 mg/kg) were also present at concentrations exceeding the applicable I/C-DEC. No other detected SVOCs were present in sediment sample SED-3 at concentrations exceeding the applicable RSR criteria.

The results of the laboratory analyses of the sediment samples did not indicate the presence of PCBs in any of the samples at concentrations above analytical detection limits (ND).

Total metals, arsenic, barium, cadmium, chromium, lead and mercury were detected in the sediment samples collected, but at concentrations below the applicable RSR criteria. Leachable metals were not detected above analytical detection limits (ND) in any of the sediment samples.

5.4 Results of Groundwater Sample Analyses

One (1) groundwater grab sample was collected from boring GP-8 and sent to Premier Laboratory Inc. for laboratory analyses. A summary of the laboratory results from the

groundwater grab sample analyses is presented in Table 3 located at the end of this report, and copies of the groundwater grab sample analytical results are included in Appendix B. The following summarizes the results of the analyses conducted on the groundwater grab sample.

The results of the laboratory analyses of groundwater grab sample GP-8 GW did not indicate the presence of ETPH, SVOCs and PCBs at concentrations exceeding analytical detection limits (ND).

Toluene (2.9 ug/L), 1,2,4-trimethylbenzene (1.0 ug/L), and xylenes (2.8 ug/L) were detected in groundwater grab sample GP-8 GW at concentrations above analytical detection limits. Individual effluent limits for these compounds have not been established in the CTDEEP general permits. The concentration of total VOCs (6.7 ug/L) is below both the GP to Surface Water effluent limit of 10.0 ug/L and the GP to Sanitary Sewer effluent limit of 5,000 ug/L for total VOCs. However, the concentration of total VOCs is greater than half of the permit effluent limits for surface water (5.0 ug/L) and would require controlled handling and discharge. No other VOCs were detected in the groundwater grab sample at concentrations above analytical detection limits (ND).

Total barium (0.044 mg/L), chromium (0.0078 mg/L), lead (0.0062 mg/L) and selenium (0.009 mg/L) were detected in the groundwater grab sample at concentrations below the applicable effluent limits. Dissolved barium (0.013 mg/L) and chromium (0.017 mg/L) were also detected in the groundwater grab sample, but at concentrations below the applicable effluent limits. No other total and dissolved metals were detected in the groundwater grab sample at concentrations above analytical limits (ND).

5.5 Quality Assurance/Quality Control Samples

The trip blank TB-1 and field blank sample FB-1 did not contain any detectable concentrations of contaminants with the exception of dissolved chromium in the field blank sample. A summary of the laboratory results from the QA/QC samples is presented in Table 4 located at the

end of this report, and copies of the analytical results associated with the quality assurance/quality control samples are included in Appendix B at the end of this report.

5.6 Data Quality Assessment and Data Usability Evaluation (DQA/DUE)

Twelve (12) soil, three (3) sediment and one (1) groundwater samples were collected from within the project limits and submitted to a state-certified analytical laboratory for analyses using the CTDEEP Reasonable Confidence Protocols (RCPs) established for VOCs, SVOCs, ETPH, metals, and PCBs. The samples were collected to verify the absence or presence and location of subsurface contamination, and to assess the potential pollutant impacts to be encountered during construction associated with the replacement of the existing bridge within the project limits

A data quality assessment and data usability evaluation were performed for the data generated in accordance with CTDEEP guidance and noted the following quality control non-conformances. Copies of the DQA and DUE worksheets are included in Appendix C.

Non-conformances related to Surrogate spike recoveries, LCS/LCSD RPDs, and Internal Standards responses do not have significant bearing on the accuracy and usability of the data for its intended uses. In all cases the non-conformances had no impact on the data usability and the data is of sufficient quality and precision for its intended use based on multiple lines of evidence.

Based on the above findings from the DQA and DUE, the analytical data is of adequate quality and of sufficient accuracy, precision and sensitivity to confirm that contaminants of concern are present in the soil and sediment at concentrations exceeding the CTDEEP RSRs. Task 310 Plans, Specifications and Estimate will be required to assess construction related activities (i.e. proper storage, classification, transport and disposal of contaminated materials), in relationship to the environmental conditions prevalent within the project limits, as well as to specify remedial work to be included in the Contract Bid Documents.

6.0 DISCUSSION OF AFFECTED RESOURCES

Based upon the results of the laboratory analyses performed on soil, sediment, and groundwater samples for this Task 210 investigation, two (2) areas of environmental concern (AOECs) for soil and one (1) sediment area of environmental concern (SED-AOEC), have been identified where contaminants are present at concentrations that exceed the applicable CTDEEP RSR criteria. The concentration of total VOCs is greater than half of the permit effluent limits for surface water (5.0 ug/L) and in accordance with the guidance from CTDEEP for construction projects the entire project site has also been designated a groundwater area of environmental concern (GW-AOEC). Total VOCs have been identified in the project groundwater at concentrations that may exceed the CTDEEP GP Directly to Surface Water effluent limit for Total VOCs. Therefore, groundwater encountered during construction activities will require proper management and disposal in accordance with the CTDEEP general permits. In addition, three (3) low-level areas of environmental concern (LLAOECs) for soil have been identified where contaminants were detected at concentrations below the applicable CTDEEP RSR standards, but above laboratory detection limits. The locations of the AOECs and LLAOECs within the limits of this SSIR are discussed in the following sections.

6.1 Soil - Areas of Environmental Concern (AOECs)

AOEC #1: Samples GP-1, GP-2, GP-5 & GP-6

Analytical results from the soil samples collected from borings GP-1, GP-2, GP-5, and GP-6 indicated the presence of ETPH, SVOCs and leachable lead at elevated concentrations in soil ranging from 0 to 4 feet below grade. The contamination detected exceeds the applicable CTDEEP RSR criteria.

AOEC #2: Samples GP-4, GP-8, GP-9, GP-10 & GP-11

Analytical results from the soil samples collected from borings GP-4, GP-8, GP-9, GP-10, and GP-11 indicated the presence of ETPH, SVOCs and leachable lead at elevated concentrations in soil ranging from 0 to 4 feet below grade. The contamination detected exceeds the applicable CTDEEP RSR criteria.

6.2 Sediment - Area of Environmental Concern (Sed-AOECs)

SED-AOEC #1: Samples SED-1, SED-2 & SED-3

Analytical results from the sediment samples SED-1, SED-2, and SED-3 indicated the presence of SVOCs at elevated concentrations in sediment within Beaver Brook. The contamination detected exceeds the applicable CTDEEP RSR criteria.

6.3 Groundwater – Area of Environmental Concern (GW-AOEC)

GW-AOEC Sample GP-8 GW

Analytical results from the groundwater grab sample GP-8 GW indicated the presence of Total VOCs at concentrations, which may exceed the General Permit for Discharge of Remediation Wastewater Directly to Surface Water during dewatering operations. The concentration of total VOCs is greater than half of the permit effluent limits for surface water (5.0 ug/L) and in accordance with the guidance from CTDEEP for construction projects the entire project site has also been designated a groundwater area of environmental concern (GW-AOEC). Therefore, any construction dewatering fluids generated will require proper management and disposal in accordance with permit requirements.

6.4 Soil - Low-Level Areas of Environmental Concern (LLAOECs)

LLAOEC A: Sample GP-3

Analytical results from the soil sample collected from boring GP-3 indicated the presence of low concentrations of ETPH and SVOCs in soil ranging from 4 to 8 feet below grade. The contamination detected is below the applicable CTDEEP RSR criteria.

LLAOEC B: Sample GP-7

Analytical results from the soil sample collected from boring GP-7 indicated the presence of low concentrations of ETPH and SVOCs in soil ranging from 4 to 8 feet below grade. The contamination detected is below the applicable CTDEEP RSR criteria.

LLAOEC C: Sample GP-12

Analytical results from the soil sample collected from boring GP-12 indicated the presence of low concentrations of ETPH and VOCs in soil ranging from 0 to 2 feet below grade. The contamination detected is below the applicable CTDEEP RSR criteria.

7.0 RECOMMENDATIONS

The results of the Task 210 – Subsurface Site Investigation Report for the Replacement of Bridge No. 2448, East Main Street Over Beaver Brook in Waterbury, Connecticut indicated the presence of ETPH, SVOCs, and leachable lead at concentrations exceeding the applicable CTDEEP RSR in soil and sediment within the project corridor. The contamination was detected in soils ranging from 0 to 4 feet below grade. In addition, low concentrations of VOCs, total and leachable metals were detected in the soils at concentrations below the applicable CTDEEP RSR criteria. In addition, the results of the Task 210 indicated the presence of total VOCs in the groundwater within the project corridor at concentrations, which may exceed the CTDEEP GP to Surface Water effluent limits for total VOCs. The concentration of total VOCs is greater than half of the permit effluent limits for surface water (5.0 ug/L) and in accordance with the guidance from CTDEEP for construction projects the entire project site has also been designated a groundwater area of environmental concern (GW-AOEC). Therefore, any construction dewatering fluids generated will require proper management and disposal in accordance with permit requirements.

Two (2) soil areas of environmental concern (AOECs) and one (1) sediment area of environmental concern (SED-AOEC) have been indentified within the project limits. The entire project limits have also been designated a groundwater area of environmental concern (GW-AOEC). In addition, three (3) low-level areas of environmental concern (LLAOECs) for soil have been identified. Special considerations for treatment/disposal, dewatering activities, and worker health & safety must be given to these areas in order to ensure compliance with all local, State and Federal laws. Task 310 Plans, Specifications, and Estimate are therefore, recommended for the areas of construction with the AOECs and LLAOECs described in Section 6.0 above.

8.0 LIMITATIONS

All work product and reports provided by Maguire Group Inc. (Maguire) in connection with the performance of this Task 210 - Subsurface Site Investigation Report are subject to the following limitations:

1. The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services provided to ConnDOT.

2. In preparing this report, Maguire has relied on certain information provided by State and local officials and information and representations made by other parties referenced therein, and on information contained in the files of State and/or local agencies made available to Maguire at the time of this investigation. To the extent that such files are missing, incomplete or not provided to Maguire, Maguire is not responsible. Although there may have been some degree of overlap in the information provided by these various sources, Maguire did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this investigation.

3. The conclusions and recommendations contained in this report are based in part upon the data from subsurface explorations. The nature and extent of variations between these explorations may not become evident until further explorations are completed. If variations or other latent conditions become evident, it will be necessary to re-evaluate the conclusions and recommendations of this report.

4. The water level readings made for this investigation were made at the times and conditions stated on the boring logs. However, it must be noted that fluctuations in the level of the groundwater may occur due to variations in rainfall, passage of time and other factors. Should additional data become available in the future, these data should be reviewed by Maguire, and the conclusions and recommendations presented herein modified accordingly.

5. Where quantitative laboratory analyses have been conducted by an outside certified laboratory, Maguire has relied upon the data provided, and has evaluated the data in accordance with CTDEEP DQA/DUE Guidance, but has not conducted an independent evaluation of the reliability of these tests.

6. If the conclusions and recommendations contained in this report are based, in part, upon various types of chemical data, then the conclusions and recommendations are contingent upon the validity of such data. These data have been reviewed and interpretations made in the report. It should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by Maguire and the conclusions and recommendations presented herein modified accordingly.

7. Chemical analyses were performed for specific parameters during the course of this investigation, as described in the text. However, it should be noted that testing for all known chemical constituents was not performed. The conclusions and recommendations contained in this report are based only upon the chemical constituents for which testing was accomplished.

The following qualifications apply to the undersigned's opinion:

The activities described and opinions included herein are based on information gathered during this subsurface site investigation, which was limited in scope in adherence to the terms of our agreement. The professional opinion provided herein is based on the information described in this report.

The information contained herein was prepared for the use of ConnDOT solely in conjunction with the task descriptions for this assignment. The conclusions and recommendations set forth in this report are based on site conditions at the time of the investigation. Future studies and

findings could change the contents of this report. The professional opinions presented in this report have been developed by using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental engineering consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions included in this report.

Prepared by:	Approved by:	Reviewed by:
Jane Witherell, PE, LEP, CHMM Principal Engineer	David R. Stock, P.E. Program Manager	Peter Griswold, P.E. Principal Engineer

FIGURES

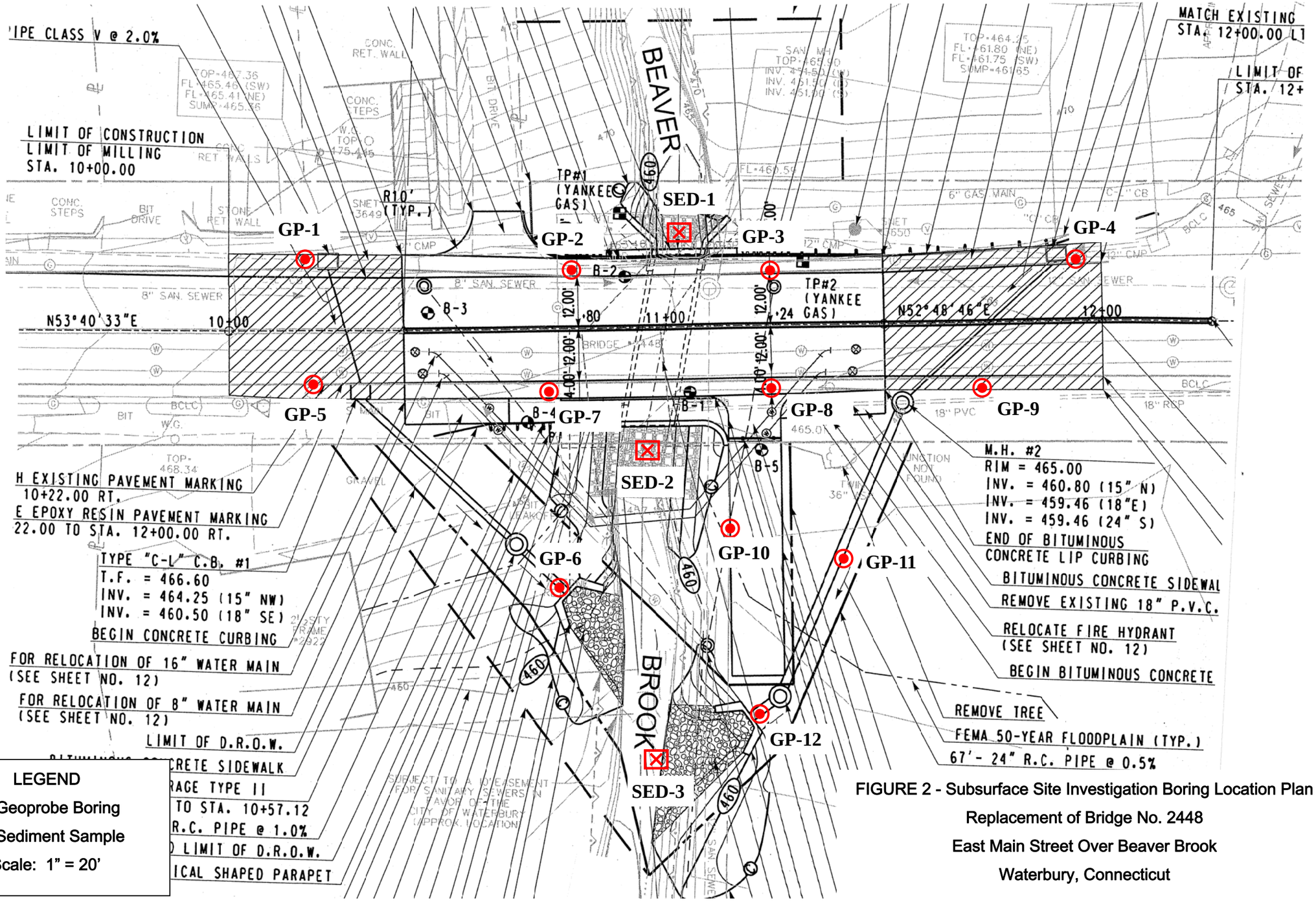

FIGURE 2 - Subsurface Site Investigation Boring Location Plan

Replacement of Bridge No. 2448

East Main Street Over Beaver Brook

Waterbury, Connecticut

TABLES

TABLE 1(a) - Results of Geoprobe® Boring Soil Sample Analyses

Replacement of Bridge No. 2448 – East Main Street over Beaver Brook
Waterbury, Connecticut

Boring I.D.: Sample Depth:	GP-1 0'-2'	GP-2 0'-2'	GP-3 4'-8'	GP-4 2'-4'	CTDEEP PMC GA Groundwater Area	CTDEEP DEC Residential/ Commercial & Industrial
CT ETPH - (mg/kg)	**500**	150	69	190	500 mg/kg	500/2,500 mg/kg
VOCs - Method 8260 (mg/kg)	ND	ND	ND	ND		
SVOCs - Method 8270 (mg/kg)						
Acenaphthylene	ND	ND	ND	0.55	8.4 mg/kg	1,000/2,500 mg/kg
Anthracene	ND	ND	ND	0.38	40 mg/kg	1,000/2,500 mg/kg
Benzo(a)anthracene	***1.4***	0.71	ND	***2.3***	**1 mg/kg**	1/7.8 mg/kg
Benzo(a)pyrene	***1.5***	0.78	ND	***2.6***	**1 mg/kg**	**1/1 mg/kg**
Benzo(b)fluoranthene	***2.3***	***1.5***	ND	***4.5***	**1 mg/kg**	**1**/7.8 mg/kg
Benzo(g,h,i)perylene	0.63	0.38	ND	1.0	4.2 mg/kg	1,000/2,500 mg/kg
Benzo(k)fluoranthene	0.96	0.5	ND	***1.7***	**1 mg/kg**	8.4/78 mg/kg
Bis(2-ethylhexylphthalate)	ND	0.32	ND	ND	1 mg/kg	44/410 mg/kg
Chrysene	***1.8***	0.92	ND	***2.9***	**1 mg/kg**	84/780 mg/kg
Fluoranthene	3.5	1.8	0.24	5.3	5.6 mg/kg	1,000/2,500 mg/kg
Indeno(1,2,3-cd)pyrene	0.68	0.46	ND	***1.2***	**1 mg/kg**	**1**/7.8 mg/kg
Phenanthrene	2.0	0.85	ND	3.1	4 mg/kg	1,000/2,500 mg/kg
Pyrene	3.5	1.9	0.2	***6.6***	**4 mg/kg**	1,000/2,500 mg/kg
Total SVOCs	18.27	10.12	0.44	32.13		
PCBs – Method 8082 (mg/kg)	NA	NA	NA	NA	Not Applicable	1/10 mg/kg
Total RCRA 8 Metals – mg/kg					Not Applicable	
Arsenic	1.3	1.1	1.7	2.2		10/10 mg/kg
Barium	40	32	54	54		4,700/140,000 mg/kg
Cadmium	0.63	0.6	0.86	0.91		34/1,000 mg/kg
Chromium	10	13	14	12		None Established
Lead	98	120	21	120		500/1,000 mg/kg
Mercury	ND	ND	0.06	0.026		20/610 mg/kg
SPLP RCRA 8 Metals – mg/L						Not Applicable
Lead	***0.11***	ND	ND	***0.12***	**0.015 mg/L**	

ND Not Detected (see laboratory reports for compound specific detection limits)
NA Not Analyzed for this procedure.

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 1(b) - Results of Geoprobe® Boring Soil Sample Analyses

Replacement of Bridge No. 2448 – East Main Street over Beaver Brook
Waterbury, Connecticut

Boring I.D.: Sample Depth:	GP-5 2'-4'	GP-6 0'-2'	GP-7 4'-8'	GP-8 2'-4'	CTDEEP PMC GA Groundwater Area	CTDEEP DEC Residential/ Commercial & Industrial
CT ETPH - (mg/kg)	***700***	170	43	***710***	**500 mg/kg**	**500**/2,500 mg/kg
VOCs - Method 8260 (mg/kg)						
Acetone	ND	ND	ND	0.74	14 mg/kg	500/1,000 mg/kg
Naphthalene	0.12	0.013	ND	ND	5.6 mg/kg	1,000/2,500 mg/kg
SVOCs - Method 8270 (mg/kg)						
Acenaphthene	ND	ND	ND	0.83	8.4 mg/kg	1,000/2,500 mg/kg
Acenaphthylene	2.8	0.32	ND	6.1	8.4 mg/kg	1,000/2,500 mg/kg
Anthracene	4.0	ND	ND	9.0	40 mg/kg	1,000/2,500 mg/kg
Biphenyl	ND	ND	ND	0.86	None Established	None Established
Benzo(a)anthracene	***18.0***	***1.3***	0.36	***15.0***	**1 mg/kg**	**1/7.8 mg/kg**
Benzo(a)pyrene	***17.0***	***1.5***	0.3	***13.0***	**1 mg/kg**	**1/1 mg/kg**
Benzo(b)fluoranthene	***27.0***	***2.1***	0.33	***17.0***	**1 mg/kg**	**1/7.8 mg/kg**
Benzo(g,h,i)perylene	***4.6***	0.56	ND	3.6	**4.2 mg/kg**	1,000/2,500 mg/kg
Benzo(k)fluoranthene	***8.5***	0.97	0.16	***7.3***	**1 mg/kg**	**8.4**/78 mg/kg
Chrysene	***16.0***	***1.7***	0.32	***15.0***	**1 mg/kg**	84/780 mg/kg
Dibenz(a,h)anthracene	***1.7***	ND	ND	***1.3***	**1 mg/kg**	**1/1 mg/kg**
Dibenzofuran	0.87	ND	ND	ND	1 mg/kg	270/2,500 mg/kg
Fluoranthene	***26.0***	3.1	0.69	***30.0***	**5.6 mg/kg**	1,000/2,500 mg/kg
Fluorene	1.9	ND	ND	***9.4***	**5.6 mg/kg**	1,000/2,500 mg/kg
Indeno(1,2,3-cd)pyrene	***6.3***	0.7	0.16	***5.1***	**1 mg/kg**	**1**/7.8 mg/kg
2-Methylnaphthalene	ND	ND	ND	***4.0***	**0.98 mg/kg**	474/2,500 mg/kg
Naphthalene	0.65	ND	ND	***6.7***	**5.6 mg/kg**	1,000/2,500 mg/kg
Phenanthrene	***12.0***	1.7	0.57	***32.0***	**4 mg/kg**	1,000/2,500 mg/kg
Pyrene	***26.0***	3.5	0.59	***30.0***	**4 mg/kg**	1,000/2,500 mg/kg
Total SVOCs	173.32	17.45	3.48	206.19		
PCBs – Method 8082 (mg/kg)	NA	NA	ND	ND	Not Applicable	1/10 mg/kg
Total RCRA 8 Metals – mg/kg					Not Applicable	
Arsenic	2.1	1.6	1.3	2.4		10/10 mg/kg
Barium	69	45	44	62		4,700/140,000 mg/kg
Cadmium	0.92	0.81	0.46	0.82		34/1,000 mg/kg
Chromium	16	11	10	9.5		None Established
Lead	40	73	7.4	50		500/1,000 mg/kg
Mercury	0.028	0.039	0.05	0.024		20/610 mg/kg
SPLP RCRA 8 Metals – mg/L						Not Applicable
Lead	***0.11***	***0.12***	ND	***0.11***	**0.015 mg/L**	

ND Not Detected (see laboratory reports for compound specific detection limits)
NA Not Analyzed for this procedure.
The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 1(c) - Results of Geoprobe® Boring Soil Sample Analyses

Replacement of Bridge No. 2448 – East Main Street over Beaver Brook
Waterbury, Connecticut

Boring I.D.: Sample Depth:	GP-9 2'-4'	GP-10 0'-2'	GP-11 0'-2'	GP-12 0'-2'	CTDEEP PMC GA Groundwater Area	CTDEEP DEC Residential/ Commercial & Industrial
CT ETPH - (mg/kg)	160	***890***	***720***	9.8	**500 mg/kg**	**500**/2,500 mg/kg
VOCs - Method 8260 (mg/kg)						
Naphthalene	ND	0.048	0.0096	0.0064	5.6 mg/kg	1,000/2,500 mg/kg
SVOCs - Method 8270 (mg/kg)						
Acenaphthylene	0.56	1.0	1.5	ND	8.4 mg/kg	1,000/2,500 mg/kg
Anthracene	ND	1.1	1.0	ND	40 mg/kg	1,000/2,500 mg/kg
Benzo(a)anthracene	***2.4***	***4.5***	***6.2***	ND	**1 mg/kg**	**1**/7.8 mg/kg
Benzo(a)pyrene	***2.5***	***4.0***	***6.2***	ND	**1 mg/kg**	**1/1 mg/kg**
Benzo(b)fluoranthene	***4.1***	***5.5***	***10.0***	ND	**1 mg/kg**	**1/7.8 mg/kg**
Benzo(g,h,i)perylene	0.81	1.3	2.2	ND	4.2 mg/kg	1,000/2,500 mg/kg
Benzo(k)fluoranthene	***1.6***	***2.3***	***3.0***	ND	**1 mg/kg**	8.4/78 mg/kg
Chrysene	***2.6***	***4.3***	***6.3***	ND	**1 mg/kg**	84/780 mg/kg
Dibenz(a,h)anthracene	ND	0.43	0.67	ND	1 mg/kg	1/1 mg/kg
Fluoranthene	4.5	***8.1***	***10.0***	ND	**5.6 mg/kg**	1,000/2,500 mg/kg
Fluorene	ND	0.71	0.63	ND	5.6 mg/kg	1,000/2,500 mg/kg
Indeno(1,2,3-cd)pyrene	1.0	***1.6***	***2.8***	ND	**1 mg/kg**	**1**/7.8 mg/kg
Phenanthrene	1.5	***4.4***	***5.3***	ND	**4 mg/kg**	1,000/2,500 mg/kg
Pyrene	***5.7***	***8.9***	***12.0***	ND	**4 mg/kg**	1,000/2,500 mg/kg
Total SVOCs	27.27	48.14	67.8	ND		
PCBs – Method 8082 (mg/kg)	ND	ND	ND	ND	Not Applicable	1/10 mg/kg
Total RCRA 8 Metals – mg/kg					Not Applicable	
Arsenic	1.8	1.7	1.6	1.7		10/10 mg/kg
Barium	39	45	48	51		4,700/140,000 mg/kg
Cadmium	0.93	0.82	0.74	0.76		34/1,000 mg/kg
Chromium	12	16	9.3	14		None Established
Lead	56	74	23	6.4		500/1,000 mg/kg
Mercury	0.026	0.036	ND	0.046		20/610 mg/kg
Selenium	ND	ND	ND	2.4		340/10,000 mg/kg
SPLP RCRA 8 Metals – mg/L						Not Applicable
Chromium	ND	ND	ND	0.024	0.05 mg/L	
Lead	***0.075***	ND	ND	ND	**0.015 mg/L**	

ND Not Detected (see laboratory reports for compound specific detection limits)
The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 2 - Results of Sediment Grab Sample Analyses

Replacement of Bridge No. 2448 – East Main Street over Beaver Brook
Waterbury, Connecticut

Sample I.D.:	SED-1	SED-2	SED-3	CTDEEP PMC GA Groundwater Area	CTDEEP DEC Residential/ Commercial & Industrial
CT ETPH - (mg/kg)	210	230	110	500 mg/kg	500/2,500 mg/kg
VOCs - Method 8260 (mg/kg)					
Acetone	0.022	0.029	ND	14 mg/kg	500/1,000 mg/kg
SVOCs - Method 8270 (mg/kg)					
Acenaphthylene	ND	ND	0.75	8.4 mg/kg	1,000/2,500 mg/kg
Anthracene	ND	ND	1.7	40 mg/kg	1,000/2,500 mg/kg
Benzo(a)anthracene	0.85	0.71	***8.7***	**1 mg/kg**	**1/7.8 mg/kg**
Benzo(a)pyrene	0.92	0.74	***7.3***	**1 mg/kg**	**1/1 mg/kg**
Benzo(b)fluoranthene	***1.4***	***1.2***	***9.9***	**1 mg/kg**	**1/7.8 mg/kg**
Benzo(g,h,i)perylene	0.45	ND	2.2	4.2 mg/kg	1,000/2,500 mg/kg
Benzo(k)fluoranthene	0.52	0.41	***4.3***	**1 mg/kg**	8.4/78 mg/kg
Chrysene	***1.1***	0.96	***7.9***	**1 mg/kg**	84/780 mg/kg
Dibenz(a,h)anthracene	ND	ND	0.84	1 mg/kg	1/1 mg/kg
Fluoranthene	2.4	1.8	***14.0***	**5.6 mg/kg**	1,000/2,500 mg/kg
Fluorene	ND	ND	0.47	5.6 mg/kg	1,000/2,500 mg/kg
Indeno(1,2,3-cd)pyrene	0.49	0.42	***3.3***	**1 mg/kg**	**1**/7.8 mg/kg
Phenanthrene	1.2	0.87	***5.6***	**4 mg/kg**	1,000/2,500 mg/kg
Pyrene	2.1	1.7	***12.0***	**4 mg/kg**	1,000/2,500 mg/kg
Total SVOCs	11.43	8.81	78.96		
PCBs – Method 8082 (mg/kg)	ND	ND	ND	Not Applicable	1/10 mg/kg
Total RCRA 8 Metals – mg/kg				Not Applicable	
Arsenic	1.6	1.2	1.8		10/10 mg/kg
Barium	40	31	58		4,700/140,000 mg/kg
Cadmium	0.83	0.65	0.77		34/1,000 mg/kg
Chromium	7.2	6.7	12		None Established
Lead	21	19	52		500/1,000 mg/kg
Mercury	ND	ND	0.03		20/610 mg/kg
SPLP RCRA 8 Metals – mg/L	ND	ND	ND		

ND Not Detected (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

TABLE 3 - Results of Groundwater Grab Sample Analyses

Replacement of Bridge No. 2448 – East Main Street over Beaver Brook
Waterbury, Connecticut

Sample I.D.:	GP-8 GW	CTDEEP GP to "A" Surface Water Effluent Limits	CTDEEP GP to Sanitary Sewer Effluent Limits
CT ETPH (mg/L)	ND	5 mg/L	100 mg/L
VOCs - Method 8260 (ug/L)			
Toluene	2.9	None Established	None Established
1,2,4-Trimethylbenzene	1.0	None Established	None Established
Xylenes (total)	2.8	None Established	None Established
Total VOCs	6.7	10 ug/L	5,000 ug/L
SVOCs - Method 8270 (ug/L)	ND		
PCBs - Method 8080 (ug/L)	ND		
Total RCRA 8 Metals –mg/L			
Barium	0.044	None Established	5.0 mg/L
Chromium	0.0078	0.342 mg/L	1.0 mg/L
Lead	0.0062	0.0098 mg/L	0.1 mg/L
Selenium	0.009	0.04 mg/L	1.0 mg/L
Dissolved RCRA 8 Metals – mg/L			
Barium	0.013	None Established	5.0 mg/L
Chromium	0.017	0.342 mg/L	1.0 mg/L

ND – Not Detected (see laboratory reports for compound specific detection limits)

The compounds listed above are those that were detected - please see laboratory reports for full lists of compounds and their specific detection limits.

GP General Permit Discharge Limits

TABLE 4 - Results of QA/QC Sample Analyses

Replacement of Bridge No. 2448 – East Main Street over Beaver Brook
Waterbury, Connecticut

Sample I.D.: Matrix:	FB-1 Aqueous	TB-1 Aqueous
VOCs - Method 8260 (ug/L)	ND	ND
CT ETPH (mg/L)	ND	NA
SVOCs – Method 8270 (ug/L)	ND	NA
PCBs – Method 8082 (ug/L)	ND	NA
Total RCRA 8 Metals (mg/L)	ND	NA
Dissolved RCRA 8 Metals (mg/L) Chromium	 0.0073	NA

ND – Not Detected (see laboratory reports for compound specific detection limits)

NA Not Analyzed for this procedure

APPENDIX A
Boring Logs

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-1
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Dark-Brown to Brown fine to medium SAND, little Silt, trace Cobble	2.0	0.7	Hand Auger 0'-2'
2.0					
3.0					
4.0					
5.0					
6.0		Refusal at 2'			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Hand Auger
Boring Depth: 2'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-2
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Dark-Brown to Brown fine to medium SAND, little Silt, trace Cobble	2.0	1.1	Hand Auger 0'-2'
2.0					
3.0					
4.0					
5.0					
6.0		Refusal at 2'			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Hand Auger
Boring Depth: 2'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-3
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0, 2.0, 3.0, 4.0		Dark-Brown to Brown fine to medium SAND, little Silt, trace Cobble	4.0	0.2	Macro Core 0'-4'
5.0, 6.0		Orange-Brown SILT, little fine to coarse Gravel, trace fine to medium Sand & Cobble	6.0	0.3	Macro Core 4'-8'
7.0, 8.0		Dark-Brown SILT, little fine to coarse Gravel, trace Cobble & fine Sand	8.0		
9.0, 10.0, 11.0, 12.0		End of Boring at 8'			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-4
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0, 2.0, 3.0		Dark-Brown to Brown fine to medium SAND, little Silt, trace Cobble (moist)	3.5	0.8	Macro Core 0'-4'
4.0, 5.0, 6.0		Orange-Brown SILT, little fine to coarse Gravel, trace fine to medium Sand & Cobble	6.0	0.1	Macro Core 4'-8'
7.0, 8.0		Dark-Brown SILT, little fine to coarse Gravel, trace Cobble & fine Sand	8.0		
9.0, 10.0, 11.0, 12.0		End of Boring at 8'			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-5
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		ASPHALT - 3"	0.3		
1.0, 2.0, 3.0		Brown fine to medium SAND, little Silt, trace Cobble & Cinders (FILL, moist)	4.0	1.3	Macro Core 0'-4'
4.0, 5.0		Orange-Brown SILT, little fine to coarse Gravel, trace fine to medium Sand & Cobble	6.0	0.1	Macro Core 4'-8'
6.0, 7.0		Dark-Brown SILT, little fine to coarse Gravel, trace Cobble & fine Sand	8.0		
8.0, 9.0, 10.0, 11.0, 12.0		End of Boring at 8'			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-6
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Dark-Brown to Brown fine to medium SAND, little Silt, trace Cobble	2.0	0.4	Hand Auger 0'-2'
2.0					
3.0					
4.0					
5.0					
6.0		Refusal at 2'			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Hand Auger
Boring Depth: 2'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-7
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		ASPHALT - 3"	0.3		
1.0, 2.0, 3.0, 4.0		Brown fine to medium SAND, little Silt, trace Cobble & Cinders (FILL, moist)		0.1	Macro Core 0'-4'
5.0		Orange-Brown SILT, little fine to coarse Gravel, trace fine to medium Sand & Cobble	5.0		
6.0, 7.0		Dark-Brown SILT, little fine to coarse Gravel, trace Cobble & fine Sand	6.0	0.3	Macro Core 4'-8'
8.0			8.0		
9.0, 10.0, 11.0, 12.0		End of Boring at 8'			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-8
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		ASPHALT - 3"	0.3		
1.0, 2.0, 3.0		Brown fine to medium SAND, little Silt, trace Cobble & Cinders (FILL, moist)	4.0	1.5	Macro Core 0'-4'
4.0, 5.0, 6.0, 7.0		Orange-Brown SILT, little fine to coarse Gravel, trace fine to medium Sand & Cobble	6.0	0.2	Macro Core 4'-8'
		Dark-Brown SILT, little fine to coarse Gravel, trace Cobble & fine Sand	8.0		
8.0, 9.0, 10.0, 11.0, 12.0		Refusal at 8' Pre-probed to 10' to Collect GW Sample			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: 9'
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 10'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-9
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
		Ground Surface	0.0		
0.0		Light-Brown fine to coarse SAND, trace fine to coarse Gravel & Silt	0.3		
1.0, 2.0, 3.0		Brown fine to medium SAND, little Silt, trace Cobble & Cinders (FILL, moist)	4.0	0.8	Macro Core 0'-4'
4.0, 5.0		Orange-Brown SILT, little fine to coarse Gravel, trace fine to medium Sand & Cobble	6.0		
6.0, 7.0		Dark-Brown SILT, little fine to coarse Gravel, trace Cobble & fine Sand	8.0	0.1	Macro Core 4'-8'
8.0, 9.0, 10.0, 11.0, 12.0		End of Boring at 8'			

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Geoprobe 540U
Boring Depth: 8'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-10
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Dark-Brown to Brown fine to medium SAND, little Silt, trace Cobble	2.0	0.6	Hand Auger 0'-2'
2.0					
3.0					
4.0					
5.0					
6.0		Refusal at 2'			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Hand Auger
Boring Depth: 2'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-11
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Dark-Brown to Brown fine to medium SAND, little Silt, trace Cobble	2.0	1.0	Hand Auger 0'-2'
2.0					
3.0					
4.0					
5.0					
6.0		Refusal at 2'			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Hand Auger
Boring Depth: 2'
Page: 1 of 1

SOIL BORING LOG

Project: East Main Street Over Beaver Brook
Boring: GP-12
Location: Bridge 2448 - Waterbury, CT
Inspector: M. Bazzano
Client: Maguire Group Inc.
Date: 6-7-12

Logical Environmental Solutions
354 South River Road
Tolland, CT 06084
Truck, Portable & ATV/Backhoe-Mounted Geoprobes

Depth (feet)	Symbol	Description	Depth (feet)	PID (ppm)	Sample Interval
0.0		Ground Surface	0.0		
1.0		Dark-Brown to Brown fine to medium SAND, little Silt, trace Cobble	2.0	0.3	Hand Auger 0'-2'
2.0					
3.0					
4.0					
5.0					
6.0		Refusal at 2'			
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					

Soil Description: and = 35-50% some = 20-35% little = 10-20% trace = 1-10%

Driller: C. Knight
Depth to Water: Dry
Boring Dia.: 2"
Rig: Hand Auger
Boring Depth: 2'
Page: 1 of 1

APPENDIX B
Laboratory Reports

Premier
Laboratory, Inc

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

ANALYTICAL DATA REPORT

prepared for:

Maguire Group Inc.
2080 Silas Deane Highway
Rocky Hill, CT 06067
Jane Witherell

Report Number: E206479
Project: E. Main St. over Beaver Brook

Received Date: 06/08/2012
Report Date: 06/20/2012

Premier Laboratory, Inc
Authorized Signature

Certified and Compliant with:
CT (PH-0465), EPA (CT00008), MA (M-CT008), ME (CT0050), NH (2020), NJ (CT007), NY (11549), PA (68-04413), RI (LAO00300), UCMR2 (CT00008), VT (VT11549)

101-000000340050

Premier
Laboratory, Inc

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

REASONABLE CONFIDENCE PROTOCOL

LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Premier Laboratory, Inc ***Client:*** E. Main St. over Beaver Brook

Project Location: Waterbury, CT ***Project Number:*** E206479

Laboratory Sample ID(s): E206479-1-18 ***Sampling Date(s):*** 6/7/2012-6/7/2012

List RCP Methods Used (e.g., 8260, 8270, et cetera) E206479-1-18

1	For each analytical method referenced in this laboratory report package,were all specified QA/QC performance criteria followed(including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents)?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	***VPH and EPH Methods only:*** Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature(<6º Cº)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	☐ Yes ☑ No ☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature: R. Warila **Position:** Laboratory Director

Printed Name: Ronald Warila **Date:** 6/20/2012

Name of Laboratory: Premier Laboratory, Inc.

This certification form is to be used for RCP methods only.

Premier
Laboratory, Inc

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E206479
Client: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

Premier Laboratory, Inc received 18 samples from Maguire Group, Inc on 06/08/2012. The samples were analyzed for the following list of analyses:

Connecticut ETPH
ETPH[ETPH]
PCB's by 8082 in GW/SW
8082[3500]
Semivolatiles by 8270C for GW/SW
8270C[3500]
Trace RCRA (8) Heavy Metals in Solids
6010B[3000], 7471[7471]
Mercury by 7470 in GW
7470A[245.1]
SPLP Metals by SW-846
6010B[3000], 7470A[245.1]
Trace Metals by 6010B
6010B[3000]
Volatiles by 8260B (GA/GW-1/S-1)
8260B

The requested compound list is not inclusive of all of the RCP Target Analytes for Method 6010B.

Non-Conformances:

Work Order:

None

Sample:

Sample 16C, GP-8 GW: The RPD for Lead was outside the expected range. The concentration in the sample was less than five times the reporting limit.

Analysis:

Sample 10B, GP-7 4'-8', Volatiles by 8260B (GA/GW-1/S-1): One internal standard was below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still below the limits.

Sample 11B, GP-8 2'-4', Volatiles by 8260B (GA/GW-1/S-1): One surrogate spike was above quality control limits for the sample, due to matrix interference. The sample was re-analyzed and the surrogate was still above control limits.

Sample 12A, GP-9 2'-4', Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 12B, GP-9 2'-4', Volatiles by 8260B (GA/GW-1/S-1): One surrogate spike was above quality control limits for the sample, due to matrix interference. The sample was re-analyzed and the surrogate was still above control limits.

Sample 12B, GP-9 2'-4', Volatiles by 8260B (GA/GW-1/S-1): Three internal standard areas were below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standards were still below the limits.

Premier
Laboratory, Inc

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E206479
Client: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

Non-Conformances:

Analysis:

Sample 13A, GP-10 0'-2', Connecticut ETPH: The sample required a dilution which effectively diluted out the surrogate components.

Sample 13A, GP-10 0'-2', Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 14A, GP-11 0'-2', Connecticut ETPH: The sample required a dilution which effectively diluted out the surrogate components.

Sample 16B, GP-8 GW, Volatiles by 8260B (GA/GW-1/S-1): Several compound recoveries for the matrix spike/ matrix spike duplicate were outside of the established control limits due to matrix interference. The associated LCS recoveries were within the established quality control limits.

Sample 1B, SED-1, Volatiles by 8260B (GA/GW-1/S-1): One internal standard was below quality control limits for the sample due to matrix interference.

Sample 4B, GP-1 0'-2', Volatiles by 8260B (GA/GW-1/S-1): One surrogate spike was above quality control limits for the sample, due to matrix interference. The sample was re-analyzed and the surrogate was still above control limits.

Sample 5B, GP-2 0'-2', Volatiles by 8260B (GA/GW-1/S-1): One surrogate spike was above quality control limits for the sample, due to matrix interference. The sample was re-analyzed and the surrogate was still above control limits.

Sample 6B, GP-3 4'-8', Volatiles by 8260B (GA/GW-1/S-1): Two internal standard areas were below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standards were still below the limits.

Sample 6B, GP-3 4'-8', Volatiles by 8260B (GA/GW-1/S-1): Two surrogate spikes were outside quality control limits for the sample, due to matrix interference. The sample was re-analyzed and the surrogates were still outside control limits.

Sample 7A, GP-4 2'-4', Connecticut ETPH: One surrogate spike was outside quality control limits for the sample due to matrix interference.

Sample 7A, GP-4 2'-4', Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 7B, GP-4 2'-4', Volatiles by 8260B (GA/GW-1/S-1): One surrogate spike was above quality control limits for the sample, due to matrix interference. The sample was re-analyzed and the surrogate was still above control limits.

Premier
Laboratory, Inc

61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

Report No: E206479
Client: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

Non-Conformances:

Analysis:

Sample 8B, GP-5 2'-4', Volatiles by 8260B (GA/GW-1/S-1): One internal standard was below quality control limits for the sample due to matrix interference. The sample was re-analyzed and the internal standard was still below the limits.

Sample 9A, GP-6 0'-2', Semivolatiles by SW-846 8270C: One internal standard was below quality control limits for the sample due to matrix interference.

Sample 9B, GP-6 0'-2', Volatiles by 8260B (GA/GW-1/S-1): One surrogate spike was above quality control limits for the sample, due to matrix interference. The sample was re-analyzed and the surrogate was still above control limits.

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(1) SED-1						
Date Collected: 06/07/2012 06:43	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 14:45	AJR	
Barium	ND	0.25	mg/L	06/18/2012 14:45	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 14:45	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 14:45	AJR	
Lead	ND	0.040	mg/L	06/18/2012 14:45	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 14:45	AJR	
Silver	ND	0.020	mg/L	06/18/2012 14:45	AJR	
Trace Metals by 6010B						
Arsenic	1.6	0.32	mg/kg	06/11/2012 13:26	NJB	
Barium	40	0.65	mg/kg	06/11/2012 13:26	NJB	
Cadmium	0.83	0.13	mg/kg	06/11/2012 13:26	NJB	
Chromium	7.2	0.13	mg/kg	06/11/2012 13:26	NJB	
Lead	21	0.13	mg/kg	06/11/2012 13:26	NJB	
Selenium	ND	0.32	mg/kg	06/11/2012 13:26	NJB	
Silver	ND	0.13	mg/kg	06/11/2012 13:26	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	ND	0.026	mg/kg	06/13/2012 13:15	AJR	
(2) SED-2						
Date Collected: 06/07/2012 06:58	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 14:48	AJR	
Barium	ND	0.25	mg/L	06/18/2012 14:48	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 14:48	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 14:48	AJR	
Lead	ND	0.040	mg/L	06/18/2012 14:48	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 14:48	AJR	
Silver	ND	0.020	mg/L	06/18/2012 14:48	AJR	
Trace Metals by 6010B						
Arsenic	1.2	0.32	mg/kg	06/11/2012 13:29	NJB	
Barium	31	0.63	mg/kg	06/11/2012 13:29	NJB	
Cadmium	0.65	0.13	mg/kg	06/11/2012 13:29	NJB	
Chromium	6.7	0.13	mg/kg	06/11/2012 13:29	NJB	
Lead	19	0.13	mg/kg	06/11/2012 13:29	NJB	
Selenium	ND	0.32	mg/kg	06/11/2012 13:29	NJB	
Silver	ND	0.13	mg/kg	06/11/2012 13:29	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	ND	0.025	mg/kg	06/13/2012 11:49	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(3) SED-3						
Date Collected: 06/07/2012 15:00	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 14:51	AJR	
Barium	ND	0.25	mg/L	06/18/2012 14:51	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 14:51	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 14:51	AJR	
Lead	ND	0.040	mg/L	06/18/2012 14:51	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 14:51	AJR	
Silver	ND	0.020	mg/L	06/18/2012 14:51	AJR	
Trace Metals by 6010B						
Arsenic	1.8	0.29	mg/kg	06/11/2012 13:44	NJB	
Barium	58	0.58	mg/kg	06/11/2012 13:44	NJB	
Cadmium	0.77	0.12	mg/kg	06/11/2012 13:44	NJB	
Chromium	12	0.12	mg/kg	06/11/2012 13:44	NJB	
Lead	52	0.12	mg/kg	06/11/2012 13:44	NJB	
Selenium	ND	0.29	mg/kg	06/11/2012 13:44	NJB	
Silver	ND	0.12	mg/kg	06/11/2012 13:44	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.030	0.023	mg/kg	06/13/2012 11:49	AJR	
(4) GP-1 0'-2'						
Date Collected: 06/07/2012 08:15	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 14:54	AJR	
Barium	ND	0.25	mg/L	06/18/2012 14:54	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 14:54	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 14:54	AJR	
Lead	0.11	0.040	mg/L	06/18/2012 14:54	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 14:54	AJR	
Silver	ND	0.020	mg/L	06/18/2012 14:54	AJR	
Trace Metals by 6010B						
Arsenic	1.3	0.29	mg/kg	06/11/2012 13:47	NJB	
Barium	40	0.59	mg/kg	06/11/2012 13:47	NJB	
Cadmium	0.63	0.12	mg/kg	06/11/2012 13:47	NJB	
Chromium	10	0.12	mg/kg	06/11/2012 13:47	NJB	
Lead	98	0.12	mg/kg	06/11/2012 13:47	NJB	
Selenium	ND	0.29	mg/kg	06/11/2012 13:47	NJB	
Silver	ND	0.12	mg/kg	06/11/2012 13:47	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	ND	0.024	mg/kg	06/13/2012 11:49	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(5) GP-2 0'-2'						
Date Collected: 06/07/2012 07:40	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 14:57	AJR	
Barium	ND	0.25	mg/L	06/18/2012 14:57	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 14:57	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 14:57	AJR	
Lead	ND	0.040	mg/L	06/18/2012 14:57	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 14:57	AJR	
Silver	ND	0.020	mg/L	06/18/2012 14:57	AJR	
Trace Metals by 6010B						
Arsenic	1.1	0.29	mg/kg	06/11/2012 13:50	NJB	
Barium	32	0.58	mg/kg	06/11/2012 13:50	NJB	
Cadmium	0.60	0.12	mg/kg	06/11/2012 13:50	NJB	
Chromium	13	0.12	mg/kg	06/11/2012 13:50	NJB	
Lead	120	0.12	mg/kg	06/11/2012 13:50	NJB	
Selenium	ND	0.29	mg/kg	06/11/2012 13:50	NJB	
Silver	ND	0.12	mg/kg	06/11/2012 13:50	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	ND	0.023	mg/kg	06/13/2012 11:49	AJR	
(6) GP-3 4'-8'						
Date Collected: 06/07/2012 09:05	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:00	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:00	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:00	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:00	AJR	
Lead	ND	0.040	mg/L	06/18/2012 15:00	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:00	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:00	AJR	
Trace Metals by 6010B						
Arsenic	1.7	0.35	mg/kg	06/11/2012 13:53	NJB	
Barium	54	0.69	mg/kg	06/11/2012 13:53	NJB	
Cadmium	0.86	0.14	mg/kg	06/11/2012 13:53	NJB	
Chromium	14	0.14	mg/kg	06/11/2012 13:53	NJB	
Lead	21	0.14	mg/kg	06/11/2012 13:53	NJB	
Selenium	ND	0.35	mg/kg	06/11/2012 13:53	NJB	
Silver	ND	0.14	mg/kg	06/11/2012 13:53	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.060	0.028	mg/kg	06/13/2012 11:49	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(7) GP-4 2'-4'						
Date Collected: 06/07/2012 09:45	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:03	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:03	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:03	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:03	AJR	
Lead	0.12	0.040	mg/L	06/18/2012 15:03	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:03	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:03	AJR	
Trace Metals by 6010B						
Arsenic	2.2	0.29	mg/kg	06/11/2012 13:55	NJB	
Barium	54	0.59	mg/kg	06/11/2012 13:55	NJB	
Cadmium	0.91	0.12	mg/kg	06/11/2012 13:55	NJB	
Chromium	12	0.12	mg/kg	06/11/2012 13:55	NJB	
Lead	120	0.12	mg/kg	06/11/2012 13:55	NJB	
Selenium	ND	0.29	mg/kg	06/11/2012 13:55	NJB	
Silver	ND	0.12	mg/kg	06/11/2012 13:55	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.026	0.024	mg/kg	06/13/2012 11:49	AJR	
(8) GP-5 2'-4'						
Date Collected: 06/07/2012 10:20	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:16	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:16	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:16	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:16	AJR	
Lead	0.11	0.040	mg/L	06/18/2012 15:16	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:16	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:16	AJR	
Trace Metals by 6010B						
Arsenic	2.1	0.28	mg/kg	06/11/2012 13:58	NJB	
Barium	69	0.57	mg/kg	06/11/2012 13:58	NJB	
Cadmium	0.92	0.11	mg/kg	06/11/2012 13:58	NJB	
Chromium	16	0.11	mg/kg	06/11/2012 13:58	NJB	
Lead	40	0.11	mg/kg	06/11/2012 13:58	NJB	
Selenium	ND	0.28	mg/kg	06/11/2012 13:58	NJB	
Silver	ND	0.11	mg/kg	06/11/2012 13:58	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.028	0.023	mg/kg	06/13/2012 11:49	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(9) GP-6 0'-2'						
Date Collected: 06/07/2012 13:05	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:19	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:19	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:19	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:19	AJR	
Lead	0.12	0.040	mg/L	06/18/2012 15:19	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:19	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:19	AJR	
Trace Metals by 6010B						
Arsenic	1.6	0.29	mg/kg	06/11/2012 14:01	NJB	
Barium	45	0.58	mg/kg	06/11/2012 14:01	NJB	
Cadmium	0.81	0.12	mg/kg	06/11/2012 14:01	NJB	
Chromium	11	0.12	mg/kg	06/11/2012 14:01	NJB	
Lead	73	0.12	mg/kg	06/11/2012 14:01	NJB	
Selenium	ND	0.29	mg/kg	06/11/2012 14:01	NJB	
Silver	ND	0.12	mg/kg	06/11/2012 14:01	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.039	0.023	mg/kg	06/13/2012 11:49	AJR	
(10) GP-7 4'-8'						
Date Collected: 06/07/2012 10:50	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:22	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:22	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:22	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:22	AJR	
Lead	ND	0.040	mg/L	06/18/2012 15:22	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:22	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:22	AJR	
Trace Metals by 6010B						
Arsenic	1.3	0.28	mg/kg	06/11/2012 14:04	NJB	
Barium	44	0.57	mg/kg	06/11/2012 14:04	NJB	
Cadmium	0.46	0.11	mg/kg	06/11/2012 14:04	NJB	
Chromium	10	0.11	mg/kg	06/11/2012 14:04	NJB	
Lead	7.4	0.11	mg/kg	06/11/2012 14:04	NJB	
Selenium	ND	0.28	mg/kg	06/11/2012 14:04	NJB	
Silver	ND	0.11	mg/kg	06/11/2012 14:04	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.050	0.023	mg/kg	06/13/2012 11:49	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(11) GP-8 2'-4'						
Date Collected: 06/07/2012 11:09	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:25	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:25	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:25	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:25	AJR	
Lead	0.11	0.040	mg/L	06/18/2012 15:25	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:25	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:25	AJR	
Trace Metals by 6010B						
Arsenic	2.4	0.29	mg/kg	06/11/2012 14:07	NJB	
Barium	62	0.57	mg/kg	06/11/2012 14:07	NJB	
Cadmium	0.82	0.11	mg/kg	06/11/2012 14:07	NJB	
Chromium	9.5	0.11	mg/kg	06/11/2012 14:07	NJB	
Lead	50	0.11	mg/kg	06/11/2012 14:07	NJB	
Selenium	ND	0.29	mg/kg	06/11/2012 14:07	NJB	
Silver	ND	0.11	mg/kg	06/11/2012 14:07	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.024	0.023	mg/kg	06/13/2012 11:49	AJR	
(12) GP-9 2'-4'						
Date Collected: 06/07/2012 12:35	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:29	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:29	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:29	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:29	AJR	
Lead	0.075	0.040	mg/L	06/18/2012 15:29	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:29	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:29	AJR	
Trace Metals by 6010B						
Arsenic	1.8	0.29	mg/kg	06/11/2012 14:10	NJB	
Barium	39	0.57	mg/kg	06/11/2012 14:10	NJB	
Cadmium	0.93	0.11	mg/kg	06/11/2012 14:10	NJB	
Chromium	12	0.11	mg/kg	06/11/2012 14:10	NJB	
Lead	56	0.11	mg/kg	06/11/2012 14:10	NJB	
Selenium	ND	0.29	mg/kg	06/11/2012 14:10	NJB	
Silver	ND	0.11	mg/kg	06/11/2012 14:10	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.026	0.023	mg/kg	06/13/2012 11:49	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(13) GP-10 0'-2'						
Date Collected: 06/07/2012 13:40	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:32	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:32	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:32	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:32	AJR	
Lead	ND	0.040	mg/L	06/18/2012 15:32	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:32	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:32	AJR	
Trace Metals by 6010B						
Arsenic	1.7	0.30	mg/kg	06/11/2012 14:19	NJB	
Barium	45	0.59	mg/kg	06/11/2012 14:19	NJB	
Cadmium	0.82	0.12	mg/kg	06/11/2012 14:19	NJB	
Chromium	16	0.12	mg/kg	06/11/2012 14:19	NJB	
Lead	74	0.12	mg/kg	06/11/2012 14:19	NJB	
Selenium	ND	0.30	mg/kg	06/11/2012 14:19	NJB	
Silver	ND	0.12	mg/kg	06/11/2012 14:19	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.036	0.024	mg/kg	06/13/2012 11:49	AJR	
(14) GP-11 0'-2'						
Date Collected: 06/07/2012 14:05	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:38	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:38	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:38	AJR	
Chromium	ND	0.024	mg/L	06/18/2012 15:38	AJR	
Lead	ND	0.040	mg/L	06/18/2012 15:38	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:38	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:38	AJR	
Trace Metals by 6010B						
Arsenic	1.6	0.27	mg/kg	06/11/2012 13:09	NJB	
Barium	48	0.55	mg/kg	06/11/2012 13:09	NJB	
Cadmium	0.74	0.11	mg/kg	06/11/2012 13:09	NJB	
Chromium	9.3	0.11	mg/kg	06/11/2012 13:09	NJB	
Lead	23	0.11	mg/kg	06/11/2012 13:09	NJB	
Selenium	ND	0.27	mg/kg	06/11/2012 13:09	NJB	
Silver	ND	0.11	mg/kg	06/11/2012 13:09	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	ND	0.022	mg/kg	06/13/2012 11:49	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(15) GP-12 0'-2'						
Date Collected: 06/07/2012 14:40	**Matrix: Solid**					
Metals by ICP by SW-846 6010B, SPLP						
Arsenic	ND	0.10	mg/L	06/18/2012 15:35	AJR	
Barium	ND	0.25	mg/L	06/18/2012 15:35	AJR	
Cadmium	ND	0.010	mg/L	06/18/2012 15:35	AJR	
Chromium	0.024	0.024	mg/L	06/18/2012 15:35	AJR	
Lead	ND	0.040	mg/L	06/18/2012 15:35	AJR	
Selenium	ND	0.10	mg/L	06/18/2012 15:35	AJR	
Silver	ND	0.020	mg/L	06/18/2012 15:35	AJR	
Trace Metals by 6010B						
Arsenic	1.7	0.30	mg/kg	06/11/2012 14:22	NJB	
Barium	51	0.59	mg/kg	06/11/2012 14:22	NJB	
Cadmium	0.76	0.12	mg/kg	06/11/2012 14:22	NJB	
Chromium	14	0.12	mg/kg	06/11/2012 14:22	NJB	
Lead	6.4	0.12	mg/kg	06/11/2012 14:22	NJB	
Selenium	2.4	0.30	mg/kg	06/15/2012 13:16	AJR	
Silver	ND	0.12	mg/kg	06/11/2012 14:22	NJB	
Mercury by SW-846 7470A in GW, SPLP	ND	0.00020	mg/L	06/15/2012 13:50	NJB	
Mercury by SW-846 7471 in SW	0.046	0.024	mg/kg	06/13/2012 11:49	AJR	
(16) GP-8 GW						
Date Collected: 06/07/2012 12:00	**Matrix: Aqueous**					
Trace Metals by 6010B, Dissolved						
Arsenic	ND	0.0051	mg/L	06/13/2012 14:19	NJB	
Barium	0.013	0.010	mg/L	06/13/2012 14:19	NJB	
Cadmium	ND	0.0020	mg/L	06/13/2012 14:19	NJB	
Chromium	0.017	0.0020	mg/L	06/13/2012 14:19	NJB	
Lead	ND	0.0020	mg/L	06/20/2012 09:41	AJR	
Selenium	ND	0.0051	mg/L	06/13/2012 14:19	NJB	
Silver	ND	0.0020	mg/L	06/13/2012 14:19	NJB	
Trace Metals by 6010B						
Arsenic	ND	0.0050	mg/L	06/14/2012 14:28	AJR	
Barium	0.044	0.010	mg/L	06/14/2012 14:28	AJR	
Cadmium	ND	0.0020	mg/L	06/14/2012 14:28	AJR	
Chromium	0.0078	0.0020	mg/L	06/14/2012 14:28	AJR	
Lead	0.0062	0.0020	mg/L	06/20/2012 09:38	AJR	
Selenium	0.0090	0.0050	mg/L	06/14/2012 14:28	AJR	
Silver	ND	0.0020	mg/L	06/14/2012 14:28	AJR	
Mercury by SW-846 7470A in GW, Dissolved	ND	0.00020	mg/L	06/12/2012 12:34	AJR	
Mercury by SW-846 7470A in GW	ND	0.00020	mg/L	06/12/2012 12:34	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Date Received: 06/08/2012 12:35

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Parameter	Result	DL	Units	Completed	By	Dilution
(17) FB-1						
Date Collected: 06/07/2012 15:41	**Matrix: Aqueous**					
Trace Metals by 6010B, Dissolved						
Arsenic	ND	0.0051	mg/L	06/13/2012 14:22	NJB	
Barium	ND	0.010	mg/L	06/13/2012 14:22	NJB	
Cadmium	ND	0.0020	mg/L	06/13/2012 14:22	NJB	
Chromium	0.0073	0.0020	mg/L	06/13/2012 14:22	NJB	
Lead	ND	0.0020	mg/L	06/20/2012 09:47	AJR	
Selenium	ND	0.0051	mg/L	06/13/2012 14:22	NJB	
Silver	ND	0.0020	mg/L	06/13/2012 14:22	NJB	
Trace Metals by 6010B						
Arsenic	ND	0.0050	mg/L	06/14/2012 14:31	AJR	
Barium	ND	0.010	mg/L	06/14/2012 14:31	AJR	
Cadmium	ND	0.0020	mg/L	06/14/2012 14:31	AJR	
Chromium	ND	0.0020	mg/L	06/20/2012 09:44	AJR	
Lead	ND	0.0020	mg/L	06/14/2012 14:31	AJR	
Selenium	ND	0.0050	mg/L	06/14/2012 14:31	AJR	
Silver	ND	0.0020	mg/L	06/14/2012 14:31	AJR	
Mercury by SW-846 7470A in GW, Dissolved	ND	0.00020	mg/L	06/12/2012 12:34	AJR	
Mercury by SW-846 7470A in GW	ND	0.00020	mg/L	06/12/2012 12:34	AJR	

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 1
Sample Description: SED-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:43
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 16:06 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 23
Sample Weight/Volume: 30.10
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34797.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	350	ug/kg
83-32-9	Acenaphthene	ND	350	ug/kg
208-96-8	Acenaphthylene	ND	350	ug/kg
62-53-3	Aniline	ND	350	ug/kg
120-12-7	Anthracene	ND	350	ug/kg
92-52-4	Biphenyl	ND	350	ug/kg
56-55-3	Benzo[a]anthracene	850	350	ug/kg
50-32-8	Benzo[a]pyrene	920	350	ug/kg
205-99-2	Benzo[b]fluoranthene	1400	350	ug/kg
191-24-2	Benzo[g,h,i]perylene	450	350	ug/kg
207-08-9	Benzo[k]fluoranthene	520	350	ug/kg
65-85-0	Benzoic acid	ND	1700	ug/kg
100-51-6	Benzyl alcohol	ND	350	ug/kg
85-68-7	Benzyl butyl phthalate	ND	350	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	350	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	350	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	350	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	350	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	350	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	350	ug/kg
106-47-8	4-Chloroaniline	ND	350	ug/kg
91-58-7	2-Chloronaphthalene	ND	350	ug/kg
95-57-8	2-Chlorophenol	ND	350	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	350	ug/kg
218-01-9	Chrysene	1100	350	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	350	ug/kg
84-74-2	Di-n-butyl phthalate	ND	350	ug/kg
117-84-0	Di-n-octyl phthalate	ND	350	ug/kg
132-64-9	Dibenzofuran	ND	350	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	350	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	350	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	350	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	350	ug/kg
120-83-2	2,4-Dichlorophenol	ND	350	ug/kg
84-66-2	Diethyl phthalate	ND	350	ug/kg
131-11-3	Dimethyl phthalate	ND	350	ug/kg
105-67-9	2,4-Dimethylphenol	ND	350	ug/kg
51-28-5	2,4-Dinitrophenol	ND	350	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	350	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	350	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 1
Sample Description: SED-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:43
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 16:06 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 23
Sample Weight/Volume: 30.10
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34797.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	2400	350	ug/kg
86-73-7	Fluorene	ND	350	ug/kg
118-74-1	Hexachlorobenzene	ND	350	ug/kg
87-68-3	Hexachlorobutadiene	ND	350	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	350	ug/kg
67-72-1	Hexachloroethane	ND	350	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	490	350	ug/kg
78-59-1	Isophorone	ND	350	ug/kg
91-57-6	2-Methylnaphthalene	ND	350	ug/kg
95-48-7	2-Methylphenol	ND	350	ug/kg
108-39-4	3- & 4-Methylphenols	ND	350	ug/kg
91-20-3	Naphthalene	ND	350	ug/kg
88-74-4	2-Nitroaniline	ND	690	ug/kg
99-09-2	3-Nitroaniline	ND	350	ug/kg
100-01-6	4-Nitroaniline	ND	350	ug/kg
98-95-3	Nitrobenzene	ND	350	ug/kg
88-75-5	2-Nitrophenol	ND	350	ug/kg
100-02-1	4-Nitrophenol	ND	350	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	350	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	350	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	350	ug/kg
87-86-5	Pentachlorophenol	ND	350	ug/kg
85-01-8	Phenanthrene	1200	350	ug/kg
108-95-2	Phenol	ND	350	ug/kg
129-00-0	Pyrene	2100	350	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	350	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	350	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	350	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	350	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	62%	10%-122%
2-Fluorobiphenyl	51%	10%-96%
2-Fluorophenol	39%	10%-95%
4-Terphenyl-d14	71%	20%-149%
Nitrobenzene-d5	48%	10%-98%
Phenol-d6	43%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 1
Sample Description: SED-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:43
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/15/2012 10:38 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 23
Sample Weight/Volume: 30.10
Dilution Factor: 2
Extract Volume: 1
Lab Data File: 6061503.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	210	8.6	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	63%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 1
Sample Description: SED-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:43
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 13:27 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 23
Sample Weight/Volume: 30.30
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061905.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	17	ug/kg
11104-28-2	Aroclor 1221	ND	17	ug/kg
11141-16-5	Aroclor 1232	ND	17	ug/kg
53469-21-9	Aroclor 1242	ND	17	ug/kg
12672-29-6	Aroclor 1248	ND	17	ug/kg
11097-69-1	Aroclor 1254	ND	17	ug/kg
11096-82-5	Aroclor 1260	ND	17	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	68%	30%-150%
Decachlorobiphenyl	87%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 1
Sample Description: SED-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:43
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 12:32 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 23
Dilution Factor: 1
Lab Data File: J48279.D;J48304.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	22	13	ug/kg
107-13-1	Acrylonitrile	ND	6.7	ug/kg
71-43-2	Benzene	ND	6.7	ug/kg
108-86-1	Bromobenzene	ND	6.7	ug/kg
74-97-5	Bromochloromethane	ND	6.7	ug/kg
75-27-4	Bromodichloromethane	ND	6.7	ug/kg
75-25-2	Bromoform	ND	6.7	ug/kg
74-83-9	Bromomethane	ND	6.7	ug/kg
78-93-3	2-Butanone (MEK)	ND	13	ug/kg
104-51-8	n-Butylbenzene	ND	6.7	ug/kg
135-98-8	sec-Butylbenzene	ND	6.7	ug/kg
98-06-6	tert-Butylbenzene	ND	6.7	ug/kg
75-15-0	Carbon disulfide	ND	6.7	ug/kg
56-23-5	Carbon tetrachloride	ND	6.7	ug/kg
108-90-7	Chlorobenzene	ND	6.7	ug/kg
75-00-3	Chloroethane	ND	6.7	ug/kg
67-66-3	Chloroform	ND	6.7	ug/kg
74-87-3	Chloromethane	ND	6.7	ug/kg
95-49-8	2-Chlorotoluene	ND	6.7	ug/kg
106-43-4	4-Chlorotoluene	ND	6.7	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.7	ug/kg
124-48-1	Dibromochloromethane	ND	6.7	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	6.7	ug/kg
74-95-3	Dibromomethane	ND	6.7	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	6.7	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	6.7	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	6.7	ug/kg
75-71-8	Dichlorodifluoromethane	ND	6.7	ug/kg
75-34-3	1,1-Dichloroethane	ND	6.7	ug/kg
107-06-2	1,2-Dichloroethane	ND	6.7	ug/kg
75-35-4	1,1-Dichloroethene	ND	6.7	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	6.7	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	6.7	ug/kg
78-87-5	1,2-Dichloropropane	ND	6.7	ug/kg
142-28-9	1,3-Dichloropropane	ND	6.7	ug/kg
594-20-7	2,2-Dichloropropane	ND	6.7	ug/kg
563-58-6	1,1-Dichloropropene	ND	6.7	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	ug/kg
60-29-7	Diethyl ether	ND	6.7	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 1
Sample Description: SED-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:43
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 12:32 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 23
Dilution Factor: 1
Lab Data File: J48279.D;J48304.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	27	ug/kg
100-41-4	Ethylbenzene	ND	6.7	ug/kg
87-68-3	Hexachlorobutadiene	ND	6.7	ug/kg
591-78-6	2-Hexanone	ND	13	ug/kg
98-82-8	Isopropylbenzene	ND	6.7	ug/kg
99-87-6	4-Isopropyltoluene	ND	6.7	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	6.7	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	13	ug/kg
75-09-2	Methylene chloride	ND	6.7	ug/kg
91-20-3	Naphthalene	ND	6.7	ug/kg
103-65-1	n-Propylbenzene	ND	6.7	ug/kg
100-42-5	Styrene	ND	6.7	ug/kg
109-99-9	Tetrahydrofuran	ND	6.7	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.7	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.7	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	6.7	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.7	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	6.7	ug/kg
108-88-3	Toluene	ND	6.7	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	6.7	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	6.7	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	6.7	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	6.7	ug/kg
79-01-6	Trichloroethene (TCE)	ND	6.7	ug/kg
75-69-4	Trichlorofluoromethane	ND	6.7	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	6.7	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	6.7	ug/kg
75-01-4	Vinyl chloride	ND	6.7	ug/kg
95-47-6	o-Xylene	ND	6.7	ug/kg
108-38-3	m,p-Xylenes	ND	13	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	114%	82%-120%
Bromofluorobenzene	79%	70%-122%
Toluene-d8	111%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 2
Sample Description: SED-2

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:58
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 16:35 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 21
Sample Weight/Volume: 30.15
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34798.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	340	ug/kg
83-32-9	Acenaphthene	ND	340	ug/kg
208-96-8	Acenaphthylene	ND	340	ug/kg
62-53-3	Aniline	ND	340	ug/kg
120-12-7	Anthracene	ND	340	ug/kg
92-52-4	Biphenyl	ND	340	ug/kg
56-55-3	Benzo[a]anthracene	710	340	ug/kg
50-32-8	Benzo[a]pyrene	740	340	ug/kg
205-99-2	Benzo[b]fluoranthene	1200	340	ug/kg
191-24-2	Benzo[g,h,i]perylene	ND	340	ug/kg
207-08-9	Benzo[k]fluoranthene	410	340	ug/kg
65-85-0	Benzoic acid	ND	1700	ug/kg
100-51-6	Benzyl alcohol	ND	340	ug/kg
85-68-7	Benzyl butyl phthalate	ND	340	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	340	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	340	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	340	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	340	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	340	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	340	ug/kg
106-47-8	4-Chloroaniline	ND	340	ug/kg
91-58-7	2-Chloronaphthalene	ND	340	ug/kg
95-57-8	2-Chlorophenol	ND	340	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	340	ug/kg
218-01-9	Chrysene	960	340	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	340	ug/kg
84-74-2	Di-n-butyl phthalate	ND	340	ug/kg
117-84-0	Di-n-octyl phthalate	ND	340	ug/kg
132-64-9	Dibenzofuran	ND	340	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	340	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	340	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	340	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	340	ug/kg
120-83-2	2,4-Dichlorophenol	ND	340	ug/kg
84-66-2	Diethyl phthalate	ND	340	ug/kg
131-11-3	Dimethyl phthalate	ND	340	ug/kg
105-67-9	2,4-Dimethylphenol	ND	340	ug/kg
51-28-5	2,4-Dinitrophenol	ND	340	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	340	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	340	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 2
Sample Description: SED-2

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:58
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 16:35 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 21
Sample Weight/Volume: 30.15
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34798.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	1800	340	ug/kg
86-73-7	Fluorene	ND	340	ug/kg
118-74-1	Hexachlorobenzene	ND	340	ug/kg
87-68-3	Hexachlorobutadiene	ND	340	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	340	ug/kg
67-72-1	Hexachloroethane	ND	340	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	420	340	ug/kg
78-59-1	Isophorone	ND	340	ug/kg
91-57-6	2-Methylnaphthalene	ND	340	ug/kg
95-48-7	2-Methylphenol	ND	340	ug/kg
108-39-4	3- & 4-Methylphenols	ND	670	ug/kg
91-20-3	Naphthalene	ND	340	ug/kg
88-74-4	2-Nitroaniline	ND	340	ug/kg
99-09-2	3-Nitroaniline	ND	340	ug/kg
100-01-6	4-Nitroaniline	ND	340	ug/kg
98-95-3	Nitrobenzene	ND	340	ug/kg
88-75-5	2-Nitrophenol	ND	340	ug/kg
100-02-1	4-Nitrophenol	ND	340	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	340	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	340	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	340	ug/kg
87-86-5	Pentachlorophenol	ND	340	ug/kg
85-01-8	Phenanthrene	870	340	ug/kg
108-95-2	Phenol	ND	340	ug/kg
129-00-0	Pyrene	1700	340	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	340	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	340	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	340	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	340	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	56%	10%-122%
2-Fluorobiphenyl	48%	10%-96%
2-Fluorophenol	31%	10%-95%
4-Terphenyl-d14	64%	20%-149%
Nitrobenzene-d5	42%	10%-98%
Phenol-d6	41%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 2
Sample Description: SED-2

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:58
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/19/2012 19:43 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 21
Sample Weight/Volume: 30.00
Dilution Factor: 4
Extract Volume: 1
Lab Data File: 6061918.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	230	17	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	81%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 2
Sample Description: SED-2

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:58
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 13:47 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 21
Sample Weight/Volume: 30.25
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061906.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	17	ug/kg
11104-28-2	Aroclor 1221	ND	17	ug/kg
11141-16-5	Aroclor 1232	ND	17	ug/kg
53469-21-9	Aroclor 1242	ND	17	ug/kg
12672-29-6	Aroclor 1248	ND	17	ug/kg
11097-69-1	Aroclor 1254	ND	17	ug/kg
11096-82-5	Aroclor 1260	ND	17	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	65%	30%-150%
Decachlorobiphenyl	88%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 2
Sample Description: SED-2

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:58
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 13:03 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 21
Dilution Factor: 1
Lab Data File: J48280.D;J48305.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	29	13	ug/kg
107-13-1	Acrylonitrile	ND	6.3	ug/kg
71-43-2	Benzene	ND	6.3	ug/kg
108-86-1	Bromobenzene	ND	6.3	ug/kg
74-97-5	Bromochloromethane	ND	6.3	ug/kg
75-27-4	Bromodichloromethane	ND	6.3	ug/kg
75-25-2	Bromoform	ND	6.3	ug/kg
74-83-9	Bromomethane	ND	6.3	ug/kg
78-93-3	2-Butanone (MEK)	ND	13	ug/kg
104-51-8	n-Butylbenzene	ND	6.3	ug/kg
135-98-8	sec-Butylbenzene	ND	6.3	ug/kg
98-06-6	tert-Butylbenzene	ND	6.3	ug/kg
75-15-0	Carbon disulfide	ND	6.3	ug/kg
56-23-5	Carbon tetrachloride	ND	6.3	ug/kg
108-90-7	Chlorobenzene	ND	6.3	ug/kg
75-00-3	Chloroethane	ND	6.3	ug/kg
67-66-3	Chloroform	ND	6.3	ug/kg
74-87-3	Chloromethane	ND	6.3	ug/kg
95-49-8	2-Chlorotoluene	ND	6.3	ug/kg
106-43-4	4-Chlorotoluene	ND	6.3	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.3	ug/kg
124-48-1	Dibromochloromethane	ND	6.3	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	6.3	ug/kg
74-95-3	Dibromomethane	ND	6.3	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	6.3	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	6.3	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	6.3	ug/kg
75-71-8	Dichlorodifluoromethane	ND	6.3	ug/kg
75-34-3	1,1-Dichloroethane	ND	6.3	ug/kg
107-06-2	1,2-Dichloroethane	ND	6.3	ug/kg
75-35-4	1,1-Dichloroethene	ND	6.3	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	6.3	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	6.3	ug/kg
78-87-5	1,2-Dichloropropane	ND	6.3	ug/kg
142-28-9	1,3-Dichloropropane	ND	6.3	ug/kg
594-20-7	2,2-Dichloropropane	ND	6.3	ug/kg
563-58-6	1,1-Dichloropropene	ND	6.3	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	ug/kg
60-29-7	Diethyl ether	ND	6.3	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 2
Sample Description: SED-2

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 06:58
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 13:03 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 21
Dilution Factor: 1
Lab Data File: J48280.D;J48305.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	25	ug/kg
100-41-4	Ethylbenzene	ND	6.3	ug/kg
87-68-3	Hexachlorobutadiene	ND	6.3	ug/kg
591-78-6	2-Hexanone	ND	13	ug/kg
98-82-8	Isopropylbenzene	ND	6.3	ug/kg
99-87-6	4-Isopropyltoluene	ND	6.3	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	6.3	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	13	ug/kg
75-09-2	Methylene chloride	ND	6.3	ug/kg
91-20-3	Naphthalene	ND	6.3	ug/kg
103-65-1	n-Propylbenzene	ND	6.3	ug/kg
100-42-5	Styrene	ND	6.3	ug/kg
109-99-9	Tetrahydrofuran	ND	6.3	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.3	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.3	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	6.3	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.3	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	6.3	ug/kg
108-88-3	Toluene	ND	6.3	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	6.3	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	6.3	ug/kg
79-01-6	Trichloroethene (TCE)	ND	6.3	ug/kg
75-69-4	Trichlorofluoromethane	ND	6.3	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	6.3	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	6.3	ug/kg
75-01-4	Vinyl chloride	ND	6.3	ug/kg
95-47-6	o-Xylene	ND	6.3	ug/kg
108-38-3	m,p-Xylenes	ND	13	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	114%	82%-120%
Bromofluorobenzene	83%	70%-122%
Toluene-d8	104%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 3
Sample Description: SED-3

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:00
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 17:03 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.05
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34799.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	310	ug/kg
83-32-9	Acenaphthene	ND	310	ug/kg
208-96-8	Acenaphthylene	750	310	ug/kg
62-53-3	Aniline	ND	310	ug/kg
120-12-7	Anthracene	1700	310	ug/kg
92-52-4	Biphenyl	ND	310	ug/kg
56-55-3	Benzo[a]anthracene	8700	310	ug/kg
50-32-8	Benzo[a]pyrene	7300	310	ug/kg
205-99-2	Benzo[b]fluoranthene	9900	310	ug/kg
191-24-2	Benzo[g,h,i]perylene	2200	310	ug/kg
207-08-9	Benzo[k]fluoranthene	4300	310	ug/kg
65-85-0	Benzoic acid	ND	1500	ug/kg
100-51-6	Benzyl alcohol	ND	310	ug/kg
85-68-7	Benzyl butyl phthalate	ND	310	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	310	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	310	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	310	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	310	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	310	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	310	ug/kg
106-47-8	4-Chloroaniline	ND	310	ug/kg
91-58-7	2-Chloronaphthalene	ND	310	ug/kg
95-57-8	2-Chlorophenol	ND	310	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	310	ug/kg
218-01-9	Chrysene	7900	310	ug/kg
53-70-3	Dibenz[a,h]anthracene	840	310	ug/kg
84-74-2	Di-n-butyl phthalate	ND	310	ug/kg
117-84-0	Di-n-octyl phthalate	ND	310	ug/kg
132-64-9	Dibenzofuran	ND	310	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	310	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	310	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	310	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	310	ug/kg
120-83-2	2,4-Dichlorophenol	ND	310	ug/kg
84-66-2	Diethyl phthalate	ND	310	ug/kg
131-11-3	Dimethyl phthalate	ND	310	ug/kg
105-67-9	2,4-Dimethylphenol	ND	310	ug/kg
51-28-5	2,4-Dinitrophenol	ND	310	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	310	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	310	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 3
Sample Description: SED-3

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:00
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 17:03 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.05
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34799.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	14000	310	ug/kg
86-73-7	Fluorene	470	310	ug/kg
118-74-1	Hexachlorobenzene	ND	310	ug/kg
87-68-3	Hexachlorobutadiene	ND	310	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	310	ug/kg
67-72-1	Hexachloroethane	ND	310	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	3300	310	ug/kg
78-59-1	Isophorone	ND	310	ug/kg
91-57-6	2-Methylnaphthalene	ND	310	ug/kg
95-48-7	2-Methylphenol	ND	31	ug/kg
108-39-4	3- & 4-Methylphenols	ND	620	ug/kg
91-20-3	Naphthalene	ND	310	ug/kg
88-74-4	2-Nitroaniline	ND	310	ug/kg
99-09-2	3-Nitroaniline	ND	310	ug/kg
100-01-6	4-Nitroaniline	ND	310	ug/kg
98-95-3	Nitrobenzene	ND	310	ug/kg
88-75-5	2-Nitrophenol	ND	310	ug/kg
100-02-1	4-Nitrophenol	ND	310	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	310	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	310	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	310	ug/kg
87-86-5	Pentachlorophenol	ND	310	ug/kg
85-01-8	Phenanthrene	5600	310	ug/kg
108-95-2	Phenol	ND	310	ug/kg
129-00-0	Pyrene	12000	310	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	310	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	310	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	310	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	58%	10%-122%
2-Fluorobiphenyl	63%	10%-96%
2-Fluorophenol	36%	10%-95%
4-Terphenyl-d14	65%	20%-149%
Nitrobenzene-d5	48%	10%-98%
Phenol-d6	47%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 3
Sample Description: SED-3

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:00
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/19/2012 20:05 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.06
Dilution Factor: 2
Extract Volume: 1
Lab Data File: 6061919.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	110	7.7	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	73%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 3
Sample Description: SED-3

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:00
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 14:06 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.10
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061907.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	15	ug/kg
11104-28-2	Aroclor 1221	ND	15	ug/kg
11141-16-5	Aroclor 1232	ND	15	ug/kg
53469-21-9	Aroclor 1242	ND	15	ug/kg
12672-29-6	Aroclor 1248	ND	15	ug/kg
11097-69-1	Aroclor 1254	ND	15	ug/kg
11096-82-5	Aroclor 1260	ND	15	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	67%	30%-150%
Decachlorobiphenyl	102%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 3
Sample Description: SED-3

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:00
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 15:27 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 14
Dilution Factor: 1
Lab Data File: J48285.D;J48306.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	11	ug/kg
107-13-1	Acrylonitrile	ND	5.7	ug/kg
71-43-2	Benzene	ND	5.7	ug/kg
108-86-1	Bromobenzene	ND	5.7	ug/kg
74-97-5	Bromochloromethane	ND	5.7	ug/kg
75-27-4	Bromodichloromethane	ND	5.7	ug/kg
75-25-2	Bromoform	ND	5.7	ug/kg
74-83-9	Bromomethane	ND	5.7	ug/kg
78-93-3	2-Butanone (MEK)	ND	11	ug/kg
104-51-8	n-Butylbenzene	ND	5.7	ug/kg
135-98-8	sec-Butylbenzene	ND	5.7	ug/kg
98-06-6	tert-Butylbenzene	ND	5.7	ug/kg
75-15-0	Carbon disulfide	ND	5.7	ug/kg
56-23-5	Carbon tetrachloride	ND	5.7	ug/kg
108-90-7	Chlorobenzene	ND	5.7	ug/kg
75-00-3	Chloroethane	ND	5.7	ug/kg
67-66-3	Chloroform	ND	5.7	ug/kg
74-87-3	Chloromethane	ND	5.7	ug/kg
95-49-8	2-Chlorotoluene	ND	5.7	ug/kg
106-43-4	4-Chlorotoluene	ND	5.7	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.7	ug/kg
124-48-1	Dibromochloromethane	ND	5.7	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.7	ug/kg
74-95-3	Dibromomethane	ND	5.7	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.7	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.7	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.7	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.7	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.7	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.7	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.7	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.7	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.7	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.7	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.7	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.7	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.7	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	ug/kg
60-29-7	Diethyl ether	ND	5.7	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 3
Sample Description: SED-3

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:00
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 15:27 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 14
Dilution Factor: 1
Lab Data File: J48285.D;J48306.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	23	ug/kg
100-41-4	Ethylbenzene	ND	5.7	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.7	ug/kg
591-78-6	2-Hexanone	ND	11	ug/kg
98-82-8	Isopropylbenzene	ND	5.7	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.7	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.7	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg
75-09-2	Methylene chloride	ND	5.7	ug/kg
91-20-3	Naphthalene	ND	5.7	ug/kg
103-65-1	n-Propylbenzene	ND	5.7	ug/kg
100-42-5	Styrene	ND	5.7	ug/kg
109-99-9	Tetrahydrofuran	ND	5.7	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.7	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.7	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.7	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.7	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.7	ug/kg
108-88-3	Toluene	ND	5.7	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.7	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.7	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.7	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.7	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.7	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.7	ug/kg
75-01-4	Vinyl chloride	ND	5.7	ug/kg
95-47-6	o-Xylene	ND	5.7	ug/kg
108-38-3	m,p-Xylenes	ND	11	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	112%	82%-120%
Bromofluorobenzene	86%	70%-122%
Toluene-d8	103%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 4
Sample Description: GP-1 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 08:15
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 17:33 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.20
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34800.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	310	ug/kg
83-32-9	Acenaphthene	ND	310	ug/kg
208-96-8	Acenaphthylene	310	310	ug/kg
62-53-3	Aniline	ND	310	ug/kg
120-12-7	Anthracene	ND	310	ug/kg
92-52-4	Biphenyl	ND	310	ug/kg
56-55-3	Benzo[a]anthracene	1400	310	ug/kg
50-32-8	Benzo[a]pyrene	1500	310	ug/kg
205-99-2	Benzo[b]fluoranthene	2300	310	ug/kg
191-24-2	Benzo[g,h,i]perylene	630	310	ug/kg
207-08-9	Benzo[k]fluoranthene	960	310	ug/kg
65-85-0	Benzoic acid	ND	1600	ug/kg
100-51-6	Benzyl alcohol	ND	310	ug/kg
85-68-7	Benzyl butyl phthalate	ND	310	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	310	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	310	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	310	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	310	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	310	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	310	ug/kg
106-47-8	4-Chloroaniline	ND	310	ug/kg
91-58-7	2-Chloronaphthalene	ND	310	ug/kg
95-57-8	2-Chlorophenol	ND	310	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	310	ug/kg
218-01-9	Chrysene	1800	310	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	310	ug/kg
84-74-2	Di-n-butyl phthalate	ND	310	ug/kg
117-84-0	Di-n-octyl phthalate	ND	310	ug/kg
132-64-9	Dibenzofuran	ND	310	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	310	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	310	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	310	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	310	ug/kg
120-83-2	2,4-Dichlorophenol	ND	310	ug/kg
84-66-2	Diethyl phthalate	ND	310	ug/kg
131-11-3	Dimethyl phthalate	ND	310	ug/kg
105-67-9	2,4-Dimethylphenol	ND	310	ug/kg
51-28-5	2,4-Dinitrophenol	ND	310	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	310	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	310	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 4
Sample Description: GP-1 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 08:15
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 17:33 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.20
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34800.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	3500	310	ug/kg
86-73-7	Fluorene	ND	310	ug/kg
118-74-1	Hexachlorobenzene	ND	310	ug/kg
87-68-3	Hexachlorobutadiene	ND	310	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	310	ug/kg
67-72-1	Hexachloroethane	ND	310	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	680	310	ug/kg
78-59-1	Isophorone	ND	310	ug/kg
91-57-6	2-Methylnaphthalene	ND	310	ug/kg
95-48-7	2-Methylphenol	ND	310	ug/kg
108-39-4	3- & 4-Methylphenols	ND	620	ug/kg
91-20-3	Naphthalene	ND	310	ug/kg
88-74-4	2-Nitroaniline	ND	310	ug/kg
99-09-2	3-Nitroaniline	ND	310	ug/kg
100-01-6	4-Nitroaniline	ND	310	ug/kg
98-95-3	Nitrobenzene	ND	310	ug/kg
88-75-5	2-Nitrophenol	ND	310	ug/kg
100-02-1	4-Nitrophenol	ND	310	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	310	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	310	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	310	ug/kg
87-86-5	Pentachlorophenol	ND	310	ug/kg
85-01-8	Phenanthrene	2000	310	ug/kg
108-95-2	Phenol	ND	310	ug/kg
129-00-0	Pyrene	3500	310	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	310	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	310	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	310	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	47%	10%-122%
2-Fluorobiphenyl	50%	10%-96%
2-Fluorophenol	36%	10%-95%
4-Terphenyl-d14	57%	20%-149%
Nitrobenzene-d5	43%	10%-98%
Phenol-d6	37%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 4
Sample Description: GP-1 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 08:15
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/19/2012 11:12 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.04
Dilution Factor: 5
Extract Volume: 1
Lab Data File: 6061903.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	500	20	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	94%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 4
Sample Description: GP-1 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 08:15
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 15:12 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 15
Dilution Factor: 1
Lab Data File: J48307.D;J48286.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	13	ug/kg
107-13-1	Acrylonitrile	ND	6.4	ug/kg
71-43-2	Benzene	ND	6.4	ug/kg
108-86-1	Bromobenzene	ND	6.4	ug/kg
74-97-5	Bromochloromethane	ND	6.4	ug/kg
75-27-4	Bromodichloromethane	ND	6.4	ug/kg
75-25-2	Bromoform	ND	6.4	ug/kg
74-83-9	Bromomethane	ND	6.4	ug/kg
78-93-3	2-Butanone (MEK)	ND	13	ug/kg
104-51-8	n-Butylbenzene	ND	6.4	ug/kg
135-98-8	sec-Butylbenzene	ND	6.4	ug/kg
98-06-6	tert-Butylbenzene	ND	6.4	ug/kg
75-15-0	Carbon disulfide	ND	6.4	ug/kg
56-23-5	Carbon tetrachloride	ND	6.4	ug/kg
108-90-7	Chlorobenzene	ND	6.4	ug/kg
75-00-3	Chloroethane	ND	6.4	ug/kg
67-66-3	Chloroform	ND	6.4	ug/kg
74-87-3	Chloromethane	ND	6.4	ug/kg
95-49-8	2-Chlorotoluene	ND	6.4	ug/kg
106-43-4	4-Chlorotoluene	ND	6.4	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.4	ug/kg
124-48-1	Dibromochloromethane	ND	6.4	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	6.4	ug/kg
74-95-3	Dibromomethane	ND	6.4	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	6.4	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	6.4	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	6.4	ug/kg
75-71-8	Dichlorodifluoromethane	ND	6.4	ug/kg
75-34-3	1,1-Dichloroethane	ND	6.4	ug/kg
107-06-2	1,2-Dichloroethane	ND	6.4	ug/kg
75-35-4	1,1-Dichloroethene	ND	6.4	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	6.4	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	6.4	ug/kg
78-87-5	1,2-Dichloropropane	ND	6.4	ug/kg
142-28-9	1,3-Dichloropropane	ND	6.4	ug/kg
594-20-7	2,2-Dichloropropane	ND	6.4	ug/kg
563-58-6	1,1-Dichloropropene	ND	6.4	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	ug/kg
60-29-7	Diethyl ether	ND	6.4	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 4
Sample Description: GP-1 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 08:15
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 15:12 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 15
Dilution Factor: 1
Lab Data File: J48307.D;J48286.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	25	ug/kg
100-41-4	Ethylbenzene	ND	6.4	ug/kg
87-68-3	Hexachlorobutadiene	ND	6.4	ug/kg
591-78-6	2-Hexanone	ND	13	ug/kg
98-82-8	Isopropylbenzene	ND	6.4	ug/kg
99-87-6	4-Isopropyltoluene	ND	6.4	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	6.4	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	13	ug/kg
75-09-2	Methylene chloride	ND	6.4	ug/kg
91-20-3	Naphthalene	ND	6.4	ug/kg
103-65-1	n-Propylbenzene	ND	6.4	ug/kg
100-42-5	Styrene	ND	6.4	ug/kg
109-99-9	Tetrahydrofuran	ND	6.4	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.4	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.4	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	6.4	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.4	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	6.4	ug/kg
108-88-3	Toluene	ND	6.4	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	6.4	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	6.4	ug/kg
79-01-6	Trichloroethene (TCE)	ND	6.4	ug/kg
75-69-4	Trichlorofluoromethane	ND	6.4	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	6.4	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	6.4	ug/kg
75-01-4	Vinyl chloride	ND	6.4	ug/kg
95-47-6	o-Xylene	ND	6.4	ug/kg
108-38-3	m,p-Xylenes	ND	13	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	121%	82%-120%
Bromofluorobenzene	80%	70%-122%
Toluene-d8	105%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 5
Sample Description: GP-2 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 07:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 18:01 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.10
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34801.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	310	ug/kg
83-32-9	Acenaphthene	ND	310	ug/kg
208-96-8	Acenaphthylene	ND	310	ug/kg
62-53-3	Aniline	ND	310	ug/kg
120-12-7	Anthracene	ND	310	ug/kg
92-52-4	Biphenyl	ND	310	ug/kg
56-55-3	Benzo[a]anthracene	710	310	ug/kg
50-32-8	Benzo[a]pyrene	780	310	ug/kg
205-99-2	Benzo[b]fluoranthene	1500	310	ug/kg
191-24-2	Benzo[g,h,i]perylene	380	310	ug/kg
207-08-9	Benzo[k]fluoranthene	500	310	ug/kg
65-85-0	Benzoic acid	ND	1600	ug/kg
100-51-6	Benzyl alcohol	ND	310	ug/kg
85-68-7	Benzyl butyl phthalate	ND	310	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	310	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	310	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	310	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	320	310	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	310	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	310	ug/kg
106-47-8	4-Chloroaniline	ND	310	ug/kg
91-58-7	2-Chloronaphthalene	ND	310	ug/kg
95-57-8	2-Chlorophenol	ND	310	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	310	ug/kg
218-01-9	Chrysene	920	310	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	310	ug/kg
84-74-2	Di-n-butyl phthalate	ND	310	ug/kg
117-84-0	Di-n-octyl phthalate	ND	31	ug/kg
132-64-9	Dibenzofuran	ND	310	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	310	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	310	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	310	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	310	ug/kg
120-83-2	2,4-Dichlorophenol	ND	310	ug/kg
84-66-2	Diethyl phthalate	ND	310	ug/kg
131-11-3	Dimethyl phthalate	ND	310	ug/kg
105-67-9	2,4-Dimethylphenol	ND	310	ug/kg
51-28-5	2,4-Dinitrophenol	ND	310	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	310	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	310	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 5
Sample Description: GP-2 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 07:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 18:01 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.10
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34801.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	1800	310	ug/kg
86-73-7	Fluorene	ND	310	ug/kg
118-74-1	Hexachlorobenzene	ND	310	ug/kg
87-68-3	Hexachlorobutadiene	ND	310	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	310	ug/kg
67-72-1	Hexachloroethane	ND	310	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	460	310	ug/kg
78-59-1	Isophorone	ND	310	ug/kg
91-57-6	2-Methylnaphthalene	ND	310	ug/kg
95-48-7	2-Methylphenol	ND	310	ug/kg
108-39-4	3- & 4-Methylphenols	ND	620	ug/kg
91-20-3	Naphthalene	ND	310	ug/kg
88-74-4	2-Nitroaniline	ND	310	ug/kg
99-09-2	3-Nitroaniline	ND	310	ug/kg
100-01-6	4-Nitroaniline	ND	310	ug/kg
98-95-3	Nitrobenzene	ND	310	ug/kg
88-75-5	2-Nitrophenol	ND	310	ug/kg
100-02-1	4-Nitrophenol	ND	310	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	310	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	310	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	310	ug/kg
87-86-5	Pentachlorophenol	ND	310	ug/kg
85-01-8	Phenanthrene	850	310	ug/kg
108-95-2	Phenol	ND	310	ug/kg
129-00-0	Pyrene	1900	310	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	310	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	310	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	310	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	84%	10%-122%
2-Fluorobiphenyl	69%	10%-96%
2-Fluorophenol	52%	10%-95%
4-Terphenyl-d14	94%	20%-149%
Nitrobenzene-d5	57%	10%-98%
Phenol-d6	59%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 5
Sample Description: GP-2 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 07:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/19/2012 11:34 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.10
Dilution Factor: 2
Extract Volume: 1
Lab Data File: 6061904.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	150	7.8	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	61%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 5
Sample Description: GP-2 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 07:40
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 15:39 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 14
Dilution Factor: 1
Lab Data File: J48308.D;J48287.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	12	ug/kg
107-13-1	Acrylonitrile	ND	5.8	ug/kg
71-43-2	Benzene	ND	5.8	ug/kg
108-86-1	Bromobenzene	ND	5.8	ug/kg
74-97-5	Bromochloromethane	ND	5.8	ug/kg
75-27-4	Bromodichloromethane	ND	5.8	ug/kg
75-25-2	Bromoform	ND	5.8	ug/kg
74-83-9	Bromomethane	ND	5.8	ug/kg
78-93-3	2-Butanone (MEK)	ND	12	ug/kg
104-51-8	n-Butylbenzene	ND	5.8	ug/kg
135-98-8	sec-Butylbenzene	ND	5.8	ug/kg
98-06-6	tert-Butylbenzene	ND	5.8	ug/kg
75-15-0	Carbon disulfide	ND	5.8	ug/kg
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg
108-90-7	Chlorobenzene	ND	5.8	ug/kg
75-00-3	Chloroethane	ND	5.8	ug/kg
67-66-3	Chloroform	ND	5.8	ug/kg
74-87-3	Chloromethane	ND	5.8	ug/kg
95-49-8	2-Chlorotoluene	ND	5.8	ug/kg
106-43-4	4-Chlorotoluene	ND	5.8	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.8	ug/kg
124-48-1	Dibromochloromethane	ND	5.8	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.8	ug/kg
74-95-3	Dibromomethane	ND	5.8	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.8	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.8	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.8	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.8	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.8	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.8	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.8	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg
60-29-7	Diethyl ether	ND	5.8	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 5
Sample Description: GP-2 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 07:40
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 15:39 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 14
Dilution Factor: 1
Lab Data File: J48308.D;J48287.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	23	ug/kg
100-41-4	Ethylbenzene	ND	5.8	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.8	ug/kg
591-78-6	2-Hexanone	ND	12	ug/kg
98-82-8	Isopropylbenzene	ND	5.8	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.8	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.8	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	12	ug/kg
75-09-2	Methylene chloride	ND	5.8	ug/kg
91-20-3	Naphthalene	ND	5.8	ug/kg
103-65-1	n-Propylbenzene	ND	5.8	ug/kg
100-42-5	Styrene	ND	5.8	ug/kg
109-99-9	Tetrahydrofuran	ND	5.8	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.8	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.8	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.8	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.8	ug/kg
108-88-3	Toluene	ND	5.8	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.8	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.8	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	ug/kg
75-01-4	Vinyl chloride	ND	5.8	ug/kg
95-47-6	o-Xylene	ND	5.8	ug/kg
108-38-3	m,p-Xylenes	ND	12	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	122%	82%-120%
Bromofluorobenzene	78%	70%-122%
Toluene-d8	107%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 6
Sample Description: GP-3 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 15:09 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 28
Sample Weight/Volume: 30.10
Dilution Factor: 4
Extract Volume: 1
Lab Data File: L34795.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	180	ug/kg
83-32-9	Acenaphthene	ND	180	ug/kg
208-96-8	Acenaphthylene	ND	180	ug/kg
62-53-3	Aniline	ND	180	ug/kg
120-12-7	Anthracene	ND	180	ug/kg
92-52-4	Biphenyl	ND	180	ug/kg
56-55-3	Benzo[a]anthracene	ND	180	ug/kg
50-32-8	Benzo[a]pyrene	ND	180	ug/kg
205-99-2	Benzo[b]fluoranthene	ND	180	ug/kg
191-24-2	Benzo[g,h,i]perylene	ND	180	ug/kg
207-08-9	Benzo[k]fluoranthene	ND	180	ug/kg
65-85-0	Benzoic acid	ND	920	ug/kg
100-51-6	Benzyl alcohol	ND	180	ug/kg
85-68-7	Benzyl butyl phthalate	ND	180	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	180	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	180	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	180	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	180	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	180	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	180	ug/kg
106-47-8	4-Chloroaniline	ND	180	ug/kg
91-58-7	2-Chloronaphthalene	ND	180	ug/kg
95-57-8	2-Chlorophenol	ND	180	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	180	ug/kg
218-01-9	Chrysene	ND	180	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	180	ug/kg
84-74-2	Di-n-butyl phthalate	ND	180	ug/kg
117-84-0	Di-n-octyl phthalate	ND	180	ug/kg
132-64-9	Dibenzofuran	ND	180	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	180	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	180	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	180	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	180	ug/kg
120-83-2	2,4-Dichlorophenol	ND	180	ug/kg
84-66-2	Diethyl phthalate	ND	180	ug/kg
131-11-3	Dimethyl phthalate	ND	180	ug/kg
105-67-9	2,4-Dimethylphenol	ND	180	ug/kg
51-28-5	2,4-Dinitrophenol	ND	180	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	180	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	180	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 6
Sample Description: GP-3 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 15:09 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 28
Sample Weight/Volume: 30.10
Dilution Factor: 4
Extract Volume: 1
Lab Data File: L34795.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	240	180	ug/kg
86-73-7	Fluorene	ND	180	ug/kg
118-74-1	Hexachlorobenzene	ND	180	ug/kg
87-68-3	Hexachlorobutadiene	ND	180	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	180	ug/kg
67-72-1	Hexachloroethane	ND	180	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	ND	180	ug/kg
78-59-1	Isophorone	ND	180	ug/kg
91-57-6	2-Methylnaphthalene	ND	180	ug/kg
95-48-7	2-Methylphenol	ND	180	ug/kg
108-39-4	3- & 4-Methylphenols	ND	370	ug/kg
91-20-3	Naphthalene	ND	180	ug/kg
88-74-4	2-Nitroaniline	ND	180	ug/kg
99-09-2	3-Nitroaniline	ND	180	ug/kg
100-01-6	4-Nitroaniline	ND	180	ug/kg
98-95-3	Nitrobenzene	ND	180	ug/kg
88-75-5	2-Nitrophenol	ND	180	ug/kg
100-02-1	4-Nitrophenol	ND	180	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	180	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	180	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	180	ug/kg
87-86-5	Pentachlorophenol	ND	180	ug/kg
85-01-8	Phenanthrene	ND	180	ug/kg
108-95-2	Phenol	ND	180	ug/kg
129-00-0	Pyrene	200	180	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	180	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	180	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	180	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	180	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	38%	10%-122%
2-Fluorobiphenyl	29%	10%-96%
2-Fluorophenol	25%	10%-95%
4-Terphenyl-d14	44%	20%-149%
Nitrobenzene-d5	27%	10%-98%
Phenol-d6	26%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 6
Sample Description: GP-3 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/14/2012 12:20 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 28
Sample Weight/Volume: 30.01
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6061409.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	69	4.6	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	56%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 6
Sample Description: GP-3 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:05
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 16:50 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 28
Dilution Factor: 1
Lab Data File: J48288.D;J48309.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	14	ug/kg
107-13-1	Acrylonitrile	ND	7.0	ug/kg
71-43-2	Benzene	ND	7.0	ug/kg
108-86-1	Bromobenzene	ND	7.0	ug/kg
74-97-5	Bromochloromethane	ND	7.0	ug/kg
75-27-4	Bromodichloromethane	ND	7.0	ug/kg
75-25-2	Bromoform	ND	7.0	ug/kg
74-83-9	Bromomethane	ND	7.0	ug/kg
78-93-3	2-Butanone (MEK)	ND	14	ug/kg
104-51-8	n-Butylbenzene	ND	7.0	ug/kg
135-98-8	sec-Butylbenzene	ND	7.0	ug/kg
98-06-6	tert-Butylbenzene	ND	7.0	ug/kg
75-15-0	Carbon disulfide	ND	7.0	ug/kg
56-23-5	Carbon tetrachloride	ND	7.0	ug/kg
108-90-7	Chlorobenzene	ND	7.0	ug/kg
75-00-3	Chloroethane	ND	7.0	ug/kg
67-66-3	Chloroform	ND	7.0	ug/kg
74-87-3	Chloromethane	ND	7.0	ug/kg
95-49-8	2-Chlorotoluene	ND	7.0	ug/kg
106-43-4	4-Chlorotoluene	ND	7.0	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	7.0	ug/kg
124-48-1	Dibromochloromethane	ND	7.0	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	7.0	ug/kg
74-95-3	Dibromomethane	ND	7.0	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	7.0	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	7.0	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	7.0	ug/kg
75-71-8	Dichlorodifluoromethane	ND	7.0	ug/kg
75-34-3	1,1-Dichloroethane	ND	7.0	ug/kg
107-06-2	1,2-Dichloroethane	ND	7.0	ug/kg
75-35-4	1,1-Dichloroethene	ND	7.0	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	7.0	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	7.0	ug/kg
78-87-5	1,2-Dichloropropane	ND	7.0	ug/kg
142-28-9	1,3-Dichloropropane	ND	7.0	ug/kg
594-20-7	2,2-Dichloropropane	ND	7.0	ug/kg
563-58-6	1,1-Dichloropropene	ND	7.0	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	ug/kg
60-29-7	Diethyl ether	ND	7.0	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 6
Sample Description: GP-3 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:05
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 16:50 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 28
Dilution Factor: 1
Lab Data File: J48288.D;J48309.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	28	ug/kg
100-41-4	Ethylbenzene	ND	7.0	ug/kg
87-68-3	Hexachlorobutadiene	ND	7.0	ug/kg
591-78-6	2-Hexanone	ND	14	ug/kg
98-82-8	Isopropylbenzene	ND	7.0	ug/kg
99-87-6	4-Isopropyltoluene	ND	7.0	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	7.0	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	14	ug/kg
75-09-2	Methylene chloride	ND	7.0	ug/kg
91-20-3	Naphthalene	ND	7.0	ug/kg
103-65-1	n-Propylbenzene	ND	7.0	ug/kg
100-42-5	Styrene	ND	7.0	ug/kg
109-99-9	Tetrahydrofuran	ND	7.0	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	7.0	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	7.0	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	7.0	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	7.0	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	7.0	ug/kg
108-88-3	Toluene	ND	7.0	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	7.0	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	7.0	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	7.0	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	7.0	ug/kg
79-01-6	Trichloroethene (TCE)	ND	7.0	ug/kg
75-69-4	Trichlorofluoromethane	ND	7.0	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	7.0	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	7.0	ug/kg
75-01-4	Vinyl chloride	ND	7.0	ug/kg
95-47-6	o-Xylene	ND	7.0	ug/kg
108-38-3	m,p-Xylenes	ND	14	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	113%	82%-120%
Bromofluorobenzene	65%	70%-122%
Toluene-d8	128%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 7
Sample Description: GP-4 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:45
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 18:30 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.00
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34802.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	310	ug/kg
83-32-9	Acenaphthene	ND	310	ug/kg
208-96-8	Acenaphthylene	550	310	ug/kg
62-53-3	Aniline	ND	310	ug/kg
120-12-7	Anthracene	380	310	ug/kg
92-52-4	Biphenyl	ND	310	ug/kg
56-55-3	Benzo[a]anthracene	2300	310	ug/kg
50-32-8	Benzo[a]pyrene	2600	310	ug/kg
205-99-2	Benzo[b]fluoranthene	4500	310	ug/kg
191-24-2	Benzo[g,h,i]perylene	1000	310	ug/kg
207-08-9	Benzo[k]fluoranthene	1700	310	ug/kg
65-85-0	Benzoic acid	ND	1600	ug/kg
100-51-6	Benzyl alcohol	ND	310	ug/kg
85-68-7	Benzyl butyl phthalate	ND	310	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	310	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	310	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	310	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	310	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	310	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	310	ug/kg
106-47-8	4-Chloroaniline	ND	310	ug/kg
91-58-7	2-Chloronaphthalene	ND	310	ug/kg
95-57-8	2-Chlorophenol	ND	310	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	310	ug/kg
218-01-9	Chrysene	2900	310	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	310	ug/kg
84-74-2	Di-n-butyl phthalate	ND	310	ug/kg
117-84-0	Di-n-octyl phthalate	ND	310	ug/kg
132-64-9	Dibenzofuran	ND	310	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	310	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	310	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	310	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	310	ug/kg
120-83-2	2,4-Dichlorophenol	ND	310	ug/kg
84-66-2	Diethyl phthalate	ND	310	ug/kg
131-11-3	Dimethyl phthalate	ND	310	ug/kg
105-67-9	2,4-Dimethylphenol	ND	310	ug/kg
51-28-5	2,4-Dinitrophenol	ND	310	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	310	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	310	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 7
Sample Description: GP-4 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:45
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 18:30 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.00
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34802.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	5300	310	ug/kg
86-73-7	Fluorene	ND	310	ug/kg
118-74-1	Hexachlorobenzene	ND	310	ug/kg
87-68-3	Hexachlorobutadiene	ND	310	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	310	ug/kg
67-72-1	Hexachloroethane	ND	310	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	1200	310	ug/kg
78-59-1	Isophorone	ND	310	ug/kg
91-57-6	2-Methylnaphthalene	ND	310	ug/kg
95-48-7	2-Methylphenol	ND	310	ug/kg
108-39-4	3- & 4-Methylphenols	ND	630	ug/kg
91-20-3	Naphthalene	ND	310	ug/kg
88-74-4	2-Nitroaniline	ND	310	ug/kg
99-09-2	3-Nitroaniline	ND	310	ug/kg
100-01-6	4-Nitroaniline	ND	310	ug/kg
98-95-3	Nitrobenzene	ND	310	ug/kg
88-75-5	2-Nitrophenol	ND	310	ug/kg
100-02-1	4-Nitrophenol	ND	310	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	310	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	310	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	310	ug/kg
87-86-5	Pentachlorophenol	ND	310	ug/kg
85-01-8	Phenanthrene	3100	310	ug/kg
108-95-2	Phenol	ND	310	ug/kg
129-00-0	Pyrene	6600	310	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	310	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	310	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	310	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	79%	10%-122%
2-Fluorobiphenyl	61%	10%-96%
2-Fluorophenol	38%	10%-95%
4-Terphenyl-d14	99%	20%-149%
Nitrobenzene-d5	49%	10%-98%
Phenol-d6	51%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 7
Sample Description: GP-4 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:45
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/19/2012 12:53 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.09
Dilution Factor: 2
Extract Volume: 1
Lab Data File: 6061906.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	190	7.8	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	35%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 7
Sample Description: GP-4 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:45
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 16:34 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 15
Dilution Factor: 1
Lab Data File: J48310.D;J48289.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	11	ug/kg
107-13-1	Acrylonitrile	ND	5.5	ug/kg
71-43-2	Benzene	ND	5.5	ug/kg
108-86-1	Bromobenzene	ND	5.5	ug/kg
74-97-5	Bromochloromethane	ND	5.5	ug/kg
75-27-4	Bromodichloromethane	ND	5.5	ug/kg
75-25-2	Bromoform	ND	5.5	ug/kg
74-83-9	Bromomethane	ND	5.5	ug/kg
78-93-3	2-Butanone (MEK)	ND	11	ug/kg
104-51-8	n-Butylbenzene	ND	5.5	ug/kg
135-98-8	sec-Butylbenzene	ND	5.5	ug/kg
98-06-6	tert-Butylbenzene	ND	5.5	ug/kg
75-15-0	Carbon disulfide	ND	5.5	ug/kg
56-23-5	Carbon tetrachloride	ND	5.5	ug/kg
108-90-7	Chlorobenzene	ND	5.5	ug/kg
75-00-3	Chloroethane	ND	5.5	ug/kg
67-66-3	Chloroform	ND	5.5	ug/kg
74-87-3	Chloromethane	ND	5.5	ug/kg
95-49-8	2-Chlorotoluene	ND	5.5	ug/kg
106-43-4	4-Chlorotoluene	ND	5.5	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.5	ug/kg
124-48-1	Dibromochloromethane	ND	5.5	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.5	ug/kg
74-95-3	Dibromomethane	ND	5.5	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.5	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.5	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.5	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.5	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.5	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.5	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.5	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.5	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.5	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.5	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.5	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.5	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.5	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	ug/kg
60-29-7	Diethyl ether	ND	5.5	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 7
Sample Description: GP-4 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 09:45
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 16:34 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 15
Dilution Factor: 1
Lab Data File: J48310.D;J48289.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	22	ug/kg
100-41-4	Ethylbenzene	ND	5.5	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.5	ug/kg
591-78-6	2-Hexanone	ND	11	ug/kg
98-82-8	Isopropylbenzene	ND	5.5	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.5	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.5	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg
75-09-2	Methylene chloride	ND	5.5	ug/kg
91-20-3	Naphthalene	ND	5.5	ug/kg
103-65-1	n-Propylbenzene	ND	5.5	ug/kg
100-42-5	Styrene	ND	5.5	ug/kg
109-99-9	Tetrahydrofuran	ND	5.5	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.5	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.5	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.5	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.5	ug/kg
108-88-3	Toluene	ND	5.5	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.5	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.5	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.5	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.5	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	ug/kg
75-01-4	Vinyl chloride	ND	5.5	ug/kg
95-47-6	o-Xylene	ND	5.5	ug/kg
108-38-3	m,p-Xylenes	ND	11	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	122%	82%-120%
Bromofluorobenzene	78%	70%-122%
Toluene-d8	110%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 8
Sample Description: GP-5 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:20
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/13/2012 11:39 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 12
Sample Weight/Volume: 30.15
Dilution Factor: 16
Extract Volume: 1
Lab Data File: L34821.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	600	ug/kg
83-32-9	Acenaphthene	ND	600	ug/kg
208-96-8	Acenaphthylene	2800	600	ug/kg
62-53-3	Aniline	ND	600	ug/kg
120-12-7	Anthracene	4000	600	ug/kg
92-52-4	Biphenyl	ND	600	ug/kg
56-55-3	Benzo[a]anthracene	18000	600	ug/kg
50-32-8	Benzo[a]pyrene	17000	600	ug/kg
205-99-2	Benzo[b]fluoranthene	27000	600	ug/kg
191-24-2	Benzo[g,h,i]perylene	4600	600	ug/kg
207-08-9	Benzo[k]fluoranthene	8500	600	ug/kg
65-85-0	Benzoic acid	ND	3000	ug/kg
100-51-6	Benzyl alcohol	ND	600	ug/kg
85-68-7	Benzyl butyl phthalate	ND	600	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	600	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	600	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	600	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	600	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	600	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	600	ug/kg
106-47-8	4-Chloroaniline	ND	600	ug/kg
91-58-7	2-Chloronaphthalene	ND	600	ug/kg
95-57-8	2-Chlorophenol	ND	600	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	600	ug/kg
218-01-9	Chrysene	16000	600	ug/kg
53-70-3	Dibenz[a,h]anthracene	1700	600	ug/kg
84-74-2	Di-n-butyl phthalate	ND	600	ug/kg
117-84-0	Di-n-octyl phthalate	ND	600	ug/kg
132-64-9	Dibenzofuran	870	600	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	600	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	600	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	600	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	600	ug/kg
120-83-2	2,4-Dichlorophenol	ND	600	ug/kg
84-66-2	Diethyl phthalate	ND	600	ug/kg
131-11-3	Dimethyl phthalate	ND	600	ug/kg
105-67-9	2,4-Dimethylphenol	ND	600	ug/kg
51-28-5	2,4-Dinitrophenol	ND	600	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	600	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	600	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 8
Sample Description: GP-5 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:20
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/13/2012 11:39 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 12
Sample Weight/Volume: 30.15
Dilution Factor: 16
Extract Volume: 1
Lab Data File: L34821.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	26000	600	ug/kg
86-73-7	Fluorene	1900	600	ug/kg
118-74-1	Hexachlorobenzene	ND	600	ug/kg
87-68-3	Hexachlorobutadiene	ND	600	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	600	ug/kg
67-72-1	Hexachloroethane	ND	600	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	6300	600	ug/kg
78-59-1	Isophorone	ND	600	ug/kg
91-57-6	2-Methylnaphthalene	710	600	ug/kg
95-48-7	2-Methylphenol	ND	600	ug/kg
108-39-4	3- & 4-Methylphenols	ND	1200	ug/kg
91-20-3	Naphthalene	650	600	ug/kg
88-74-4	2-Nitroaniline	ND	600	ug/kg
99-09-2	3-Nitroaniline	ND	600	ug/kg
100-01-6	4-Nitroaniline	ND	600	ug/kg
98-95-3	Nitrobenzene	ND	600	ug/kg
88-75-5	2-Nitrophenol	ND	600	ug/kg
100-02-1	4-Nitrophenol	ND	600	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	600	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	600	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	600	ug/kg
87-86-5	Pentachlorophenol	ND	600	ug/kg
85-01-8	Phenanthrene	12000	600	ug/kg
108-95-2	Phenol	ND	600	ug/kg
129-00-0	Pyrene	26000	600	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	600	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	600	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	600	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	600	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	66%	10%-122%
2-Fluorobiphenyl	69%	10%-96%
2-Fluorophenol	48%	10%-95%
4-Terphenyl-d14	80%	20%-149%
Nitrobenzene-d5	55%	10%-98%
Phenol-d6	56%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 8
Sample Description: GP-5 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:20
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/19/2012 13:16 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 12
Sample Weight/Volume: 30.06
Dilution Factor: 10
Extract Volume: 1
Lab Data File: 6061907.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	700	38	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	62%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 8
Sample Description: GP-5 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:20
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 17:49 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 12
Dilution Factor: 1
Lab Data File: J48290.D;J48311.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	12	ug/kg
107-13-1	Acrylonitrile	ND	5.8	ug/kg
71-43-2	Benzene	ND	5.8	ug/kg
108-86-1	Bromobenzene	ND	5.8	ug/kg
74-97-5	Bromochloromethane	ND	5.8	ug/kg
75-27-4	Bromodichloromethane	ND	5.8	ug/kg
75-25-2	Bromoform	ND	5.8	ug/kg
74-83-9	Bromomethane	ND	5.8	ug/kg
78-93-3	2-Butanone (MEK)	ND	12	ug/kg
104-51-8	n-Butylbenzene	ND	5.8	ug/kg
135-98-8	sec-Butylbenzene	ND	5.8	ug/kg
98-06-6	tert-Butylbenzene	ND	5.8	ug/kg
75-15-0	Carbon disulfide	ND	5.8	ug/kg
56-23-5	Carbon tetrachloride	ND	5.8	ug/kg
108-90-7	Chlorobenzene	ND	5.8	ug/kg
75-00-3	Chloroethane	ND	5.8	ug/kg
67-66-3	Chloroform	ND	5.8	ug/kg
74-87-3	Chloromethane	ND	5.8	ug/kg
95-49-8	2-Chlorotoluene	ND	5.8	ug/kg
106-43-4	4-Chlorotoluene	ND	5.8	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.8	ug/kg
124-48-1	Dibromochloromethane	ND	5.8	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.8	ug/kg
74-95-3	Dibromomethane	ND	5.8	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.8	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.8	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.8	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.8	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.8	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.8	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.8	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.8	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.8	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.8	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.8	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.8	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.8	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.8	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.8	ug/kg
60-29-7	Diethyl ether	ND	5.8	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 8
Sample Description: GP-5 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:20
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 17:49 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 12
Dilution Factor: 1
Lab Data File: J48290.D;J48311.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	23	ug/kg
100-41-4	Ethylbenzene	ND	5.8	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.8	ug/kg
591-78-6	2-Hexanone	ND	12	ug/kg
98-82-8	Isopropylbenzene	ND	5.8	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.8	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.8	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	12	ug/kg
75-09-2	Methylene chloride	ND	5.8	ug/kg
91-20-3	Naphthalene	120	5.8	ug/kg
103-65-1	n-Propylbenzene	ND	5.8	ug/kg
100-42-5	Styrene	ND	5.8	ug/kg
109-99-9	Tetrahydrofuran	ND	5.8	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.8	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.8	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.8	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.8	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.8	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.8	ug/kg
108-88-3	Toluene	ND	5.8	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.8	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.8	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.8	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.8	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.8	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.8	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.8	ug/kg
75-01-4	Vinyl chloride	ND	5.8	ug/kg
95-47-6	o-Xylene	ND	5.8	ug/kg
108-38-3	m,p-Xylenes	ND	12	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	110%	82%-120%
Bromofluorobenzene	76%	70%-122%
Toluene-d8	115%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 9
Sample Description: GP-6 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 19:28 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.05
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34804.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	310	ug/kg
83-32-9	Acenaphthene	ND	310	ug/kg
208-96-8	Acenaphthylene	320	310	ug/kg
62-53-3	Aniline	ND	310	ug/kg
120-12-7	Anthracene	ND	310	ug/kg
92-52-4	Biphenyl	ND	310	ug/kg
56-55-3	Benzo[a]anthracene	1300	310	ug/kg
50-32-8	Benzo[a]pyrene	1500	310	ug/kg
205-99-2	Benzo[b]fluoranthene	2100	310	ug/kg
191-24-2	Benzo[g,h,i]perylene	560	310	ug/kg
207-08-9	Benzo[k]fluoranthene	970	310	ug/kg
65-85-0	Benzoic acid	ND	1500	ug/kg
100-51-6	Benzyl alcohol	ND	310	ug/kg
85-68-7	Benzyl butyl phthalate	ND	310	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	310	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	310	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	310	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	310	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	310	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	310	ug/kg
106-47-8	4-Chloroaniline	ND	310	ug/kg
91-58-7	2-Chloronaphthalene	ND	310	ug/kg
95-57-8	2-Chlorophenol	ND	310	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	310	ug/kg
218-01-9	Chrysene	1700	310	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	310	ug/kg
84-74-2	Di-n-butyl phthalate	ND	310	ug/kg
117-84-0	Di-n-octyl phthalate	ND	310	ug/kg
132-64-9	Dibenzofuran	ND	310	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	310	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	310	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	310	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	310	ug/kg
120-83-2	2,4-Dichlorophenol	ND	310	ug/kg
84-66-2	Diethyl phthalate	ND	310	ug/kg
131-11-3	Dimethyl phthalate	ND	310	ug/kg
105-67-9	2,4-Dimethylphenol	ND	310	ug/kg
51-28-5	2,4-Dinitrophenol	ND	310	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	310	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	310	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 9
Sample Description: GP-6 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 19:28 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.05
Dilution Factor: 8
Extract Volume: 1
Lab Data File: L34804.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	3100	310	ug/kg
86-73-7	Fluorene	ND	310	ug/kg
118-74-1	Hexachlorobenzene	ND	310	ug/kg
87-68-3	Hexachlorobutadiene	ND	310	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	310	ug/kg
67-72-1	Hexachloroethane	ND	310	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	700	310	ug/kg
78-59-1	Isophorone	ND	310	ug/kg
91-57-6	2-Methylnaphthalene	ND	310	ug/kg
95-48-7	2-Methylphenol	ND	310	ug/kg
108-39-4	3- & 4-Methylphenols	ND	620	ug/kg
91-20-3	Naphthalene	ND	310	ug/kg
88-74-4	2-Nitroaniline	ND	310	ug/kg
99-09-2	3-Nitroaniline	ND	310	ug/kg
100-01-6	4-Nitroaniline	ND	310	ug/kg
98-95-3	Nitrobenzene	ND	310	ug/kg
88-75-5	2-Nitrophenol	ND	310	ug/kg
100-02-1	4-Nitrophenol	ND	310	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	310	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	310	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	310	ug/kg
87-86-5	Pentachlorophenol	ND	310	ug/kg
85-01-8	Phenanthrene	1700	310	ug/kg
108-95-2	Phenol	ND	310	ug/kg
129-00-0	Pyrene	3500	310	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	310	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	310	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	310	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	310	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	74%	10%-122%
2-Fluorobiphenyl	60%	10%-96%
2-Fluorophenol	42%	10%-95%
4-Terphenyl-d14	89%	20%-149%
Nitrobenzene-d5	46%	10%-98%
Phenol-d6	48%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 9
Sample Description: GP-6 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/19/2012 13:38 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 14
Sample Weight/Volume: 30.11
Dilution Factor: 2
Extract Volume: 1
Lab Data File: 6061908.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	170	7.7	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	58%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 9
Sample Description: GP-6 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:05
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 17:28 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 14
Dilution Factor: 1
Lab Data File: J48312.D;J48291.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	11	ug/kg
107-13-1	Acrylonitrile	ND	5.6	ug/kg
71-43-2	Benzene	ND	5.6	ug/kg
108-86-1	Bromobenzene	ND	5.6	ug/kg
74-97-5	Bromochloromethane	ND	5.6	ug/kg
75-27-4	Bromodichloromethane	ND	5.6	ug/kg
75-25-2	Bromoform	ND	5.6	ug/kg
74-83-9	Bromomethane	ND	5.6	ug/kg
78-93-3	2-Butanone (MEK)	ND	11	ug/kg
104-51-8	n-Butylbenzene	ND	5.6	ug/kg
135-98-8	sec-Butylbenzene	ND	5.6	ug/kg
98-06-6	tert-Butylbenzene	ND	5.6	ug/kg
75-15-0	Carbon disulfide	ND	5.6	ug/kg
56-23-5	Carbon tetrachloride	ND	5.6	ug/kg
108-90-7	Chlorobenzene	ND	5.6	ug/kg
75-00-3	Chloroethane	ND	5.6	ug/kg
67-66-3	Chloroform	ND	5.6	ug/kg
74-87-3	Chloromethane	ND	5.6	ug/kg
95-49-8	2-Chlorotoluene	ND	5.6	ug/kg
106-43-4	4-Chlorotoluene	ND	5.6	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.6	ug/kg
124-48-1	Dibromochloromethane	ND	5.6	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.6	ug/kg
74-95-3	Dibromomethane	ND	5.6	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.6	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.6	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.6	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.6	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.6	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.6	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.6	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.6	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.6	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.6	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.6	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.6	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.6	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	ug/kg
60-29-7	Diethyl ether	ND	5.6	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 9
Sample Description: GP-6 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:05
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 17:28 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 14
Dilution Factor: 1
Lab Data File: J48312.D;J48291.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	23	ug/kg
100-41-4	Ethylbenzene	ND	5.6	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.6	ug/kg
591-78-6	2-Hexanone	ND	11	ug/kg
98-82-8	Isopropylbenzene	ND	5.6	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.6	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.6	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg
75-09-2	Methylene chloride	ND	5.6	ug/kg
91-20-3	Naphthalene	13	5.6	ug/kg
103-65-1	n-Propylbenzene	ND	5.6	ug/kg
100-42-5	Styrene	ND	5.6	ug/kg
109-99-9	Tetrahydrofuran	ND	5.6	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.6	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.6	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.6	ug/kg
108-88-3	Toluene	ND	5.6	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.6	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.6	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.6	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.6	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	ug/kg
75-01-4	Vinyl chloride	ND	5.6	ug/kg
95-47-6	o-Xylene	ND	5.6	ug/kg
108-38-3	m,p-Xylenes	ND	11	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	122%	82%-120%
Bromofluorobenzene	77%	70%-122%
Toluene-d8	106%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 10
Sample Description: GP-7 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:50
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 15:38 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 12
Sample Weight/Volume: 30.10
Dilution Factor: 4
Extract Volume: 1
Lab Data File: L34796.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	150	ug/kg
83-32-9	Acenaphthene	ND	150	ug/kg
208-96-8	Acenaphthylene	ND	150	ug/kg
62-53-3	Aniline	ND	150	ug/kg
120-12-7	Anthracene	ND	150	ug/kg
92-52-4	Biphenyl	ND	150	ug/kg
56-55-3	Benzo[a]anthracene	360	150	ug/kg
50-32-8	Benzo[a]pyrene	300	150	ug/kg
205-99-2	Benzo[b]fluoranthene	330	150	ug/kg
191-24-2	Benzo[g,h,i]perylene	ND	150	ug/kg
207-08-9	Benzo[k]fluoranthene	160	150	ug/kg
65-85-0	Benzoic acid	ND	750	ug/kg
100-51-6	Benzyl alcohol	ND	150	ug/kg
85-68-7	Benzyl butyl phthalate	ND	150	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	150	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	150	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	150	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	150	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	150	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	150	ug/kg
106-47-8	4-Chloroaniline	ND	150	ug/kg
91-58-7	2-Chloronaphthalene	ND	150	ug/kg
95-57-8	2-Chlorophenol	ND	150	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	150	ug/kg
218-01-9	Chrysene	320	150	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	150	ug/kg
84-74-2	Di-n-butyl phthalate	ND	150	ug/kg
117-84-0	Di-n-octyl phthalate	ND	150	ug/kg
132-64-9	Dibenzofuran	ND	150	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	150	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	150	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	150	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	150	ug/kg
120-83-2	2,4-Dichlorophenol	ND	150	ug/kg
84-66-2	Diethyl phthalate	ND	150	ug/kg
131-11-3	Dimethyl phthalate	ND	150	ug/kg
105-67-9	2,4-Dimethylphenol	ND	150	ug/kg
51-28-5	2,4-Dinitrophenol	ND	150	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	150	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	150	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 10
Sample Description: GP-7 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:50
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 15:38 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 12
Sample Weight/Volume: 30.10
Dilution Factor: 4
Extract Volume: 1
Lab Data File: L34796.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	690	150	ug/kg
86-73-7	Fluorene	ND	150	ug/kg
118-74-1	Hexachlorobenzene	ND	150	ug/kg
87-68-3	Hexachlorobutadiene	ND	150	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	150	ug/kg
67-72-1	Hexachloroethane	ND	150	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	160	150	ug/kg
78-59-1	Isophorone	ND	150	ug/kg
91-57-6	2-Methylnaphthalene	ND	150	ug/kg
95-48-7	2-Methylphenol	ND	150	ug/kg
108-39-4	3- & 4-Methylphenols	ND	300	ug/kg
91-20-3	Naphthalene	ND	150	ug/kg
88-74-4	2-Nitroaniline	ND	150	ug/kg
99-09-2	3-Nitroaniline	ND	150	ug/kg
100-01-6	4-Nitroaniline	ND	150	ug/kg
98-95-3	Nitrobenzene	ND	150	ug/kg
88-75-5	2-Nitrophenol	ND	150	ug/kg
100-02-1	4-Nitrophenol	ND	150	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	150	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	150	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	150	ug/kg
87-86-5	Pentachlorophenol	ND	150	ug/kg
85-01-8	Phenanthrene	570	150	ug/kg
108-95-2	Phenol	ND	150	ug/kg
129-00-0	Pyrene	590	150	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	150	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	150	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	150	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	150	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	56%	10%-122%
2-Fluorobiphenyl	35%	10%-96%
2-Fluorophenol	28%	10%-95%
4-Terphenyl-d14	69%	20%-149%
Nitrobenzene-d5	31%	10%-98%
Phenol-d6	31%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 10
Sample Description: GP-7 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:50
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 15:00 By: DPR
Date Analyzed: 06/14/2012 12:43 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 12
Sample Weight/Volume: 30.15
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6061410.D
QC Batch#: 96264

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	43	3.8	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	71%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 10
Sample Description: GP-7 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:50
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 18:47 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 12
Dilution Factor: 1
Lab Data File: J48292.D;J48313.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	11	ug/kg
107-13-1	Acrylonitrile	ND	5.6	ug/kg
71-43-2	Benzene	ND	5.6	ug/kg
108-86-1	Bromobenzene	ND	5.6	ug/kg
74-97-5	Bromochloromethane	ND	5.6	ug/kg
75-27-4	Bromodichloromethane	ND	5.6	ug/kg
75-25-2	Bromoform	ND	5.6	ug/kg
74-83-9	Bromomethane	ND	5.6	ug/kg
78-93-3	2-Butanone (MEK)	ND	11	ug/kg
104-51-8	n-Butylbenzene	ND	5.6	ug/kg
135-98-8	sec-Butylbenzene	ND	5.6	ug/kg
98-06-6	tert-Butylbenzene	ND	5.6	ug/kg
75-15-0	Carbon disulfide	ND	5.6	ug/kg
56-23-5	Carbon tetrachloride	ND	5.6	ug/kg
108-90-7	Chlorobenzene	ND	5.6	ug/kg
75-00-3	Chloroethane	ND	5.6	ug/kg
67-66-3	Chloroform	ND	5.6	ug/kg
74-87-3	Chloromethane	ND	5.6	ug/kg
95-49-8	2-Chlorotoluene	ND	5.6	ug/kg
106-43-4	4-Chlorotoluene	ND	5.6	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.6	ug/kg
124-48-1	Dibromochloromethane	ND	5.6	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.6	ug/kg
74-95-3	Dibromomethane	ND	5.6	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.6	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.6	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.6	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.6	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.6	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.6	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.6	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.6	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.6	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.6	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.6	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.6	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.6	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.6	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.6	ug/kg
60-29-7	Diethyl ether	ND	5.6	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 10
Sample Description: GP-7 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:50
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 18:47 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 12
Dilution Factor: 1
Lab Data File: J48292.D;J48313.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	22	ug/kg
100-41-4	Ethylbenzene	ND	5.6	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.6	ug/kg
591-78-6	2-Hexanone	ND	11	ug/kg
98-82-8	Isopropylbenzene	ND	5.6	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.6	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.6	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg
75-09-2	Methylene chloride	ND	5.6	ug/kg
91-20-3	Naphthalene	ND	5.6	ug/kg
103-65-1	n-Propylbenzene	ND	5.6	ug/kg
100-42-5	Styrene	ND	5.6	ug/kg
109-99-9	Tetrahydrofuran	ND	5.6	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.6	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.6	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.6	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.6	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.6	ug/kg
108-88-3	Toluene	ND	5.6	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.6	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.6	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.6	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.6	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.6	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.6	ug/kg
75-01-4	Vinyl chloride	ND	5.6	ug/kg
95-47-6	o-Xylene	ND	5.6	ug/kg
108-38-3	m,p-Xylenes	ND	11	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	112%	82%-120%
Bromofluorobenzene	71%	70%-122%
Toluene-d8	124%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 10
Sample Description: GP-7 4'-8'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 10:50
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 14:26 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 12
Sample Weight/Volume: 30.00
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061908.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	15	ug/kg
11104-28-2	Aroclor 1221	ND	15	ug/kg
11141-16-5	Aroclor 1232	ND	15	ug/kg
53469-21-9	Aroclor 1242	ND	15	ug/kg
12672-29-6	Aroclor 1248	ND	15	ug/kg
11097-69-1	Aroclor 1254	ND	15	ug/kg
11096-82-5	Aroclor 1260	ND	15	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	72%	30%-150%
Decachlorobiphenyl	131%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 11
Sample Description: GP-8 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 11:09
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/13/2012 12:07 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 13
Sample Weight/Volume: 30.05
Dilution Factor: 20
Extract Volume: 1
Lab Data File: L34822.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	760	ug/kg
83-32-9	Acenaphthene	830	760	ug/kg
208-96-8	Acenaphthylene	6100	760	ug/kg
62-53-3	Aniline	ND	760	ug/kg
120-12-7	Anthracene	9000	760	ug/kg
92-52-4	Biphenyl	860	760	ug/kg
56-55-3	Benzo[a]anthracene	15000	760	ug/kg
50-32-8	Benzo[a]pyrene	13000	760	ug/kg
205-99-2	Benzo[b]fluoranthene	17000	760	ug/kg
191-24-2	Benzo[g,h,i]perylene	3600	760	ug/kg
207-08-9	Benzo[k]fluoranthene	7300	760	ug/kg
65-85-0	Benzoic acid	ND	3800	ug/kg
100-51-6	Benzyl alcohol	ND	760	ug/kg
85-68-7	Benzyl butyl phthalate	ND	760	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	760	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	760	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	760	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	760	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	760	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	760	ug/kg
106-47-8	4-Chloroaniline	ND	760	ug/kg
91-58-7	2-Chloronaphthalene	ND	760	ug/kg
95-57-8	2-Chlorophenol	ND	760	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	760	ug/kg
218-01-9	Chrysene	15000	760	ug/kg
53-70-3	Dibenz[a,h]anthracene	1300	760	ug/kg
84-74-2	Di-n-butyl phthalate	ND	760	ug/kg
117-84-0	Di-n-octyl phthalate	ND	760	ug/kg
132-64-9	Dibenzofuran	ND	760	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	760	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	760	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	760	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	760	ug/kg
120-83-2	2,4-Dichlorophenol	ND	760	ug/kg
84-66-2	Diethyl phthalate	ND	760	ug/kg
131-11-3	Dimethyl phthalate	ND	760	ug/kg
105-67-9	2,4-Dimethylphenol	ND	760	ug/kg
51-28-5	2,4-Dinitrophenol	ND	760	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	760	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	760	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 11
Sample Description: GP-8 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 11:09
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/13/2012 12:07 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 13
Sample Weight/Volume: 30.05
Dilution Factor: 20
Extract Volume: 1
Lab Data File: L34822.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	30000	760	ug/kg
86-73-7	Fluorene	9400	760	ug/kg
118-74-1	Hexachlorobenzene	ND	760	ug/kg
87-68-3	Hexachlorobutadiene	ND	760	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	760	ug/kg
67-72-1	Hexachloroethane	ND	760	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	5100	760	ug/kg
78-59-1	Isophorone	ND	760	ug/kg
91-57-6	2-Methylnaphthalene	4000	760	ug/kg
95-48-7	2-Methylphenol	ND	760	ug/kg
108-39-4	3- & 4-Methylphenols	ND	1500	ug/kg
91-20-3	Naphthalene	6700	760	ug/kg
88-74-4	2-Nitroaniline	ND	760	ug/kg
99-09-2	3-Nitroaniline	ND	760	ug/kg
100-01-6	4-Nitroaniline	ND	760	ug/kg
98-95-3	Nitrobenzene	ND	760	ug/kg
88-75-5	2-Nitrophenol	ND	760	ug/kg
100-02-1	4-Nitrophenol	ND	760	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	760	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	760	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	760	ug/kg
87-86-5	Pentachlorophenol	ND	760	ug/kg
85-01-8	Phenanthrene	32000	760	ug/kg
108-95-2	Phenol	ND	760	ug/kg
129-00-0	Pyrene	30000	760	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	760	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	760	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	760	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	760	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	59%	10%-122%
2-Fluorobiphenyl	62%	10%-96%
2-Fluorophenol	42%	10%-95%
4-Terphenyl-d14	80%	20%-149%
Nitrobenzene-d5	54%	10%-98%
Phenol-d6	59%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 11
Sample Description: GP-8 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 11:09
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 12:30 By: DPR
Date Analyzed: 06/20/2012 14:18 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 13
Sample Weight/Volume: 30.15
Dilution Factor: 8
Extract Volume: 1
Lab Data File: 6062005.D, 6062010.D
QC Batch#: 96290

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	710	30	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	114%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 11
Sample Description: GP-8 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 11:09
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 14:45 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 13
Sample Weight/Volume: 30.10
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061909.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	15	ug/kg
11104-28-2	Aroclor 1221	ND	15	ug/kg
11141-16-5	Aroclor 1232	ND	15	ug/kg
53469-21-9	Aroclor 1242	ND	15	ug/kg
12672-29-6	Aroclor 1248	ND	15	ug/kg
11097-69-1	Aroclor 1254	ND	15	ug/kg
11096-82-5	Aroclor 1260	ND	15	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	73%	30%-150%
Decachlorobiphenyl	120%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 11
Sample Description: GP-8 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 11:09
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 18:22 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 13
Dilution Factor: 1
Lab Data File: J48314.D;J48293.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	74	11	ug/kg
107-13-1	Acrylonitrile	ND	5.3	ug/kg
71-43-2	Benzene	ND	5.3	ug/kg
108-86-1	Bromobenzene	ND	5.3	ug/kg
74-97-5	Bromochloromethane	ND	5.3	ug/kg
75-27-4	Bromodichloromethane	ND	5.3	ug/kg
75-25-2	Bromoform	ND	5.3	ug/kg
74-83-9	Bromomethane	ND	5.3	ug/kg
78-93-3	2-Butanone (MEK)	ND	11	ug/kg
104-51-8	n-Butylbenzene	ND	5.3	ug/kg
135-98-8	sec-Butylbenzene	ND	5.3	ug/kg
98-06-6	tert-Butylbenzene	ND	5.3	ug/kg
75-15-0	Carbon disulfide	ND	5.3	ug/kg
56-23-5	Carbon tetrachloride	ND	5.3	ug/kg
108-90-7	Chlorobenzene	ND	5.3	ug/kg
75-00-3	Chloroethane	ND	5.3	ug/kg
67-66-3	Chloroform	ND	5.3	ug/kg
74-87-3	Chloromethane	ND	5.3	ug/kg
95-49-8	2-Chlorotoluene	ND	5.3	ug/kg
106-43-4	4-Chlorotoluene	ND	5.3	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.3	ug/kg
124-48-1	Dibromochloromethane	ND	5.3	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.3	ug/kg
74-95-3	Dibromomethane	ND	5.3	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.3	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.3	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.3	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.3	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.3	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.3	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.3	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.3	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.3	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.3	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.3	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.3	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.3	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.3	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.3	ug/kg
60-29-7	Diethyl ether	ND	5.3	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 11
Sample Description: GP-8 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 11:09
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 18:22 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 13
Dilution Factor: 1
Lab Data File: J48314.D;J48293.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	21	ug/kg
100-41-4	Ethylbenzene	ND	5.3	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.3	ug/kg
591-78-6	2-Hexanone	ND	11	ug/kg
98-82-8	Isopropylbenzene	ND	5.3	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.3	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.3	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg
75-09-2	Methylene chloride	ND	5.3	ug/kg
91-20-3	Naphthalene	ND	5.3	ug/kg
103-65-1	n-Propylbenzene	ND	5.3	ug/kg
100-42-5	Styrene	ND	5.3	ug/kg
109-99-9	Tetrahydrofuran	ND	5.3	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.3	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.3	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.3	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.3	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.3	ug/kg
108-88-3	Toluene	ND	5.3	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.3	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.3	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.3	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.3	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.3	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.3	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.3	ug/kg
75-01-4	Vinyl chloride	ND	5.3	ug/kg
95-47-6	o-Xylene	ND	5.3	ug/kg
108-38-3	m,p-Xylenes	ND	11	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	121%	82%-120%
Bromofluorobenzene	78%	70%-122%
Toluene-d8	106%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 12
Sample Description: GP-9 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:35
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 20:25 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 13
Sample Weight/Volume: 30.05
Dilution Factor: 10
Extract Volume: 1
Lab Data File: L34806.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	380	ug/kg
83-32-9	Acenaphthene	ND	380	ug/kg
208-96-8	Acenaphthylene	560	380	ug/kg
62-53-3	Aniline	ND	380	ug/kg
120-12-7	Anthracene	ND	380	ug/kg
92-52-4	Biphenyl	ND	380	ug/kg
56-55-3	Benzo[a]anthracene	2400	380	ug/kg
50-32-8	Benzo[a]pyrene	2500	380	ug/kg
205-99-2	Benzo[b]fluoranthene	4100	380	ug/kg
191-24-2	Benzo[g,h,i]perylene	810	380	ug/kg
207-08-9	Benzo[k]fluoranthene	1600	380	ug/kg
65-85-0	Benzoic acid	ND	1900	ug/kg
100-51-6	Benzyl alcohol	ND	380	ug/kg
85-68-7	Benzyl butyl phthalate	ND	380	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	380	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	380	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	380	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	380	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	380	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	380	ug/kg
106-47-8	4-Chloroaniline	ND	380	ug/kg
91-58-7	2-Chloronaphthalene	ND	380	ug/kg
95-57-8	2-Chlorophenol	ND	380	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	380	ug/kg
218-01-9	Chrysene	2600	380	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	380	ug/kg
84-74-2	Di-n-butyl phthalate	ND	380	ug/kg
117-84-0	Di-n-octyl phthalate	ND	380	ug/kg
132-64-9	Dibenzofuran	ND	380	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	380	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	380	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	380	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	380	ug/kg
120-83-2	2,4-Dichlorophenol	ND	380	ug/kg
84-66-2	Diethyl phthalate	ND	380	ug/kg
131-11-3	Dimethyl phthalate	ND	380	ug/kg
105-67-9	2,4-Dimethylphenol	ND	380	ug/kg
51-28-5	2,4-Dinitrophenol	ND	380	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	380	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	380	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 12
Sample Description: GP-9 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:35
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 20:25 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 13
Sample Weight/Volume: 30.05
Dilution Factor: 10
Extract Volume: 1
Lab Data File: L34806.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	4500	380	ug/kg
86-73-7	Fluorene	ND	380	ug/kg
118-74-1	Hexachlorobenzene	ND	380	ug/kg
87-68-3	Hexachlorobutadiene	ND	380	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	380	ug/kg
67-72-1	Hexachloroethane	ND	380	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	1000	380	ug/kg
78-59-1	Isophorone	ND	380	ug/kg
91-57-6	2-Methylnaphthalene	ND	380	ug/kg
95-48-7	2-Methylphenol	ND	380	ug/kg
108-39-4	3- & 4-Methylphenols	ND	760	ug/kg
91-20-3	Naphthalene	ND	380	ug/kg
88-74-4	2-Nitroaniline	ND	380	ug/kg
99-09-2	3-Nitroaniline	ND	380	ug/kg
100-01-6	4-Nitroaniline	ND	380	ug/kg
98-95-3	Nitrobenzene	ND	380	ug/kg
88-75-5	2-Nitrophenol	ND	380	ug/kg
100-02-1	4-Nitrophenol	ND	380	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	380	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	380	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	380	ug/kg
87-86-5	Pentachlorophenol	ND	380	ug/kg
85-01-8	Phenanthrene	1500	380	ug/kg
108-95-2	Phenol	ND	380	ug/kg
129-00-0	Pyrene	5700	380	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	380	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	380	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	380	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	380	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	64%	10%-122%
2-Fluorobiphenyl	58%	10%-96%
2-Fluorophenol	43%	10%-95%
4-Terphenyl-d14	82%	20%-149%
Nitrobenzene-d5	42%	10%-98%
Phenol-d6	46%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 12
Sample Description: GP-9 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:35
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 12:30 By: DPR
Date Analyzed: 06/20/2012 11:45 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 13
Sample Weight/Volume: 30.05
Dilution Factor: 2
Extract Volume: 1
Lab Data File: 6062004.D
QC Batch#: 96290

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	160	7.6	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	63%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 12
Sample Description: GP-9 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:35
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 15:05 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 13
Sample Weight/Volume: 30.00
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061910.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	15	ug/kg
11104-28-2	Aroclor 1221	ND	15	ug/kg
11141-16-5	Aroclor 1232	ND	15	ug/kg
53469-21-9	Aroclor 1242	ND	15	ug/kg
12672-29-6	Aroclor 1248	ND	15	ug/kg
11097-69-1	Aroclor 1254	ND	15	ug/kg
11096-82-5	Aroclor 1260	ND	15	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	76%	30%-150%
Decachlorobiphenyl	104%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 12
Sample Description: GP-9 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:35
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 19:42 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 13
Dilution Factor: 1
Lab Data File: J48294.D;J48315.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	11	ug/kg
107-13-1	Acrylonitrile	ND	5.5	ug/kg
71-43-2	Benzene	ND	5.5	ug/kg
108-86-1	Bromobenzene	ND	5.5	ug/kg
74-97-5	Bromochloromethane	ND	5.5	ug/kg
75-27-4	Bromodichloromethane	ND	5.5	ug/kg
75-25-2	Bromoform	ND	5.5	ug/kg
74-83-9	Bromomethane	ND	5.5	ug/kg
78-93-3	2-Butanone (MEK)	ND	11	ug/kg
104-51-8	n-Butylbenzene	ND	5.5	ug/kg
135-98-8	sec-Butylbenzene	ND	5.5	ug/kg
98-06-6	tert-Butylbenzene	ND	5.5	ug/kg
75-15-0	Carbon disulfide	ND	5.5	ug/kg
56-23-5	Carbon tetrachloride	ND	5.5	ug/kg
108-90-7	Chlorobenzene	ND	5.5	ug/kg
75-00-3	Chloroethane	ND	5.5	ug/kg
67-66-3	Chloroform	ND	5.5	ug/kg
74-87-3	Chloromethane	ND	5.5	ug/kg
95-49-8	2-Chlorotoluene	ND	5.5	ug/kg
106-43-4	4-Chlorotoluene	ND	5.5	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.5	ug/kg
124-48-1	Dibromochloromethane	ND	5.5	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.5	ug/kg
74-95-3	Dibromomethane	ND	5.5	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.5	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.5	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.5	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.5	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.5	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.5	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.5	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.5	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.5	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.5	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.5	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.5	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.5	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	ug/kg
60-29-7	Diethyl ether	ND	5.5	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 12
Sample Description: GP-9 2'-4'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:35
Date Received: 06/08/2012 12:35
Date Analyzed: 06/11/2012 19:42 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 13
Dilution Factor: 1
Lab Data File: J48294.D;J48315.D
QC Batch#: 95968

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	22	ug/kg
100-41-4	Ethylbenzene	ND	5.5	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.5	ug/kg
591-78-6	2-Hexanone	ND	11	ug/kg
98-82-8	Isopropylbenzene	ND	5.5	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.5	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.5	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg
75-09-2	Methylene chloride	ND	5.5	ug/kg
91-20-3	Naphthalene	ND	5.5	ug/kg
103-65-1	n-Propylbenzene	ND	5.5	ug/kg
100-42-5	Styrene	ND	5.5	ug/kg
109-99-9	Tetrahydrofuran	ND	5.5	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.5	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.5	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.5	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.5	ug/kg
108-88-3	Toluene	ND	5.5	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.5	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.5	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.5	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.5	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	ug/kg
75-01-4	Vinyl chloride	ND	5.5	ug/kg
95-47-6	o-Xylene	ND	5.5	ug/kg
108-38-3	m,p-Xylenes	ND	11	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	125%	82%-120%
Bromofluorobenzene	74%	70%-122%
Toluene-d8	108%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 13
Sample Description: GP-10 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 20:54 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 16
Sample Weight/Volume: 30.20
Dilution Factor: 10
Extract Volume: 1
Lab Data File: L34807.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	390	ug/kg
83-32-9	Acenaphthene	ND	390	ug/kg
208-96-8	Acenaphthylene	1000	390	ug/kg
62-53-3	Aniline	ND	390	ug/kg
120-12-7	Anthracene	1100	390	ug/kg
92-52-4	Biphenyl	ND	390	ug/kg
56-55-3	Benzo[a]anthracene	4500	390	ug/kg
50-32-8	Benzo[a]pyrene	4000	390	ug/kg
205-99-2	Benzo[b]fluoranthene	5500	390	ug/kg
191-24-2	Benzo[g,h,i]perylene	1300	390	ug/kg
207-08-9	Benzo[k]fluoranthene	2300	390	ug/kg
65-85-0	Benzoic acid	ND	2000	ug/kg
100-51-6	Benzyl alcohol	ND	390	ug/kg
85-68-7	Benzyl butyl phthalate	ND	390	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	390	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	390	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	390	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	390	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	390	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	390	ug/kg
106-47-8	4-Chloroaniline	ND	390	ug/kg
91-58-7	2-Chloronaphthalene	ND	390	ug/kg
95-57-8	2-Chlorophenol	ND	390	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	390	ug/kg
218-01-9	Chrysene	4300	390	ug/kg
53-70-3	Dibenz[a,h]anthracene	430	390	ug/kg
84-74-2	Di-n-butyl phthalate	ND	390	ug/kg
117-84-0	Di-n-octyl phthalate	ND	390	ug/kg
132-64-9	Dibenzofuran	ND	390	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	390	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	390	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	390	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	390	ug/kg
120-83-2	2,4-Dichlorophenol	ND	390	ug/kg
84-66-2	Diethyl phthalate	ND	390	ug/kg
131-11-3	Dimethyl phthalate	ND	390	ug/kg
105-67-9	2,4-Dimethylphenol	ND	390	ug/kg
51-28-5	2,4-Dinitrophenol	ND	390	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	390	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	390	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 13
Sample Description: GP-10 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/12/2012 20:54 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 16
Sample Weight/Volume: 30.20
Dilution Factor: 10
Extract Volume: 1
Lab Data File: L34807.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	8100	390	ug/kg
86-73-7	Fluorene	710	390	ug/kg
118-74-1	Hexachlorobenzene	ND	390	ug/kg
87-68-3	Hexachlorobutadiene	ND	390	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	390	ug/kg
67-72-1	Hexachloroethane	ND	390	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	1600	390	ug/kg
78-59-1	Isophorone	ND	390	ug/kg
91-57-6	2-Methylnaphthalene	ND	390	ug/kg
95-48-7	2-Methylphenol	ND	390	ug/kg
108-39-4	3- & 4-Methylphenols	ND	780	ug/kg
91-20-3	Naphthalene	ND	390	ug/kg
88-74-4	2-Nitroaniline	ND	390	ug/kg
99-09-2	3-Nitroaniline	ND	390	ug/kg
100-01-6	4-Nitroaniline	ND	390	ug/kg
98-95-3	Nitrobenzene	ND	390	ug/kg
88-75-5	2-Nitrophenol	ND	390	ug/kg
100-02-1	4-Nitrophenol	ND	390	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	390	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	390	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	390	ug/kg
87-86-5	Pentachlorophenol	ND	390	ug/kg
85-01-8	Phenanthrene	4400	390	ug/kg
108-95-2	Phenol	ND	390	ug/kg
129-00-0	Pyrene	8900	390	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	390	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	390	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	390	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	390	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	65%	10%-122%
2-Fluorobiphenyl	55%	10%-96%
2-Fluorophenol	31%	10%-95%
4-Terphenyl-d14	89%	20%-149%
Nitrobenzene-d5	37%	10%-98%
Phenol-d6	44%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 13
Sample Description: GP-10 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 12:30 By: DPR
Date Analyzed: 06/20/2012 13:29 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 16
Sample Weight/Volume: 30.05
Dilution Factor: 10
Extract Volume: 1
Lab Data File: 6062008.D
QC Batch#: 96290

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	890	39	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane		50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 13
Sample Description: GP-10 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 15:25 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 16
Sample Weight/Volume: 30.05
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061911.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	16	ug/kg
11104-28-2	Aroclor 1221	ND	16	ug/kg
11141-16-5	Aroclor 1232	ND	16	ug/kg
53469-21-9	Aroclor 1242	ND	16	ug/kg
12672-29-6	Aroclor 1248	ND	16	ug/kg
11097-69-1	Aroclor 1254	ND	16	ug/kg
11096-82-5	Aroclor 1260	ND	16	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	65%	30%-150%
Decachlorobiphenyl	98%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 13
Sample Description: GP-10 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:40
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 19:16 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 16
Dilution Factor: 1
Lab Data File: J48316.D;J48301.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	12	ug/kg
107-13-1	Acrylonitrile	ND	6.2	ug/kg
71-43-2	Benzene	ND	6.2	ug/kg
108-86-1	Bromobenzene	ND	6.2	ug/kg
74-97-5	Bromochloromethane	ND	6.2	ug/kg
75-27-4	Bromodichloromethane	ND	6.2	ug/kg
75-25-2	Bromoform	ND	6.2	ug/kg
74-83-9	Bromomethane	ND	6.2	ug/kg
78-93-3	2-Butanone (MEK)	ND	12	ug/kg
104-51-8	n-Butylbenzene	ND	6.2	ug/kg
135-98-8	sec-Butylbenzene	ND	6.2	ug/kg
98-06-6	tert-Butylbenzene	ND	6.2	ug/kg
75-15-0	Carbon disulfide	ND	6.2	ug/kg
56-23-5	Carbon tetrachloride	ND	6.2	ug/kg
108-90-7	Chlorobenzene	ND	6.2	ug/kg
75-00-3	Chloroethane	ND	6.2	ug/kg
67-66-3	Chloroform	ND	6.2	ug/kg
74-87-3	Chloromethane	ND	6.2	ug/kg
95-49-8	2-Chlorotoluene	ND	6.2	ug/kg
106-43-4	4-Chlorotoluene	ND	6.2	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.2	ug/kg
124-48-1	Dibromochloromethane	ND	6.2	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	6.2	ug/kg
74-95-3	Dibromomethane	ND	6.2	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	6.2	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	6.2	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	6.2	ug/kg
75-71-8	Dichlorodifluoromethane	ND	6.2	ug/kg
75-34-3	1,1-Dichloroethane	ND	6.2	ug/kg
107-06-2	1,2-Dichloroethane	ND	6.2	ug/kg
75-35-4	1,1-Dichloroethene	ND	6.2	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	6.2	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	6.2	ug/kg
78-87-5	1,2-Dichloropropane	ND	6.2	ug/kg
142-28-9	1,3-Dichloropropane	ND	6.2	ug/kg
594-20-7	2,2-Dichloropropane	ND	6.2	ug/kg
563-58-6	1,1-Dichloropropene	ND	6.2	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	ug/kg
60-29-7	Diethyl ether	ND	6.2	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 13
Sample Description: GP-10 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 13:40
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 19:16 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 16
Dilution Factor: 1
Lab Data File: J48316.D;J48301.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	25	ug/kg
100-41-4	Ethylbenzene	ND	6.2	ug/kg
87-68-3	Hexachlorobutadiene	ND	6.2	ug/kg
591-78-6	2-Hexanone	ND	12	ug/kg
98-82-8	Isopropylbenzene	ND	6.2	ug/kg
99-87-6	4-Isopropyltoluene	ND	6.2	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	6.2	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	12	ug/kg
75-09-2	Methylene chloride	ND	6.2	ug/kg
91-20-3	Naphthalene	48	6.2	ug/kg
103-65-1	n-Propylbenzene	ND	6.2	ug/kg
100-42-5	Styrene	ND	6.2	ug/kg
109-99-9	Tetrahydrofuran	ND	6.2	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.2	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.2	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	6.2	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	6.2	ug/kg
108-88-3	Toluene	ND	6.2	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	6.2	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	6.2	ug/kg
79-01-6	Trichloroethene (TCE)	ND	6.2	ug/kg
75-69-4	Trichlorofluoromethane	ND	6.2	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	ug/kg
75-01-4	Vinyl chloride	ND	6.2	ug/kg
95-47-6	o-Xylene	ND	6.2	ug/kg
108-38-3	m,p-Xylenes	ND	12	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	118%	82%-120%
Bromofluorobenzene	84%	70%-122%
Toluene-d8	107%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 14
Sample Description: GP-11 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/13/2012 11:10 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 9.0
Sample Weight/Volume: 30.05
Dilution Factor: 10
Extract Volume: 1
Lab Data File: L34820.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	360	ug/kg
83-32-9	Acenaphthene	ND	360	ug/kg
208-96-8	Acenaphthylene	1500	360	ug/kg
62-53-3	Aniline	ND	360	ug/kg
120-12-7	Anthracene	1000	360	ug/kg
92-52-4	Biphenyl	ND	360	ug/kg
56-55-3	Benzo[a]anthracene	6200	360	ug/kg
50-32-8	Benzo[a]pyrene	6200	360	ug/kg
205-99-2	Benzo[b]fluoranthene	10000	360	ug/kg
191-24-2	Benzo[g,h,i]perylene	2200	360	ug/kg
207-08-9	Benzo[k]fluoranthene	3000	360	ug/kg
65-85-0	Benzoic acid	ND	1800	ug/kg
100-51-6	Benzyl alcohol	ND	360	ug/kg
85-68-7	Benzyl butyl phthalate	ND	360	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	360	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	360	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	360	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	360	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	360	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	360	ug/kg
106-47-8	4-Chloroaniline	ND	360	ug/kg
91-58-7	2-Chloronaphthalene	ND	360	ug/kg
95-57-8	2-Chlorophenol	ND	360	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	360	ug/kg
218-01-9	Chrysene	6300	360	ug/kg
53-70-3	Dibenz[a,h]anthracene	670	360	ug/kg
84-74-2	Di-n-butyl phthalate	ND	360	ug/kg
117-84-0	Di-n-octyl phthalate	ND	360	ug/kg
132-64-9	Dibenzofuran	ND	360	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	360	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	360	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	360	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	360	ug/kg
120-83-2	2,4-Dichlorophenol	ND	360	ug/kg
84-66-2	Diethyl phthalate	ND	360	ug/kg
131-11-3	Dimethyl phthalate	ND	360	ug/kg
105-67-9	2,4-Dimethylphenol	ND	360	ug/kg
51-28-5	2,4-Dinitrophenol	ND	360	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	360	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	360	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 14
Sample Description: GP-11 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/13/2012 11:10 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 9.0
Sample Weight/Volume: 30.05
Dilution Factor: 10
Extract Volume: 1
Lab Data File: L34820.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	10000	360	ug/kg
86-73-7	Fluorene	630	360	ug/kg
118-74-1	Hexachlorobenzene	ND	360	ug/kg
87-68-3	Hexachlorobutadiene	ND	360	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	360	ug/kg
67-72-1	Hexachloroethane	ND	360	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	2800	360	ug/kg
78-59-1	Isophorone	ND	360	ug/kg
91-57-6	2-Methylnaphthalene	ND	360	ug/kg
95-48-7	2-Methylphenol	ND	360	ug/kg
108-39-4	3- & 4-Methylphenols	ND	730	ug/kg
91-20-3	Naphthalene	ND	360	ug/kg
88-74-4	2-Nitroaniline	ND	360	ug/kg
99-09-2	3-Nitroaniline	ND	360	ug/kg
100-01-6	4-Nitroaniline	ND	360	ug/kg
98-95-3	Nitrobenzene	ND	360	ug/kg
88-75-5	2-Nitrophenol	ND	360	ug/kg
100-02-1	4-Nitrophenol	ND	360	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	360	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	360	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	360	ug/kg
87-86-5	Pentachlorophenol	ND	360	ug/kg
85-01-8	Phenanthrene	5300	360	ug/kg
108-95-2	Phenol	ND	360	ug/kg
129-00-0	Pyrene	12000	360	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	360	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	360	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	360	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	360	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	63%	10%-122%
2-Fluorobiphenyl	73%	10%-96%
2-Fluorophenol	52%	10%-95%
4-Terphenyl-d14	86%	20%-149%
Nitrobenzene-d5	64%	10%-98%
Phenol-d6	63%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 14
Sample Description: GP-11 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 12:30 By: DPR
Date Analyzed: 06/20/2012 13:54 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 9.0
Sample Weight/Volume: 30.10
Dilution Factor: 10
Extract Volume: 1
Lab Data File: 6062009.D
QC Batch#: 96290

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	720	36	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane		50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 14
Sample Description: GP-11 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:05
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 15:44 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 9.0
Sample Weight/Volume: 30.00
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061912.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	15	ug/kg
11104-28-2	Aroclor 1221	ND	15	ug/kg
11141-16-5	Aroclor 1232	ND	15	ug/kg
53469-21-9	Aroclor 1242	ND	15	ug/kg
12672-29-6	Aroclor 1248	ND	15	ug/kg
11097-69-1	Aroclor 1254	ND	15	ug/kg
11096-82-5	Aroclor 1260	ND	15	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	63%	30%-150%
Decachlorobiphenyl	60%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 14
Sample Description: GP-11 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:05
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 12:31 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 9.0
Dilution Factor: 1
Lab Data File: J48302.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	11	ug/kg
107-13-1	Acrylonitrile	ND	5.5	ug/kg
71-43-2	Benzene	ND	5.5	ug/kg
108-86-1	Bromobenzene	ND	5.5	ug/kg
74-97-5	Bromochloromethane	ND	5.5	ug/kg
75-27-4	Bromodichloromethane	ND	5.5	ug/kg
75-25-2	Bromoform	ND	5.5	ug/kg
74-83-9	Bromomethane	ND	5.5	ug/kg
78-93-3	2-Butanone (MEK)	ND	11	ug/kg
104-51-8	n-Butylbenzene	ND	5.5	ug/kg
135-98-8	sec-Butylbenzene	ND	5.5	ug/kg
98-06-6	tert-Butylbenzene	ND	5.5	ug/kg
75-15-0	Carbon disulfide	ND	5.5	ug/kg
56-23-5	Carbon tetrachloride	ND	5.5	ug/kg
108-90-7	Chlorobenzene	ND	5.5	ug/kg
75-00-3	Chloroethane	ND	5.5	ug/kg
67-66-3	Chloroform	ND	5.5	ug/kg
74-87-3	Chloromethane	ND	5.5	ug/kg
95-49-8	2-Chlorotoluene	ND	5.5	ug/kg
106-43-4	4-Chlorotoluene	ND	5.5	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	5.5	ug/kg
124-48-1	Dibromochloromethane	ND	5.5	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	5.5	ug/kg
74-95-3	Dibromomethane	ND	5.5	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	5.5	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	5.5	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	5.5	ug/kg
75-71-8	Dichlorodifluoromethane	ND	5.5	ug/kg
75-34-3	1,1-Dichloroethane	ND	5.5	ug/kg
107-06-2	1,2-Dichloroethane	ND	5.5	ug/kg
75-35-4	1,1-Dichloroethene	ND	5.5	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	5.5	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	5.5	ug/kg
78-87-5	1,2-Dichloropropane	ND	5.5	ug/kg
142-28-9	1,3-Dichloropropane	ND	5.5	ug/kg
594-20-7	2,2-Dichloropropane	ND	5.5	ug/kg
563-58-6	1,1-Dichloropropene	ND	5.5	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	5.5	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	5.5	ug/kg
60-29-7	Diethyl ether	ND	5.5	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 14
Sample Description: GP-11 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:05
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 12:31 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 9.0
Dilution Factor: 1
Lab Data File: J48302.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	22	ug/kg
100-41-4	Ethylbenzene	ND	5.5	ug/kg
87-68-3	Hexachlorobutadiene	ND	5.5	ug/kg
591-78-6	2-Hexanone	ND	11	ug/kg
98-82-8	Isopropylbenzene	ND	5.5	ug/kg
99-87-6	4-Isopropyltoluene	ND	5.5	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	5.5	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	11	ug/kg
75-09-2	Methylene chloride	ND	5.5	ug/kg
91-20-3	Naphthalene	9.6	5.5	ug/kg
103-65-1	n-Propylbenzene	ND	5.5	ug/kg
100-42-5	Styrene	ND	5.5	ug/kg
109-99-9	Tetrahydrofuran	ND	5.5	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.5	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.5	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	5.5	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.5	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	5.5	ug/kg
108-88-3	Toluene	ND	5.5	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	5.5	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	5.5	ug/kg
79-01-6	Trichloroethene (TCE)	ND	5.5	ug/kg
75-69-4	Trichlorofluoromethane	ND	5.5	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	5.5	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	5.5	ug/kg
75-01-4	Vinyl chloride	ND	5.5	ug/kg
95-47-6	o-Xylene	ND	5.5	ug/kg
108-38-3	m,p-Xylenes	ND	11	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	111%	82%-120%
Bromofluorobenzene	76%	70%-122%
Toluene-d8	110%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 15
Sample Description: GP-12 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/13/2012 10:41 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.10
Dilution Factor: 1
Extract Volume: 1
Lab Data File: L34819.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	200	ug/kg
83-32-9	Acenaphthene	ND	200	ug/kg
208-96-8	Acenaphthylene	ND	200	ug/kg
62-53-3	Aniline	ND	390	ug/kg
120-12-7	Anthracene	ND	200	ug/kg
92-52-4	Biphenyl	ND	200	ug/kg
56-55-3	Benzo[a]anthracene	ND	200	ug/kg
50-32-8	Benzo[a]pyrene	ND	200	ug/kg
205-99-2	Benzo[b]fluoranthene	ND	200	ug/kg
191-24-2	Benzo[g,h,i]perylene	ND	200	ug/kg
207-08-9	Benzo[k]fluoranthene	ND	200	ug/kg
65-85-0	Benzoic acid	ND	980	ug/kg
100-51-6	Benzyl alcohol	ND	390	ug/kg
85-68-7	Benzyl butyl phthalate	ND	200	ug/kg
111-91-1	Bis(2-chloroethoxy)methane	ND	200	ug/kg
111-44-4	Bis(2-chloroethyl)ether	ND	200	ug/kg
108-60-1	Bis(2-chloroisopropyl)ether	ND	200	ug/kg
117-81-7	Bis(2-ethylhexyl)phthalate	ND	200	ug/kg
101-55-3	4-Bromophenyl phenyl ether	ND	200	ug/kg
59-50-7	4-Chloro-3-methylphenol	ND	200	ug/kg
106-47-8	4-Chloroaniline	ND	390	ug/kg
91-58-7	2-Chloronaphthalene	ND	200	ug/kg
95-57-8	2-Chlorophenol	ND	200	ug/kg
7005-72-3	4-Chlorophenyl phenyl ether	ND	200	ug/kg
218-01-9	Chrysene	ND	200	ug/kg
53-70-3	Dibenz[a,h]anthracene	ND	200	ug/kg
84-74-2	Di-n-butyl phthalate	ND	200	ug/kg
117-84-0	Di-n-octyl phthalate	ND	200	ug/kg
132-64-9	Dibenzofuran	ND	390	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	200	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	200	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	200	ug/kg
91-94-1	3,3-Dichlorobenzidine	ND	200	ug/kg
120-83-2	2,4-Dichlorophenol	ND	200	ug/kg
84-66-2	Diethyl phthalate	ND	200	ug/kg
131-11-3	Dimethyl phthalate	ND	200	ug/kg
105-67-9	2,4-Dimethylphenol	ND	200	ug/kg
51-28-5	2,4-Dinitrophenol	ND	200	ug/kg
121-14-2	2,4-Dinitrotoluene	ND	200	ug/kg
606-20-2	2,6-Dinitrotoluene	ND	200	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 15
Sample Description: GP-12 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 17:00 By: DPR
Date Analyzed: 06/13/2012 10:41 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.10
Dilution Factor: 1
Extract Volume: 1
Lab Data File: L34819.D
QC Batch#: 96033

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	ND	200	ug/kg
86-73-7	Fluorene	ND	200	ug/kg
118-74-1	Hexachlorobenzene	ND	200	ug/kg
87-68-3	Hexachlorobutadiene	ND	200	ug/kg
77-47-4	Hexachlorocyclopentadiene	ND	200	ug/kg
67-72-1	Hexachloroethane	ND	200	ug/kg
193-39-5	Indeno[1,2,3-cd]pyrene	ND	200	ug/kg
78-59-1	Isophorone	ND	200	ug/kg
91-57-6	2-Methylnaphthalene	ND	200	ug/kg
95-48-7	2-Methylphenol	ND	200	ug/kg
108-39-4	3- & 4-Methylphenols	ND	390	ug/kg
91-20-3	Naphthalene	ND	200	ug/kg
88-74-4	2-Nitroaniline	ND	390	ug/kg
99-09-2	3-Nitroaniline	ND	390	ug/kg
100-01-6	4-Nitroaniline	ND	390	ug/kg
98-95-3	Nitrobenzene	ND	200	ug/kg
88-75-5	2-Nitrophenol	ND	200	ug/kg
100-02-1	4-Nitrophenol	ND	200	ug/kg
621-64-7	N-Nitrosodi-n-propylamine	ND	200	ug/kg
62-75-9	N-Nitrosodimethylamine	ND	200	ug/kg
86-30-6	N-Nitrosodiphenylamine	ND	200	ug/kg
87-86-5	Pentachlorophenol	ND	200	ug/kg
85-01-8	Phenanthrene	ND	200	ug/kg
108-95-2	Phenol	ND	200	ug/kg
129-00-0	Pyrene	ND	200	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	200	ug/kg
95-95-4	2,4,5-Trichlorophenol	ND	200	ug/kg
88-06-2	2,4,6-Trichlorophenol	ND	200	ug/kg
534-52-1	4,6-Dinitro-2-methylphenol	ND	200	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	56%	10%-122%
2-Fluorobiphenyl	26%	10%-96%
2-Fluorophenol	16%	10%-95%
4-Terphenyl-d14	73%	20%-149%
Nitrobenzene-d5	18%	10%-98%
Phenol-d6	23%	10%-97%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 15
Sample Description: GP-12 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 12:30 By: DPR
Date Analyzed: 06/19/2012 19:20 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.20
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6061917.D
QC Batch#: 96290

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	9.8	3.9	mg/kg

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	56%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 15
Sample Description: GP-12 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:40
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 10:30 By: AJM
Date Analyzed: 06/19/2012 16:04 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Solid
Percent Moisture: 15
Sample Weight/Volume: 30.30
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061913.D
QC Batch#: 96273

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	16	ug/kg
11104-28-2	Aroclor 1221	ND	16	ug/kg
11141-16-5	Aroclor 1232	ND	16	ug/kg
53469-21-9	Aroclor 1242	ND	16	ug/kg
12672-29-6	Aroclor 1248	ND	16	ug/kg
11097-69-1	Aroclor 1254	ND	16	ug/kg
11096-82-5	Aroclor 1260	ND	16	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	80%	30%-150%
Decachlorobiphenyl	89%	30%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 15
Sample Description: GP-12 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:40
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 12:58 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 15
Dilution Factor: 1
Lab Data File: J48303.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	12	ug/kg
107-13-1	Acrylonitrile	ND	6.1	ug/kg
71-43-2	Benzene	ND	6.1	ug/kg
108-86-1	Bromobenzene	ND	6.1	ug/kg
74-97-5	Bromochloromethane	ND	6.1	ug/kg
75-27-4	Bromodichloromethane	ND	6.1	ug/kg
75-25-2	Bromoform	ND	6.1	ug/kg
74-83-9	Bromomethane	ND	6.1	ug/kg
78-93-3	2-Butanone (MEK)	ND	12	ug/kg
104-51-8	n-Butylbenzene	ND	6.1	ug/kg
135-98-8	sec-Butylbenzene	ND	6.1	ug/kg
98-06-6	tert-Butylbenzene	ND	6.1	ug/kg
75-15-0	Carbon disulfide	ND	6.1	ug/kg
56-23-5	Carbon tetrachloride	ND	6.1	ug/kg
108-90-7	Chlorobenzene	ND	6.1	ug/kg
75-00-3	Chloroethane	ND	6.1	ug/kg
67-66-3	Chloroform	ND	6.1	ug/kg
74-87-3	Chloromethane	ND	6.1	ug/kg
95-49-8	2-Chlorotoluene	ND	6.1	ug/kg
106-43-4	4-Chlorotoluene	ND	6.1	ug/kg
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	6.1	ug/kg
124-48-1	Dibromochloromethane	ND	6.1	ug/kg
106-93-4	1,2-Dibromoethane (EDB)	ND	6.1	ug/kg
74-95-3	Dibromomethane	ND	6.1	ug/kg
95-50-1	1,2-Dichlorobenzene	ND	6.1	ug/kg
541-73-1	1,3-Dichlorobenzene	ND	6.1	ug/kg
106-46-7	1,4-Dichlorobenzene	ND	6.1	ug/kg
75-71-8	Dichlorodifluoromethane	ND	6.1	ug/kg
75-34-3	1,1-Dichloroethane	ND	6.1	ug/kg
107-06-2	1,2-Dichloroethane	ND	6.1	ug/kg
75-35-4	1,1-Dichloroethene	ND	6.1	ug/kg
156-59-2	cis-1,2-Dichloroethene	ND	6.1	ug/kg
156-60-5	trans-1,2-Dichloroethene	ND	6.1	ug/kg
78-87-5	1,2-Dichloropropane	ND	6.1	ug/kg
142-28-9	1,3-Dichloropropane	ND	6.1	ug/kg
594-20-7	2,2-Dichloropropane	ND	6.1	ug/kg
563-58-6	1,1-Dichloropropene	ND	6.1	ug/kg
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	ug/kg
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	ug/kg
60-29-7	Diethyl ether	ND	6.1	ug/kg

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 15
Sample Description: GP-12 0'-2'

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 14:40
Date Received: 06/08/2012 12:35
Date Analyzed: 06/12/2012 12:58 By: CT
Analytical Method: 8260B

Matrix: Solid
Percent Moisture: 15
Dilution Factor: 1
Lab Data File: J48303.D
QC Batch#: 96019

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	24	ug/kg
100-41-4	Ethylbenzene	ND	6.1	ug/kg
87-68-3	Hexachlorobutadiene	ND	6.1	ug/kg
591-78-6	2-Hexanone	ND	12	ug/kg
98-82-8	Isopropylbenzene	ND	6.1	ug/kg
99-87-6	4-Isopropyltoluene	ND	6.1	ug/kg
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	6.1	ug/kg
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	12	ug/kg
75-09-2	Methylene chloride	ND	6.1	ug/kg
91-20-3	Naphthalene	6.4	6.1	ug/kg
103-65-1	n-Propylbenzene	ND	6.1	ug/kg
100-42-5	Styrene	ND	6.1	ug/kg
109-99-9	Tetrahydrofuran	ND	6.1	ug/kg
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.1	ug/kg
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	6.1	ug/kg
96-18-4	1,2,3-Trichloropropane	ND	6.1	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.1	ug/kg
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	ug/kg
127-18-4	Tetrachloroethene (PCE)	ND	6.1	ug/kg
108-88-3	Toluene	ND	6.1	ug/kg
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	ug/kg
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	ug/kg
71-55-6	1,1,1-Trichloroethane	ND	6.1	ug/kg
79-00-5	1,1,2-Trichloroethane	ND	6.1	ug/kg
79-01-6	Trichloroethene (TCE)	ND	6.1	ug/kg
75-69-4	Trichlorofluoromethane	ND	6.1	ug/kg
95-63-6	1,2,4-Trimethylbenzene	ND	6.1	ug/kg
108-67-8	1,3,5-Trimethylbenzene	ND	6.1	ug/kg
75-01-4	Vinyl chloride	ND	6.1	ug/kg
95-47-6	o-Xylene	ND	6.1	ug/kg
108-38-3	m,p-Xylenes	ND	12	ug/kg

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	112%	82%-120%
Bromofluorobenzene	80%	70%-122%
Toluene-d8	105%	77%-126%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 16
Sample Description: GP-8 GW

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:00
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 10:30 By: DPR
Date Analyzed: 06/13/2012 14:29 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 1000
Dilution Factor: 1
Extract Volume: 1
Lab Data File: L34827.D
QC Batch#: 96065

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	5.0	ug/L
83-32-9	Acenaphthene	ND	5.0	ug/L
208-96-8	Acenaphthylene	ND	5.0	ug/L
62-53-3	Aniline	ND	10	ug/L
120-12-7	Anthracene	ND	5.0	ug/L
92-52-4	Biphenyl	ND	5.0	ug/L
56-55-3	Benzo[a]anthracene	ND	5.0	ug/L
50-32-8	Benzo[a]pyrene	ND	5.0	ug/L
205-99-2	Benzo[b]fluoranthene	ND	5.0	ug/L
191-24-2	Benzo[g,h,i]perylene	ND	5.0	ug/L
207-08-9	Benzo[k]fluoranthene	ND	5.0	ug/L
65-85-0	Benzoic acid	ND	25	ug/L
100-51-6	Benzyl alcohol	ND	10	ug/L
85-68-7	Benzyl butyl phthalate	ND	5.0	ug/L
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	ug/L
111-44-4	Bis(2-chloroethyl)ether	ND	5.0	ug/L
108-60-1	Bis(2-chloroisopropyl)ether	ND	5.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	ug/L
59-50-7	4-Chloro-3-methylphenol	ND	5.0	ug/L
106-47-8	4-Chloroaniline	ND	10	ug/L
91-58-7	2-Chloronaphthalene	ND	5.0	ug/L
95-57-8	2-Chlorophenol	ND	5.0	ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	ug/L
218-01-9	Chrysene	ND	5.0	ug/L
53-70-3	Dibenz[a,h]anthracene	ND	5.0	ug/L
84-74-2	Di-n-butyl phthalate	ND	5.0	ug/L
117-84-0	Di-n-octyl phthalate	ND	5.0	ug/L
132-64-9	Dibenzofuran	ND	10	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.0	ug/L
91-94-1	3,3-Dichlorobenzidine	ND	5.0	ug/L
120-83-2	2,4-Dichlorophenol	ND	5.0	ug/L
84-66-2	Diethyl phthalate	ND	5.0	ug/L
131-11-3	Dimethyl phthalate	ND	5.0	ug/L
105-67-9	2,4-Dimethylphenol	ND	5.0	ug/L
51-28-5	2,4-Dinitrophenol	ND	5.0	ug/L
121-14-2	2,4-Dinitrotoluene	ND	5.0	ug/L
606-20-2	2,6-Dinitrotoluene	ND	5.0	ug/L

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 16
Sample Description: GP-8 GW

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:00
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 10:30 By: DPR
Date Analyzed: 06/13/2012 14:29 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 1000
Dilution Factor: 1
Extract Volume: 1
Lab Data File: L34827.D
QC Batch#: 96065

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	ND	5.0	ug/L
86-73-7	Fluorene	ND	5.0	ug/L
118-74-1	Hexachlorobenzene	ND	5.0	ug/L
87-68-3	Hexachlorobutadiene	ND	5.0	ug/L
77-47-4	Hexachlorocyclopentadiene	ND	5.0	ug/L
67-72-1	Hexachloroethane	ND	5.0	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene	ND	5.0	ug/L
78-59-1	Isophorone	ND	5.0	ug/L
91-57-6	2-Methylnaphthalene	ND	5.0	ug/L
95-48-7	2-Methylphenol	ND	5.0	ug/L
108-39-4	3- & 4-Methylphenols	ND	10	ug/L
91-20-3	Naphthalene	ND	5.0	ug/L
88-74-4	2-Nitroaniline	ND	10	ug/L
99-09-2	3-Nitroaniline	ND	10	ug/L
100-01-6	4-Nitroaniline	ND	10	ug/L
98-95-3	Nitrobenzene	ND	5.0	ug/L
88-75-5	2-Nitrophenol	ND	5.0	ug/L
100-02-1	4-Nitrophenol	ND	5.0	ug/L
621-64-7	N-Nitrosodi-n-propylamine	ND	5.0	ug/L
62-75-9	N-Nitrosodimethylamine	ND	5.0	ug/L
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/L
87-86-5	Pentachlorophenol	ND	5.0	ug/L
85-01-8	Phenanthrene	ND	5.0	ug/L
108-95-2	Phenol	ND	5.0	ug/L
129-00-0	Pyrene	ND	5.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/L
95-95-4	2,4,5-Trichlorophenol	ND	5.0	ug/L
88-06-2	2,4,6-Trichlorophenol	ND	5.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	5.0	ug/L

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	44%	10%-109%
2-Fluorobiphenyl	36%	10%-86%
2-Fluorophenol	15%	10%-58%
4-Terphenyl-d14	48%	12%-107%
Nitrobenzene-d5	34%	10%-88%
Phenol-d6	10%	10%-46%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 16
Sample Description: GP-8 GW

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:00
Date Received: 06/08/2012 12:35
Date Extracted: 06/14/2012 16:00 By: DPR
Date Analyzed: 06/20/2012 11:21 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 1000
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6062003.D
QC Batch#: 96272

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	ND	0.10	mg/L

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	59%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 16
Sample Description: GP-8 GW

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:00
Date Received: 06/08/2012 12:35
Date Analyzed: 06/13/2012 19:00 By: CT
Analytical Method: 8260B

Matrix: Aqueous
Percent Moisture: N/A
Dilution Factor: 1
Lab Data File: Q27272.D
QC Batch#: 96068

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 16
Sample Description: GP-8 GW

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:00
Date Received: 06/08/2012 12:35
Date Analyzed: 06/13/2012 19:00 By: CT
Analytical Method: 8260B

Matrix: Aqueous
Percent Moisture: N/A
Dilution Factor: 1
Lab Data File: Q27272.D
QC Batch#: 96068

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	2.9	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.0	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	2.8	1.0	ug/L

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	103%	88%-107%
Bromofluorobenzene	97%	90%-106%
Toluene-d8	101%	95%-107%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 16
Sample Description: GP-8 GW

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 12:00
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 10:00 By: DPR
Date Analyzed: 06/14/2012 17:16 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 1000
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061418.D
QC Batch#: 96029

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	0.40	ug/L
11104-28-2	Aroclor 1221	ND	0.40	ug/L
11141-16-5	Aroclor 1232	ND	0.40	ug/L
53469-21-9	Aroclor 1242	ND	0.40	ug/L
12672-29-6	Aroclor 1248	ND	0.40	ug/L
11097-69-1	Aroclor 1254	ND	0.40	ug/L
11096-82-5	Aroclor 1260	ND	0.40	ug/L

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	73%	10%-126%
Decachlorobiphenyl	67%	10%-115%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 17
Sample Description: FB-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:41
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 10:30 By: DPR
Date Analyzed: 06/13/2012 14:00 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 1000
Dilution Factor: 1
Extract Volume: 1
Lab Data File: L34826.D
QC Batch#: 96065

CAS No.	Parameter	Result	DL	Units
103-33-3	Azobenzene	ND	5.0	ug/L
83-32-9	Acenaphthene	ND	5.0	ug/L
208-96-8	Acenaphthylene	ND	5.0	ug/L
62-53-3	Aniline	ND	10	ug/L
120-12-7	Anthracene	ND	5.0	ug/L
92-52-4	Biphenyl	ND	5.0	ug/L
56-55-3	Benzo[a]anthracene	ND	5.0	ug/L
50-32-8	Benzo[a]pyrene	ND	5.0	ug/L
205-99-2	Benzo[b]fluoranthene	ND	5.0	ug/L
191-24-2	Benzo[g,h,i]perylene	ND	5.0	ug/L
207-08-9	Benzo[k]fluoranthene	ND	5.0	ug/L
65-85-0	Benzoic acid	ND	25	ug/L
100-51-6	Benzyl alcohol	ND	10	ug/L
85-68-7	Benzyl butyl phthalate	ND	5.0	ug/L
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	ug/L
111-44-4	Bis(2-chloroethyl)ether	ND	5.0	ug/L
108-60-1	Bis(2-chloroisopropyl)ether	ND	5.0	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	ug/L
59-50-7	4-Chloro-3-methylphenol	ND	5.0	ug/L
106-47-8	4-Chloroaniline	ND	10	ug/L
91-58-7	2-Chloronaphthalene	ND	5.0	ug/L
95-57-8	2-Chlorophenol	ND	5.0	ug/L
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	ug/L
218-01-9	Chrysene	ND	5.0	ug/L
53-70-3	Dibenz[a,h]anthracene	ND	5.0	ug/L
84-74-2	Di-n-butyl phthalate	ND	5.0	ug/L
117-84-0	Di-n-octyl phthalate	ND	5.0	ug/L
132-64-9	Dibenzofuran	ND	10	ug/L
95-50-1	1,2-Dichlorobenzene	ND	5.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	5.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	5.0	ug/L
91-94-1	3,3-Dichlorobenzidine	ND	5.0	ug/L
120-83-2	2,4-Dichlorophenol	ND	5.0	ug/L
84-66-2	Diethyl phthalate	ND	5.0	ug/L
131-11-3	Dimethyl phthalate	ND	5.0	ug/L
105-67-9	2,4-Dimethylphenol	ND	5.0	ug/L
51-28-5	2,4-Dinitrophenol	ND	5.0	ug/L
121-14-2	2,4-Dinitrotoluene	ND	5.0	ug/L
606-20-2	2,6-Dinitrotoluene	ND	5.0	ug/L

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 17
Sample Description: FB-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:41
Date Received: 06/08/2012 12:35
Date Extracted: 06/12/2012 10:30 By: DPR
Date Analyzed: 06/13/2012 14:00 By: GMP
Preparation Method: 3500
Analytical Method: 8270C

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 1000
Dilution Factor: 1
Extract Volume: 1
Lab Data File: L34826.D
QC Batch#: 96065

CAS No.	Parameter	Result	DL	Units
206-44-0	Fluoranthene	ND	5.0	ug/L
86-73-7	Fluorene	ND	5.0	ug/L
118-74-1	Hexachlorobenzene	ND	5.0	ug/L
87-68-3	Hexachlorobutadiene	ND	5.0	ug/L
77-47-4	Hexachlorocyclopentadiene	ND	5.0	ug/L
67-72-1	Hexachloroethane	ND	5.0	ug/L
193-39-5	Indeno[1,2,3-cd]pyrene	ND	5.0	ug/L
78-59-1	Isophorone	ND	5.0	ug/L
91-57-6	2-Methylnaphthalene	ND	5.0	ug/L
95-48-7	2-Methylphenol	ND	5.0	ug/L
108-39-4	3- & 4-Methylphenols	ND	10	ug/L
91-20-3	Naphthalene	ND	5.0	ug/L
88-74-4	2-Nitroaniline	ND	10	ug/L
99-09-2	3-Nitroaniline	ND	10	ug/L
100-01-6	4-Nitroaniline	ND	10	ug/L
98-95-3	Nitrobenzene	ND	5.0	ug/L
88-75-5	2-Nitrophenol	ND	5.0	ug/L
100-02-1	4-Nitrophenol	ND	5.0	ug/L
621-64-7	N-Nitrosodi-n-propylamine	ND	5.0	ug/L
62-75-9	N-Nitrosodimethylamine	ND	5.0	ug/L
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/L
87-86-5	Pentachlorophenol	ND	5.0	ug/L
85-01-8	Phenanthrene	ND	5.0	ug/L
108-95-2	Phenol	ND	5.0	ug/L
129-00-0	Pyrene	ND	5.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/L
95-95-4	2,4,5-Trichlorophenol	ND	5.0	ug/L
88-06-2	2,4,6-Trichlorophenol	ND	5.0	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	ND	5.0	ug/L

Sample QC

Surrogate	Recovery	QC Limits
2,4,6-Tribromophenol	55%	10%-109%
2-Fluorobiphenyl	45%	10%-86%
2-Fluorophenol	15%	10%-58%
4-Terphenyl-d14	55%	12%-107%
Nitrobenzene-d5	43%	10%-88%
Phenol-d6	12%	10%-46%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 17
Sample Description: FB-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:41
Date Received: 06/08/2012 12:35
Date Extracted: 06/13/2012 11:30 By: DPR
Date Analyzed: 06/14/2012 11:56 By: MRB
Preparation Method: ETPH
Analytical Method: ETPH

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 1000
Dilution Factor: 1
Extract Volume: 1
Lab Data File: 6061408.D
QC Batch#: 96265

CAS No.	Parameter	Result	DL	Units
	Connecticut ETPH	ND	0.10	mg/L

Sample QC

Surrogate	Recovery	QC Limits
1-Chlorooctadecane	83%	50%-150%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 17
Sample Description: FB-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:41
Date Received: 06/08/2012 12:35
Date Extracted: 06/11/2012 10:00 By: DPR
Date Analyzed: 06/14/2012 17:35 By: MRB
Preparation Method: 3500
Analytical Method: 8082

Matrix: Aqueous
Percent Moisture: N/A
Sample Weight/Volume: 1000
Dilution Factor: 1
Extract Volume: 2
Lab Data File: 8061419.D
QC Batch#: 96029

CAS No.	Parameter	Result	DL	Units
12674-11-2	Aroclor 1016	ND	0.40	ug/L
11104-28-2	Aroclor 1221	ND	0.40	ug/L
11141-16-5	Aroclor 1232	ND	0.40	ug/L
53469-21-9	Aroclor 1242	ND	0.40	ug/L
12672-29-6	Aroclor 1248	ND	0.40	ug/L
11097-69-1	Aroclor 1254	ND	0.40	ug/L
11096-82-5	Aroclor 1260	ND	0.40	ug/L

Sample QC

Surrogate	Recovery	QC Limits
Tetrachloro-m-xylene	85%	10%-126%
Decachlorobiphenyl	80%	10%-115%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 17
Sample Description: FB-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:41
Date Received: 06/08/2012 12:35
Date Analyzed: 06/13/2012 19:23 By: CT
Analytical Method: 8260B

Matrix: Aqueous
Percent Moisture: N/A
Dilution Factor: 1
Lab Data File: Q27273.D
QC Batch#: 96068

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 17
Sample Description: FB-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 15:41
Date Received: 06/08/2012 12:35
Date Analyzed: 06/13/2012 19:23 By: CT
Analytical Method: 8260B

Matrix: Aqueous
Percent Moisture: N/A
Dilution Factor: 1
Lab Data File: Q27273.D
QC Batch#: 96068

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	105%	88%-107%
Bromofluorobenzene	96%	90%-106%
Toluene-d8	102%	95%-107%

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 18
Sample Description: TB-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 00:00
Date Received: 06/08/2012 12:35
Date Analyzed: 06/15/2012 18:10 By: CT
Analytical Method: 8260B

Matrix: Aqueous
Percent Moisture: N/A
Dilution Factor: 1
Lab Data File: Q27333.D
QC Batch#: 96208

CAS No.	Parameter	Result	DL	Units
67-64-1	Acetone	ND	10	ug/L
107-13-1	Acrylonitrile	ND	0.50	ug/L
71-43-2	Benzene	ND	1.0	ug/L
108-86-1	Bromobenzene	ND	1.0	ug/L
74-97-5	Bromochloromethane	ND	1.0	ug/L
75-27-4	Bromodichloromethane	ND	1.0	ug/L
75-25-2	Bromoform	ND	1.0	ug/L
74-83-9	Bromomethane	ND	1.0	ug/L
78-93-3	2-Butanone (MEK)	ND	5.0	ug/L
104-51-8	n-Butylbenzene	ND	1.0	ug/L
135-98-8	sec-Butylbenzene	ND	1.0	ug/L
98-06-6	tert-Butylbenzene	ND	1.0	ug/L
75-15-0	Carbon disulfide	ND	1.0	ug/L
56-23-5	Carbon tetrachloride	ND	1.0	ug/L
108-90-7	Chlorobenzene	ND	1.0	ug/L
75-00-3	Chloroethane	ND	1.0	ug/L
67-66-3	Chloroform	ND	1.0	ug/L
74-87-3	Chloromethane	ND	1.0	ug/L
95-49-8	2-Chlorotoluene	ND	1.0	ug/L
106-43-4	4-Chlorotoluene	ND	1.0	ug/L
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	ND	0.50	ug/L
124-48-1	Dibromochloromethane	ND	0.50	ug/L
106-93-4	1,2-Dibromoethane (EDB)	ND	0.50	ug/L
74-95-3	Dibromomethane	ND	1.0	ug/L
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/L
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/L
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/L
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/L
75-34-3	1,1-Dichloroethane	ND	1.0	ug/L
107-06-2	1,2-Dichloroethane	ND	1.0	ug/L
75-35-4	1,1-Dichloroethene	ND	1.0	ug/L
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/L
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/L
78-87-5	1,2-Dichloropropane	ND	1.0	ug/L
142-28-9	1,3-Dichloropropane	ND	1.0	ug/L
594-20-7	2,2-Dichloropropane	ND	1.0	ug/L
563-58-6	1,1-Dichloropropene	ND	1.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/L
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/L
60-29-7	Diethyl ether	ND	1.0	ug/L

Premier Laboratory, Inc
Analytical Data Report

Report No: E206479
Sample No: 18
Sample Description: TB-1

Customer: Maguire Group, Inc
Project: E. Main St. over Beaver Brook

Date Collected: 06/07/2012 00:00
Date Received: 06/08/2012 12:35
Date Analyzed: 06/15/2012 18:10 By: CT
Analytical Method: 8260B

Matrix: Aqueous
Percent Moisture: N/A
Dilution Factor: 1
Lab Data File: Q27333.D
QC Batch#: 96208

CAS No.	Parameter	Result	DL	Units
123-91-1	1,4-Dioxane	ND	20	ug/L
100-41-4	Ethylbenzene	ND	1.0	ug/L
87-68-3	Hexachlorobutadiene	ND	0.50	ug/L
591-78-6	2-Hexanone	ND	5.0	ug/L
98-82-8	Isopropylbenzene	ND	1.0	ug/L
99-87-6	4-Isopropyltoluene	ND	1.0	ug/L
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	1.0	ug/L
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L
75-09-2	Methylene chloride	ND	5.0	ug/L
91-20-3	Naphthalene	ND	1.0	ug/L
103-65-1	n-Propylbenzene	ND	1.0	ug/L
100-42-5	Styrene	ND	1.0	ug/L
109-99-9	Tetrahydrofuran	ND	1.0	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L
96-18-4	1,2,3-Trichloropropane	ND	1.0	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	ug/L
127-18-4	Tetrachloroethene (PCE)	ND	1.0	ug/L
108-88-3	Toluene	ND	1.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	ug/L
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/L
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/L
79-01-6	Trichloroethene (TCE)	ND	1.0	ug/L
75-69-4	Trichlorofluoromethane	ND	1.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	ND	1.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	ND	1.0	ug/L
75-01-4	Vinyl chloride	ND	1.0	ug/L
95-47-6	o-Xylene	ND	1.0	ug/L
108-38-3	m,p-Xylenes	ND	1.0	ug/L

Sample QC

Surrogate	Recovery	QC Limits
1,2-Dichloroethane-d4	100%	88%-107%
Bromofluorobenzene	94%	90%-106%
Toluene-d8	101%	95%-107%

FORM 2
Water 8260B Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 95968 Location: Waterbury, CT

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	VBLK0611	93	92	105				0
2	VLCS0611	103	96	99				0

QC Limits

S1 = 1,2-Dichloroethane-d4 (80-120)
S2 = Bromofluorobenzene (80-120)
S3 = Toluene-d8 (80-120)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Water 8260B Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96019 Location: Waterbury, CT

	Lab Sample No.	S7 %Rec #	S8 %Rec #	S9 %Rec #	S10 %Rec #	S11 %Rec #	S12 %Rec #	Tot Out
1	VLCS0612	106	92	100				0

QC Limits

S7 = 1,2-Dichloroethane-d4 (80-120)
S8 = Bromofluorobenzene (80-120)
S9 = Toluene-d8 (80-120)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Water 8260B Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96068 Location: Waterbury, CT

	Lab Sample No.	S13 %Rec #	S14 %Rec #	S15 %Rec #	S16 %Rec #	S17 %Rec #	S18 %Rec #	Tot Out
1	E206336-4E	99	98	102				0
2	E206479-16B	103	97	101				0
3	E206479-16BMS	102	104	100				0
4	E206479-16BMSD	100	102	100				0
5	E206479-17B	105	96	102				0
6	VLCSICV	98	104	100				0

QC Limits

S13= 1,2-Dichloroethane-d4 (88-107)
S14= Bromofluorobenzene (90-106)
S15= Toluene-d8 (95-107)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Water 8260B Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96208 Location: Waterbury, CT

	Lab Sample No.	S19 %Rec #	S20 %Rec #	S21 %Rec #	S22 %Rec #	S23 %Rec #	S24 %Rec #	Tot Out
1	E206479-18	100	94	101				0
2	VBLK0615	99	97	102				0
3	VLCSICV	98	103	100				0

QC Limits

S19= 1,2-Dichloroethane-d4 (88-107)
S20= Bromofluorobenzene (90-106)
S21= Toluene-d8 (95-107)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Soil 8260B Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 95968 Location: Waterbury, CT

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	E206479-10B	112	71	124				0
2	E206479-12B	125 *	74	108				1
3	E206479-1B	114	79	111				0
4	E206479-2B	114	83	104				0
5	E206479-3B	112	86	103				0
6	E206479-6B	113	65 *	128 *				2
7	E206479-8B	110	76	115				0

QC Limits

S1 = 1,2-Dichloroethane-d4 (82-120)
S2 = Bromofluorobenzene (70-122)
S3 = Toluene-d8 (77-126)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Soil 8260B Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96019 Location: Waterbury, CT

	Lab Sample No.	S7 %Rec #	S8 %Rec #	S9 %Rec #	S10 %Rec #	S11 %Rec #	S12 %Rec #	Tot Out
1	E206479-11B	121 *	78	106				1
2	E206479-13B	118	84	107				0
3	E206479-14B	111	76	110				0
4	E206479-15B	112	80	105				0
5	E206479-4B	121 *	80	105				1
6	E206479-5B	122 *	78	107				1
7	E206479-7B	122 *	78	110				1
8	E206479-9B	122 *	77	106				1

QC Limits

S7 = 1,2-Dichloroethane-d4 (82-120)
S8 = Bromofluorobenzene (70-122)
S9 = Toluene-d8 (77-126)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/11/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCS0611 Location: Waterbury, CT

Lab File ID: J48271.D Batch No.: 95968

Compound	Spike Added (ug/kg)	Sample Concentration (ug/kg)	% Rec #	QC Limits Rec
1,1,1-Trichloroethane	50.00	46.15	92	70-130
1,1-Dichloroethene	50.00	45.86	92	70-130
1,2-Dichlorobenzene	50.00	44.19	88	70-130
1,2-Dichloropropane	50.00	47.94	96	70-130
Benzene	50.00	48.58	97	70-130
Bromobenzene	50.00	47.66	95	70-130
Chlorobenzene	50.00	43.53	87	70-130
Chloroform	50.00	45.74	91	70-130
Dibromomethane	50.00	48.15	96	70-130
Ethylbenzene	50.00	48.58	97	70-130
Hexachlorobutadiene	50.00	46.86	94	70-130
Tetrachloroethene (PCE)	50.00	43.67	87	70-130
Toluene	50.00	47.38	95	70-130
trans-1,2-Dichloroethene	50.00	48.47	97	70-130
Trichloroethene (TCE)	50.00	47.79	96	70-130
Vinyl chloride	50.00	49.30	99	70-130

FORM 3
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/12/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCS0612 Location: Waterbury, CT

Lab File ID: J48298A.D Batch No.: 96019

Compound	Spike Added (ug/kg)	Sample Concentration (ug/kg)	% Rec #	QC Limits Rec
1,1,1-Trichloroethane	50.00	46.93	94	70-130
1,1-Dichloroethene	50.00	51.84	104	70-130
1,2-Dichlorobenzene	50.00	41.62	83	70-130
1,2-Dichloropropane	50.00	47.30	95	70-130
Benzene	50.00	48.07	96	70-130
Bromobenzene	50.00	43.55	87	70-130
Chlorobenzene	50.00	41.39	83	70-130
Chloroform	50.00	45.23	90	70-130
Dibromomethane	50.00	45.56	91	70-130
Ethylbenzene	50.00	47.85	96	70-130
Hexachlorobutadiene	50.00	44.06	88	70-130
Tetrachloroethene (PCE)	50.00	41.96	84	70-130
Toluene	50.00	46.34	93	70-130
trans-1,2-Dichloroethene	50.00	51.34	103	70-130
Trichloroethene (TCE)	50.00	45.76	92	70-130
Vinyl chloride	50.00	48.51	97	70-130

FORM 3
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/13/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCSICV Location: Waterbury, CT

Lab File ID: Q27259.D Batch No.: 96068

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	49.21	98	70-130
1,1,1-Trichloroethane	50.00	53.25	106	73-130
1,1,2,2-Tetrachloroethane	50.00	48.76	98	70-130
1,1,2-Trichloroethane	50.00	48.51	97	70-130
1,1-Dichloroethane	50.00	48.87	98	70-130
1,1-Dichloroethene	50.00	47.39	95	70-130
1,1-Dichloropropene	50.00	53.94	108	70-130
1,2,3-Trichloropropane	50.00	45.77	92	70-130
1,2,4-Trichlorobenzene	50.00	46.03	92	70-130
1,2,4-Trimethylbenzene	50.00	51.13	102	70-130
1,2-Dibromo-3-chloropropan	50.00	46.63	93	70-130
1,2-Dibromoethane (EDB)	50.00	50.13	100	70-130
1,2-Dichlorobenzene	50.00	43.82	88	74-127
1,2-Dichloroethane	50.00	49.86	100	70-130
1,2-Dichloropropane	50.00	49.54	99	75-124
1,3,5-Trimethylbenzene	50.00	51.54	103	70-130
1,3-Dichlorobenzene	50.00	43.12	86	70-130
1,3-Dichloropropane	50.00	50.61	101	70-130
1,4-Dichlorobenzene	50.00	47.57	95	70-130
2,2-Dichloropropane	50.00	44.92	90	70-130
2-Butanone (MEK)	50.00	51.86	104	70-130
2-Chlorotoluene	50.00	46.07	92	70-130
2-Hexanone	50.00	48.58	97	70-130
2-Isopropyltoluene	50.00	46.55	93	70-130
4-Chlorotoluene	50.00	44.85	90	70-130
4-Isopropyltoluene	50.00	46.55	93	70-130
4-Methyl-2-pentanone (MIBK	50.00	52.72	105	70-130
Acetone	50.00	44.84	90	70-130
Acrylonitrile	50.00	49.21	98	70-130
Benzene	50.00	50.38	101	75-129
Bromobenzene	50.00	46.34	93	71-125
Bromochloromethane	50.00	48.51	97	70-130
Bromodichloromethane	50.00	49.00	98	70-130
Bromoform	50.00	52.80	106	70-130
Bromomethane	50.00	47.15	94	70-130
Carbon disulfide	50.00	54.66	109	70-130
Carbon tetrachloride	50.00	51.33	103	70-130
Chlorobenzene	50.00	45.05	90	74-123
Chloroethane	50.00	50.12	100	70-130
Chloroform	50.00	48.68	97	75-125
Chloromethane	50.00	42.31	85	70-130
cis-1,2-Dichloroethene	50.00	49.64	99	70-130

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

FORM 3
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/13/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCSICV Location: Waterbury, CT

Lab File ID: Q27259.D Batch No.: 96068

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
cis-1,3-Dichloropropene	50.00	55.64	111	70-130
Dibromochloromethane	50.00	49.60	99	70-130
Dibromomethane	50.00	48.04	96	76-124
Ethylbenzene	50.00	51.01	102	75-127
Methyl iodide	50.00	38.88	78	70-130
Methylene chloride	50.00	46.52	93	70-130
n-Butylbenzene	50.00	47.39	95	70-130
n-Propylbenzene	50.00	43.92	88	70-130
Naphthalene	50.00	48.05	96	70-130
sec-Butylbenzene	50.00	47.71	95	70-130
Styrene	50.00	49.66	99	70-130
tert-Butylbenzene	50.00	45.10	90	70-130
Tetrachloroethene (PCE)	50.00	48.77	98	70-130
Tetrahydrofuran	50.00	52.27	104	70-130
Toluene	50.00	49.42	99	72-128
trans-1,2-Dichloroethene	50.00	50.40	101	73-130
trans-1,3-Dichloropropene	50.00	49.81	100	70-130
trans-1,4-Dichloro-2-buten	50.00	44.57	89	70-130
Trichloroethene (TCE)	50.00	49.66	99	71-125
Trichlorofluoromethane	50.00	44.42	89	70-130
Vinyl acetate	50.00	49.87	100	70-130
Vinyl chloride	50.00	48.72	97	70-130

FORM 3
Water 8260B Lab Control Sample Duplicate

Lab Name: Premier Laboratory, Inc Date Analyzed 6/13/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCSICV Location: Waterbury, CT

Lab File ID: Q27260.D Batch No.: 96068

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits RPD	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	46.37	93	5.24	20	70-130
1,1,1-Trichloroethane	50.00	50.77	102	3.85	20	73-130
1,1,2,2-Tetrachloroethane	50.00	48.26	96	2.06	20	70-130
1,1,2-Trichloroethane	50.00	47.92	96	1.04	20	70-130
1,1-Dichloroethane	50.00	47.90	96	2.06	20	70-130
1,1-Dichloroethene	50.00	46.46	93	2.13	20	70-130
1,1-Dichloropropene	50.00	50.78	102	5.71	20	70-130
1,2,3-Trichloropropane	50.00	45.16	90	2.20	20	70-130
1,2,4-Trichlorobenzene	50.00	42.89	86	6.74	20	70-130
1,2,4-Trimethylbenzene	50.00	48.38	97	5.02	20	70-130
1,2-Dibromo-3-chloropropan	50.00	46.03	92	1.08	20	70-130
1,2-Dibromoethane (EDB)	50.00	48.98	98	2.02	20	70-130
1,2-Dichlorobenzene	50.00	41.19	82	7.06	20	74-127
1,2-Dichloroethane	50.00	49.52	99	1.00	20	70-130
1,2-Dichloropropane	50.00	48.45	97	2.04	20	75-124
1,3,5-Trimethylbenzene	50.00	48.51	97	6.00	20	70-130
1,3-Dichlorobenzene	50.00	39.67	79	8.48	20	70-130
1,3-Dichloropropane	50.00	48.87	98	3.02	20	70-130
1,4-Dichlorobenzene	50.00	44.74	89	6.52	20	70-130
2,2-Dichloropropane	50.00	43.81	88	2.25	20	70-130
2-Butanone (MEK)	50.00	52.23	104	0	20	70-130
2-Chlorotoluene	50.00	42.61	85	7.91	20	70-130
2-Hexanone	50.00	47.33	95	2.08	20	70-130
2-Isopropyltoluene	50.00	44.38	89	4.40	20	70-130
4-Chlorotoluene	50.00	42.45	85	5.71	20	70-130
4-Isopropyltoluene	50.00	44.38	89	4.40	20	70-130
4-Methyl-2-pentanone (MIBK	50.00	52.63	105	0	20	70-130
Acetone	50.00	45.62	91	1.10	20	70-130
Acrylonitrile	50.00	50.64	101	3.02	20	70-130
Benzene	50.00	48.10	96	5.08	20	75-129
Bromobenzene	50.00	43.72	87	6.67	20	71-125
Bromochloromethane	50.00	47.16	94	3.14	20	70-130
Bromodichloromethane	50.00	47.50	95	3.11	20	70-130
Bromoform	50.00	50.41	101	4.83	20	70-130
Bromomethane	50.00	46.29	92	2.15	20	70-130
Carbon disulfide	50.00	52.44	105	3.74	20	70-130
Carbon tetrachloride	50.00	47.69	95	8.08	20	70-130
Chlorobenzene	50.00	41.72	83	8.09	20	74-123
Chloroethane	50.00	48.09	96	4.08	20	70-130
Chloroform	50.00	47.37	95	2.08	20	75-125
Chloromethane	50.00	42.53	85	0	20	70-130
cis-1,2-Dichloroethene	50.00	48.38	97	2.04	20	70-130

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

FORM 3
Water 8260B Lab Control Sample Duplicate

Lab Name: Premier Laboratory, Inc Date Analyzed 6/13/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCSICV Location: Waterbury, CT

Lab File ID: Q27260.D Batch No.: 96068

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits RPD	QC Limits Rec
cis-1,3-Dichloropropene	50.00	52.71	105	5.56	20	70-130
Dibromochloromethane	50.00	48.08	96	3.08	20	70-130
Dibromomethane	50.00	48.38	97	1.04	20	76-124
Ethylbenzene	50.00	46.13	92	10.3	20	75-127
Methyl iodide	50.00	41.91	84	7.41	20	70-130
Methylene chloride	50.00	45.63	91	2.17	20	70-130
n-Butylbenzene	50.00	44.56	89	6.52	20	70-130
n-Propylbenzene	50.00	41.27	82	7.06	20	70-130
Naphthalene	50.00	46.84	94	2.10	20	70-130
sec-Butylbenzene	50.00	45.64	91	4.30	20	70-130
Styrene	50.00	45.48	91	8.42	20	70-130
tert-Butylbenzene	50.00	42.64	85	5.71	20	70-130
Tetrachloroethene (PCE)	50.00	44.27	88	10.8	20	70-130
Tetrahydrofuran	50.00	51.95	104	0	20	70-130
Toluene	50.00	45.34	91	8.42	20	72-128
trans-1,2-Dichloroethene	50.00	48.49	97	4.04	20	73-130
trans-1,3-Dichloropropene	50.00	47.78	96	4.08	20	70-130
trans-1,4-Dichloro-2-buten	50.00	41.76	84	5.78	20	70-130
Trichloroethene (TCE)	50.00	46.22	92	7.33	20	71-125
Trichlorofluoromethane	50.00	43.60	87	2.27	20	70-130
Vinyl acetate	50.00	48.93	98	2.02	20	70-130
Vinyl chloride	50.00	49.33	99	2.04	20	70-130

FORM 3
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/15/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCSICV Location: Waterbury, CT

Lab File ID: Q27329.D Batch No.: 96208

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	47.57	95	70-130
1,1,1-Trichloroethane	50.00	55.39	111	70-130
1,1,2,2-Tetrachloroethane	50.00	48.76	98	70-130
1,1,2-Trichloroethane	50.00	47.04	94	70-130
1,1-Dichloroethane	50.00	50.36	101	70-130
1,1-Dichloroethene	50.00	52.52	105	70-130
1,1-Dichloropropene	50.00	56.76	114	70-130
1,2,3-Trichlorobenzene	50.00	48.64	97	70-130
1,2,4-Trichlorobenzene	50.00	48.66	97	70-130
1,2,4-Trimethylbenzene	50.00	52.95	106	70-130
1,2-Dibromoethane (EDB)	50.00	49.81	100	70-130
1,2-Dichlorobenzene	50.00	44.68	89	70-130
1,2-Dichloroethane	50.00	48.40	97	70-130
1,2-Dichloropropane	50.00	50.44	101	70-130
1,3,5-Trimethylbenzene	50.00	54.54	109	70-130
1,3-Dichlorobenzene	50.00	44.13	88	70-130
1,3-Dichloropropane	50.00	50.35	101	70-130
1,4-Dichlorobenzene	50.00	50.15	100	70-130
1,4-Dioxane	50.00	51.64	103	70-130
2,2-Dichloropropane	50.00	48.76	98	70-130
2-Butanone (MEK)	50.00	47.90	96	70-130
4-Chlorotoluene	50.00	46.08	92	70-130
4-Isopropyltoluene	50.00	53.11	106	70-130
4-Methyl-2-pentanone (MIBK	50.00	49.00	98	70-130
Acetone	50.00	47.03	94	70-130
Benzene	50.00	51.34	103	70-130
Bromobenzene	50.00	47.74	95	70-130
Bromochloromethane	50.00	48.42	97	70-130
Bromodichloromethane	50.00	48.44	97	70-130
Bromoform	50.00	52.82	106	70-130
Bromomethane	50.00	47.80	96	70-130
Carbon disulfide	50.00	62.82	126	70-130
Carbon tetrachloride	50.00	56.22	112	70-130
Chlorobenzene	50.00	46.40	93	70-130
Chloroform	50.00	50.67	101	70-130
Chloromethane	50.00	46.46	93	70-130
cis-1,2-Dichloroethene	50.00	50.67	101	70-130
cis-1,3-Dichloropropene	50.00	54.04	108	70-130
Di-isopropyl ether (DIPE)	50.00	47.29	94	70-130
Dibromochloromethane	50.00	46.93	94	70-130
Dibromomethane	50.00	48.06	96	70-130
Dichlorodifluoromethane	50.00	44.44	89	70-130

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

FORM 3
Water 8260B Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/15/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCSICV Location: Waterbury, CT

Lab File ID: Q27329.D Batch No.: 96208

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
Ethyl tertiary-butyl ether	50.00	48.19	96	70-130
Ethylbenzene	50.00	52.41	105	70-130
Hexachlorobutadiene	50.00	55.46	111	70-130
Isopropylbenzene	50.00	49.51	99	70-130
m,p-Xylenes	100.0	104.7	105	70-130
Methyl tert-butyl ether (M	50.00	49.82	100	70-130
Methylene chloride	50.00	52.03	104	70-130
n-Butylbenzene	50.00	56.68	113	70-130
n-Propylbenzene	50.00	48.08	96	70-130
Naphthalene	50.00	49.85	100	70-130
o-Xylene	50.00	49.87	100	70-130
sec-Butylbenzene	50.00	52.17	104	70-130
Styrene	50.00	54.93	110	70-130
tert-Butylbenzene	50.00	52.53	105	70-130
Tertiary-amyl methyl ether	50.00	47.39	95	70-130
Tetrachloroethene (PCE)	50.00	52.57	105	70-130
Toluene	50.00	53.06	106	70-130
trans-1,2-Dichloroethene	50.00	52.58	105	70-130
trans-1,3-Dichloropropene	50.00	50.37	101	70-130
Trichloroethene (TCE)	50.00	51.96	104	70-130
Trichlorofluoromethane	50.00	51.99	104	70-130
Vinyl chloride	50.00	53.10	106	70-130

FORM 3
Water 8260B Lab Control Sample Duplicate

Lab Name: Premier Laboratory, Inc Date Analyzed 6/15/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCSICV Location: Waterbury, CT

Lab File ID: Q27330.D Batch No.: 96208

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits RPD	QC Limits Rec
1,1,1,2-Tetrachloroethane	50.00	47.61	95	0	25	70-130
1,1,1-Trichloroethane	50.00	55.31	111	0	25	70-130
1,1,2,2-Tetrachloroethane	50.00	50.19	100	2.02	25	70-130
1,1,2-Trichloroethane	50.00	48.08	96	2.10	25	70-130
1,1-Dichloroethane	50.00	50.01	100	1.0	25	70-130
1,1-Dichloroethene	50.00	53.21	106	0.95	25	70-130
1,1-Dichloropropene	50.00	56.90	114	0	25	70-130
1,2,3-Trichlorobenzene	50.00	51.12	102	5.02	25	70-130
1,2,4-Trichlorobenzene	50.00	50.98	102	5.02	25	70-130
1,2,4-Trimethylbenzene	50.00	53.81	108	1.87	25	70-130
1,2-Dibromoethane (EDB)	50.00	50.46	101	1.0	25	70-130
1,2-Dichlorobenzene	50.00	46.53	93	4.40	25	70-130
1,2-Dichloroethane	50.00	48.64	97	0	25	70-130
1,2-Dichloropropane	50.00	50.80	102	0.98	25	70-130
1,3,5-Trimethylbenzene	50.00	56.02	112	2.71	25	70-130
1,3-Dichlorobenzene	50.00	45.20	90	2.25	25	70-130
1,3-Dichloropropane	50.00	50.59	101	0	25	70-130
1,4-Dichlorobenzene	50.00	51.04	102	1.98	25	70-130
1,4-Dioxane	50.00	48.43	97	6.00	25	70-130
2,2-Dichloropropane	50.00	48.57	97	1.02	25	70-130
2-Butanone (MEK)	50.00	48.98	98	2.06	25	70-130
4-Chlorotoluene	50.00	47.16	94	2.15	25	70-130
4-Isopropyltoluene	50.00	54.51	109	2.79	25	70-130
4-Methyl-2-pentanone (MIBK	50.00	50.34	101	3.02	25	70-130
Acetone	50.00	46.96	94	0	25	70-130
Benzene	50.00	51.98	104	0.97	25	70-130
Bromobenzene	50.00	49.05	98	3.11	25	70-130
Bromochloromethane	50.00	48.40	97	0	25	70-130
Bromodichloromethane	50.00	48.72	97	0	25	70-130
Bromoform	50.00	52.04	104	1.90	25	70-130
Bromomethane	50.00	50.38	101	5.08	25	70-130
Carbon disulfide	50.00	63.40	127	0.79	25	70-130
Carbon tetrachloride	50.00	56.26	112	0	25	70-130
Chlorobenzene	50.00	46.39	93	0	25	70-130
Chloroform	50.00	49.51	99	2.00	25	70-130
Chloromethane	50.00	47.00	94	1.07	25	70-130
cis-1,2-Dichloroethene	50.00	50.21	100	1.0	25	70-130
cis-1,3-Dichloropropene	50.00	54.00	108	0	25	70-130
Di-isopropyl ether (DIPE)	50.00	46.75	94	0	25	70-130
Dibromochloromethane	50.00	47.42	95	1.06	25	70-130
Dibromomethane	50.00	48.77	98	2.06	25	70-130
Dichlorodifluoromethane	50.00	45.78	92	3.31	25	70-130

Column to be used to flag recovery values with an asterisk
* Values outside of QC limits

FORM 3
Water 8260B Lab Control Sample Duplicate

Lab Name: Premier Laboratory, Inc Date Analyzed 6/15/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: VLCSICV Location: Waterbury, CT

Lab File ID: Q27330.D Batch No.: 96208

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	RPD #	QC Limits RPD	QC Limits Rec
Ethyl tertiary-butyl ether	50.00	47.85	96	0	25	70-130
Ethylbenzene	50.00	52.84	106	0.95	25	70-130
Hexachlorobutadiene	50.00	57.84	116	4.40	25	70-130
Isopropylbenzene	50.00	51.23	102	2.98	25	70-130
m,p-Xylenes	100.0	104.8	105	0	25	70-130
Methyl tert-butyl ether (M	50.00	49.18	98	2.02	25	70-130
Methylene chloride	50.00	50.89	102	1.94	25	70-130
n-Butylbenzene	50.00	58.54	117	3.48	25	70-130
n-Propylbenzene	50.00	49.24	98	2.06	25	70-130
Naphthalene	50.00	52.21	104	3.92	25	70-130
o-Xylene	50.00	49.47	99	1.00	25	70-130
sec-Butylbenzene	50.00	54.46	109	4.69	25	70-130
Styrene	50.00	54.47	109	0.91	25	70-130
tert-Butylbenzene	50.00	53.76	108	2.82	25	70-130
Tertiary-amyl methyl ether	50.00	47.06	94	1.06	25	70-130
Tetrachloroethene (PCE)	50.00	52.77	106	0.95	25	70-130
Toluene	50.00	53.02	106	0	25	70-130
trans-1,2-Dichloroethene	50.00	52.45	105	0	25	70-130
trans-1,3-Dichloropropene	50.00	49.70	99	2.00	25	70-130
Trichloroethene (TCE)	50.00	52.51	105	0.96	25	70-130
Trichlorofluoromethane	50.00	52.62	105	0.96	25	70-130
Vinyl chloride	50.00	55.64	111	4.61	25	70-130

FORM 3
Water 8260B Matrix Spike/Matrix Spike Duplicate Recovery

Lab Name: Premier Laboratory, Inc Date Analyzed 6/13/2012 7:00:00PM

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: E206479-16B Location: Waterbury, CT

Batch No.: 96068

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS % Rec #	QC Limits Rec
1,1,1-Trichloroethane	50.00	0	74.88	150*	73-130
1,1-Dichloroethene	50.00	0	68.39	137*	70-130
1,2-Dichlorobenzene	50.00	0	56.92	114	74-127
1,2-Dichloropropane	50.00	0	51.74	103	75-124
Benzene	50.00	0	58.94	118	75-129
Bromobenzene	50.00	0	57.34	115	71-125
Chlorobenzene	50.00	0	57.36	115	74-123
Chloroform	50.00	0	51.71	103	75-125
Dibromomethane	50.00	0	47.36	95	76-124
Ethylbenzene	50.00	0	79.32	159*	75-127
Hexachlorobutadiene	50.00	0	91.77	184*	70-130
Tetrachloroethene (PCE)	50.00	0	85.35	171*	70-130
Toluene	50.00	2.88	67.71	130*	72-128
trans-1,2-Dichloroethen	50.00	0	63.64	127	73-130
Trichloroethene (TCE)	50.00	0	65.83	132*	71-125
Vinyl chloride	50.00	0	73.36	147*	70-130

Compound	Spike Added (ug/L)	MSD Concentration (ug/L)	MSD % Rec #	% RPD #	QC Limits RPD	QC Limits Rec
1,1,1-Trichloroethane	50.00	72.40	145*	3.39	20	73-130
1,1-Dichloroethene	50.00	67.69	135*	1.47	20	70-130
1,2-Dichlorobenzene	50.00	56.66	113	0.88	20	74-127
1,2-Dichloropropane	50.00	51.19	102	0.98	20	75-124
Benzene	50.00	58.07	116	1.71	20	75-129
Bromobenzene	50.00	55.97	112	2.64	20	71-125
Chlorobenzene	50.00	57.33	115	0	20	74-123
Chloroform	50.00	50.77	102	0.98	20	75-125
Dibromomethane	50.00	47.60	95	0	20	76-124
Ethylbenzene	50.00	78.31	157*	1.26	20	75-127
Hexachlorobutadiene	50.00	90.59	181*	1.64	20	70-130
Tetrachloroethene (PCE)	50.00	84.42	169*	1.18	20	70-130
Toluene	50.00	67.12	128	1.55	20	72-128
trans-1,2-Dichloroethen	50.00	61.47	123	3.20	20	73-130
Trichloroethene (TCE)	50.00	64.95	130*	1.53	20	71-125
Vinyl chloride	50.00	74.46	149*	1.35	20	70-130

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 16 outside limits
Spike Recovery: 15 out of 32 outside limits

FORM 4
8260B Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: J48274.D Lab Sample ID: VBLK0611

Matrix: Water Date Analyzed: 6/11/2012

Instrument ID: MS8

Batch No.: 95968 Time Analyzed: 1010

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-1B	SED-1	J48279.D;J483	6/11/2012
2	E206479-2B	SED-2	J48280.D;J483	6/11/2012
3	E206479-3B	SED-3	J48285.D;J483	6/11/2012
4	E206479-6B	GP-3 4'-8'	J48288.D;J483	6/11/2012
5	E206479-8B	GP-5 2'-4'	J48290.D;J483	6/11/2012
6	E206479-10B	GP-7 4'-8'	J48292.D;J483	6/11/2012
7	E206479-12B	GP-9 2'-4'	J48294.D;J483	6/11/2012
8	VLCS0611	VLCS0611	J48271.D	6/11/2012

FORM 4
8260B Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: Q27332.D Lab Sample ID: VBLK0615

Matrix: Water Date Analyzed: 6/15/2012

Instrument ID: GCMS 14

Batch No.: 96208 Time Analyzed: 1747

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-18	TB-1	Q27333.D	6/15/2012
2	VLCSD0615	VLCSD0615	Q27330.D	6/15/2012
3	VLCSICV	VLCSICV	Q27329.D	6/15/2012

FORM 4
8260B Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: Q27258.D Lab Sample ID: E206336-4E

Matrix: Water Date Analyzed: 6/13/2012

Instrument ID: GCMS 14

Batch No.: 96068 Time Analyzed: 1332

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-16B	GP-8 GW	Q27272.D	6/13/2012
2	E206479-17B	FB-1	Q27273.D	6/13/2012
3	E206479-16BMS	E206479-16BMS	Q27274.D	6/13/2012
4	E206479-16BMSD	E206479-16BMSD	Q27275.D	6/13/2012
5	VLCSDICV	VLCSDICV	Q27260.D	6/13/2012
6	VLCSICV	VLCSICV	Q27259.D	6/13/2012

FORM 2
Water 8082 Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96029 Location: Waterbury, CT

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	B0611BA-1		49		84		48	0
2	E206479-16A	67		73		67		0
1	E206479-17A	80		85		79		0
1	LCS0611A-1		54		88		53	0

QC Limits

S1 = Decachlorobiphenyl (10-125)
S2 = Decachlorobiphenyl (30-150)
S3 = Tetrachloro-m-xylene (11-111)
S4 = Tetrachloro-m-xylene (30-150)
S5 = Decachlorobiphenyl #2 (16-128)
S6 = Decachlorobiphenyl #2 (30-150)

FORM 2
Water 8082 Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96029 Location: Waterbury, CT

	Lab Sample No.	S7 %Rec #	S8 %Rec #	S9 %Rec #	S10 %Rec #	S11 %Rec #	S12 %Rec #	Tot Out
1	E206479-16A	66						0
1	E206479-17A	96						0

QC Limits
S7 = Tetrachloro-m-xylene #2 (37-104)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Soil 8082 Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96273 Location: Waterbury, CT

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	B0614BS-1	87	84	94	102			0
2	E206479-10A	125	72	131	51			0
3	E206479-11A	120	73	255 *	50			1
4	E206479-12A	104	76	149	58			0
5	E206479-13A	98	65	182 *	44			1
6	E206479-14A	60	63	271 *	43			1
7	E206479-15A	89	80	87	60			0
8	E206479-1A	87	68	82	58			0
9	E206479-2A	88	65	83	50			0
10	E206479-3A	102	67	99	48			0
11	LCS0614S-1	103	100	121	114			0

QC Limits

S1 = Decachlorobiphenyl (30-150)
S2 = Tetrachloro-m-xylene (30-150)
S3 = Decachlorobiphenyl #2 (30-150)
S4 = Tetrachloro-m-xylene #2 (30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
Water 8082 Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/12/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: LCS0611A-1 Location: Waterbury, CT

Lab File ID: K061212.D Batch No.: 96029

Compound	Spike Added ()	Sample Concentration ()	% Rec #	QC Limits Rec
Aroclor 1016	4.000	3.870	97	40-140
Aroclor 1260	4.000	3.871	97	40-140
Aroclor 1016 #2	4.000	3.940	98	40-140
Aroclor 1260 #2	4.000	3.811	95	40-140

FORM 3
Soil 8082 Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/19/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: LCS0614S-1 Location: Waterbury, CT

Lab File ID: 8061904.D Batch No.: 96273

Compound	Spike Added ()	Sample Concentration ()	% Rec #	QC Limits Rec
Aroclor 1016	133.3	112.6	84	40-140
Aroclor 1260	133.3	121.8	91	40-140
Aroclor 1016 #2	133.3	128.0	96	40-140
Aroclor 1260 #2	133.3	147.9	111	40-140

FORM 4
8082 Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: K061211.D Lab Sample ID: B0611BA-1

Matrix: Water Date Analyzed: 6/12/2012

Instrument ID: GC16 Date Extracted: 6/11/2012

Batch No.: 96029 Time Analyzed: 1341

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-16A	GP-8 GW	8061418.D	6/14/2012
2	E206479-17A	FB-1	8061419.D	6/14/2012
3	E206227-6 MS	E206227-6 MS	K061215.D	6/12/2012
4	E206227-6 MSD	E206227-6 MSD	K061216.D	6/12/2012
5	E206452-3 MS	E206452-3 MS	K061238.D	6/12/2012
6	E206452-3 MSD	E206452-3 MSD	K061239.D	6/12/2012
7	LCS0611A-1	LCS0611A-1	K061212.D	6/12/2012

FORM 4
8082 Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: 8061903.D Lab Sample ID: B0614BS-1

Matrix: Soil Date Analyzed: 6/19/2012

Instrument ID: GC8 Date Extracted: 6/14/2012

Batch No.: 96273 Time Analyzed: 1244

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-1A	SED-1	8061905.D	6/19/2012
2	E206479-2A	SED-2	8061906.D	6/19/2012
3	E206479-3A	SED-3	8061907.D	6/19/2012
4	E206479-10A	GP-7 4'-8'	8061908.D	6/19/2012
5	E206479-11A	GP-8 2'-4'	8061909.D	6/19/2012
6	E206479-12A	GP-9 2'-4'	8061910.D	6/19/2012
7	E206479-13A	GP-10 0'-2'	8061911.D	6/19/2012
8	E206479-14A	GP-11 0'-2'	8061912.D	6/19/2012
9	E206479-15A	GP-12 0'-2'	8061913.D	6/19/2012
10	LCS0614S-1	LCS0614S-1	8061904.D	6/19/2012

FORM 2
Water 8270C Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96065 Location: Waterbury, CT

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	E206479-16A	44	36	15	48	34	10	0
2	E206479-17A	55	45	15	55	43	12	0
3	LCS0612A-1	55	44	21	69	42	15	0
4	S0612BA-1	48	41	21	60	43	14	0

QC Limits

S1 = 2,4,6-Tribromophenol (10-109)
S2 = 2-Fluorobiphenyl (10-86)
S3 = 2-Fluorophenol (10-58)
S4 = 4-Terphenyl-d14 (12-107)
S5 = Nitrobenzene-d5 (10-88)
S6 = Phenol-d6 (10-46)

FORM 2
Soil 8270C Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96033 Location: Waterbury, CT

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	E206479-10A	56	35	28	69	31	31	0
2	E206479-11A	59	62	42	80	54	59	0
3	E206479-12A	64	58	43	82	42	46	0
4	E206479-13A	65	55	31	89	37	44	0
5	E206479-14A	63	73	52	86	64	63	0
6	E206479-15A	56	26	16	73	18	23	0
7	E206479-1A	62	51	39	71	48	43	0
8	E206479-2A	56	48	31	64	42	41	0
9	E206479-3A	58	63	36	65	48	47	0
10	E206479-4A	47	50	36	57	43	37	0
11	E206479-5A	84	69	52	94	57	59	0
12	E206479-6A	38	29	25	44	27	26	0
13	E206479-7A	79	61	38	99	49	51	0
14	E206479-8A	66	69	48	80	55	56	0
15	E206479-9A	74	60	42	89	46	48	0
16	LCS0611S-1	29	30	29	54	31	31	0
17	S0611BS-1	24	33	32	54	34	33	0

QC Limits

S1 = 2,4,6-Tribromophenol (10-122)
S2 = 2-Fluorobiphenyl (10-96)
S3 = 2-Fluorophenol (10-95)
S4 = 4-Terphenyl-d14 (20-149)
S5 = Nitrobenzene-d5 (10-98)
S6 = Phenol-d6 (10-97)

FORM 3
Soil 8270C Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/12/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: LCS0611S-1 Location: Waterbury, CT

Lab File ID: L34794.D Batch No.: 96033

Compound	Spike Added (ug/kg)	Sample Concentration (ug/kg)	% Rec #	QC Limits Rec
1,2,4-Trichlorobenzene	1667	513.6	31	14-91
1,4-Dichlorobenzene	1667	475.9	28	20-88
2,4-Dinitrotoluene	1667	581.5	35	20-109
2,6-Dinitrotoluene	1667	453.7	27	13-105
2-Chlorophenol	1667	440.1	26	13-93
4-Chloro-3-methylphenol	1667	463.5	28	16-97
4-Nitrophenol	1667	630.0	38	13-97
Acenaphthene	1667	488.2	29	19-93
Bis(2-chloroethoxy)methane	1667	469.0	28	15-90
Fluoranthene	1667	783.6	47	39-99
Fluorene	1667	483.2	29	19-96
Hexachlorobutadiene	1667	498.3	30	11-92
N-Nitrosodi-n-propylamine	1667	506.5	30	15-101
Naphthalene	1667	533.5	32	19-89
Pentachlorophenol	1667	356.2	21	10-115
Phenol	1667	450.0	27	15-93
Pyrene	1667	709.8	42	25-106

FORM 3
Water 8270C Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/13/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: LCS0612A-1 Location: Waterbury, CT

Lab File ID: L34817.D Batch No.: 96065

Compound	Spike Added (ug/L)	Sample Concentration (ug/L)	% Rec #	QC Limits Rec
1,2,4-Trichlorobenzene	50.00	21.72	43	25-89
1,4-Dichlorobenzene	50.00	19.86	40	24-84
2,4-Dinitrotoluene	50.00	27.52	55	32-101
2,6-Dinitrotoluene	50.00	24.72	49	28-96
2-Chlorophenol	50.00	19.14	38	24-79
4-Chloro-3-methylphenol	50.00	22.70	45	27-90
4-Nitrophenol	50.00	12.29	24	10-43
Acenaphthene	50.00	22.31	45	26-91
Bis(2-chloroethoxy)methane	50.00	22.73	45	23-93
Fluoranthene	50.00	27.52	55	39-96
Fluorene	50.00	23.07	46	30-91
Hexachlorobutadiene	50.00	21.96	44	24-88
N-Nitrosodi-n-propylamine	50.00	23.78	48	24-99
Naphthalene	50.00	21.93	44	25-87
Pentachlorophenol	50.00	26.51	53	10-113
Phenol	50.00	7.816	16	10-32
Pyrene	50.00	30.32	61	31-90

FORM 4
8270C Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: L34793.D Lab Sample ID: S0611BS-1

Matrix: Soil Date Analyzed: 6/12/2012

Instrument ID: MS10

Batch No.: 96033 Time Analyzed: 1411

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-1A	SED-1	L34797.D	6/12/2012
2	E206479-2A	SED-2	L34798.D	6/12/2012
3	E206479-3A	SED-3	L34799.D	6/12/2012
4	E206479-4A	GP-1 0'-2'	L34800.D	6/12/2012
5	E206479-5A	GP-2 0'-2'	L34801.D	6/12/2012
6	E206479-6A	GP-3 4'-8'	L34795.D	6/12/2012
7	E206479-7A	GP-4 2'-4'	L34802.D	6/12/2012
8	E206479-8A	GP-5 2'-4'	L34821.D	6/13/2012
9	E206479-9A	GP-6 0'-2'	L34804.D	6/12/2012
10	E206479-10A	GP-7 4'-8'	L34796.D	6/12/2012
11	E206479-11A	GP-8 2'-4'	L34822.D	6/13/2012
12	E206479-12A	GP-9 2'-4'	L34806.D	6/12/2012
13	E206479-13A	GP-10 0'-2'	L34807.D	6/12/2012
14	E206479-14A	GP-11 0'-2'	L34820.D	6/13/2012
15	E206479-15A	GP-12 0'-2'	L34819.D	6/13/2012
16	LCS0611S-1	LCS0611S-1	L34794.D	6/12/2012

FORM 4
8270C Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: L34816.D Lab Sample ID: S0612BA-1

Matrix: Water Date Analyzed: 6/13/2012

Instrument ID: MS10

Batch No.: 96065 Time Analyzed: 0915

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-16A	GP-8 GW	L34827.D	6/13/2012
2	E206479-17A	FB-1	L34826.D	6/13/2012
3	LCS0612A-1	LCS0612A-1	L34817.D	6/13/2012

FORM 2
Water ETPH Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96265 Location: Waterbury, CT

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	E206479-17A	83						0
2	LCS0613A-1	82						0
3	T0613BA-1	84						0

QC Limits

S1 = 1-Chlorooctadecane (50-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Water ETPH Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96272 Location: Waterbury, CT

	Lab Sample No.	S7 %Rec #	S8 %Rec #	S9 %Rec #	S10 %Rec #	S11 %Rec #	S12 %Rec #	Tot Out
1	E206479-16A	59						0
2	LCS0614A-1	89						0
3	T0614BA-1	95						0

QC Limits

S7 = 1-Chlorooctadecane (50-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Soil ETPH Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96264 Location: Waterbury, CT

	Lab Sample No.	S1 %Rec #	S2 %Rec #	S3 %Rec #	S4 %Rec #	S5 %Rec #	S6 %Rec #	Tot Out
1	E206479-10A	71						0
2	E206479-1A	63						0
3	E206479-2A	81						0
4	E206479-3A	73						0
5	E206479-4A	94						0
6	E206479-5A	61						0
7	E206479-6A	56						0
8	E206479-7A	35 *						1
9	E206479-8A	62						0
10	E206479-9A	58						0
11	LCS0612S-1	76						0
12	T0612BS-1	67						0

QC Limits

S1 = 1-Chlorooctadecane (50-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 2
Soil ETPH Surrogate Recovery

Lab Name: Premier Laboratory, Inc

Project No.: E206479 Project: E. Main St. over Beaver Br

Batch No.: 96290 Location: Waterbury, CT

	Lab Sample No.	S7 %Rec #	S8 %Rec #	S9 %Rec #	S10 %Rec #	S11 %Rec #	S12 %Rec #	Tot Out
1	E206479-11A	114						0
2	E206479-12A	63						0
3	E206479-13A							0
4	E206479-14A							0
5	E206479-15A	56						0
6	LCS0614S-1	70						0
7	T0614BS-1	61						0

QC Limits

S7 = 1-Chlorooctadecane (50-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM 3
Soil ETPH Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/14/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: LCS0612S-1 Location: Waterbury, CT

Lab File ID: 6061404.D Batch No.: 96264

Compound	Spike Added ()	Sample Concentration ()	% Rec #	QC Limits Rec
Connecticut ETPH	46.67	30.85	66	60-120

FORM 3
Water ETPH Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/14/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: LCS0613A-1 Location: Waterbury, CT

Lab File ID: 6061406.D Batch No.: 96265

Compound	Spike Added ()	Sample Concentration ()	% Rec #	QC Limits Rec
Connecticut ETPH	1.400	1.185	85	60-120

FORM 3
Water ETPH Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/15/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: LCS0614A-1 Location: Waterbury, CT

Lab File ID: 6061508.D Batch No.: 96272

Compound	Spike Added ()	Sample Concentration ()	% Rec #	QC Limits Rec
Connecticut ETPH	1.400	1.155	82	60-120

FORM 3
Soil ETPH Lab Control Sample

Lab Name: Premier Laboratory, Inc Date Analyzed 6/19/2012

Project No.: E206479 Project: E. Main St. over Beaver Br

Sample No.: LCS0614S-1 Location: Waterbury, CT

Lab File ID: 6061914.D Batch No.: 96290

Compound	Spike Added ()	Sample Concentration ()	% Rec #	QC Limits Rec
Connecticut ETPH	46.67	29.33	63	60-120

FORM 4
ETPH Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: 6061403.D Lab Sample ID: T0612BS-1

Matrix: Soil Date Analyzed: 6/14/2012

Instrument ID: GC6 Date Extracted: 6/12/2012

Batch No.: 96264 Time Analyzed: 1002

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-1A	SED-1	6061503.D	6/15/2012
2	E206479-2A	SED-2	6061918.D	6/19/2012
3	E206479-3A	SED-3	6061919.D	6/19/2012
4	E206479-4A	GP-1 0'-2'	6061903.D	6/19/2012
5	E206479-5A	GP-2 0'-2'	6061904.D	6/19/2012
6	E206479-6A	GP-3 4'-8'	6061409.D	6/14/2012
7	E206479-7A	GP-4 2'-4'	6061906.D	6/19/2012
8	E206479-8A	GP-5 2'-4'	6061907.D	6/19/2012
9	E206479-9A	GP-6 0'-2'	6061908.D	6/19/2012
10	E206479-10A	GP-7 4'-8'	6061410.D	6/14/2012
11	LCS0612S-1	LCS0612S-1	6061404.D	6/14/2012

FORM 4
ETPH Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: 6061405.D Lab Sample ID: T0613BA-1

Matrix: Water Date Analyzed: 6/14/2012

Instrument ID: GC6 Date Extracted: 6/13/2012

Batch No.: 96265 Time Analyzed: 1048

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-17A	FB-1	6061408.D	6/14/2012
2	LCS0613A-1	LCS0613A-1	6061406.D	6/14/2012

FORM 4
ETPH Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: 6061911.D Lab Sample ID: T0614BA-1

Matrix: Water Date Analyzed: 6/19/2012

Instrument ID: GC6 Date Extracted: 6/14/2012

Batch No.: 96272 Time Analyzed: 1618

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-16A	GP-8 GW	6062003.D	6/20/2012
2	LCS0614A-1	LCS0614A-1	6061508.D	6/15/2012

FORM 4
ETPH Method Blank Summary

Project No.: E206479 Project: E. Main St. over Beaver Br

Lab File ID: 6061913.D Lab Sample ID: T0614BS-1

Matrix: Soil Date Analyzed: 6/19/2012

Instrument ID: GC6 Date Extracted: 6/14/2012

Batch No.: 96290 Time Analyzed: 1749

This Method Blank Applies To The Following Samples, MS and MSD:

	Lab Sample No.	Client Sample ID	Lab File ID	Date Analyzed
1	E206479-11A	GP-8 2'-4'	6062005.D, 60	6/20/2012
2	E206479-12A	GP-9 2'-4'	6062004.D	6/20/2012
3	E206479-13A	GP-10 0'-2'	6062008.D	6/20/2012
4	E206479-14A	GP-11 0'-2'	6062009.D	6/20/2012
5	E206479-15A	GP-12 0'-2'	6061917.D	6/19/2012
6	LCS0614S-1	LCS0614S-1	6061914.D	6/19/2012

ICP Method Blank Summary

Workorder # :	E206479	Matrix: Solids	
Element	Result	PQL	Run Date
	mg/Kg	mg/Kg	
Antimony		2.35	
Aluminum		4.84	
Arsenic	ND	2.99	6/11/2012
Barium	ND	0.52	6/11/2012
Beryllium		0.05	
Boron		2.31	
Calcium		23.66	
Cadmium	ND	0.37	6/11/2012
Cobalt		1.88	
Chromium	ND	1.95	6/11/2012
Copper		1.66	
Iron		1.74	
Lead	ND	1.97	6/11/2012
Magnesium		0.52	
Manganese		0.14	
Mercury CV	ND	0.023	6/13/2012
Molybdenum		0.54	
Nickel		1.96	
Potassium		31.4	
Selenium	ND	4.47	6/11/2012
Silver	ND	1.86	6/11/2012
Sodium		30.81	
Thallium		3.69	
Titanium		0.54	
Tin		1.78	
Vanadium		0.98	
Zinc		1.74	

ND = NONE DETECTABLE
(*) Elevated MDLs due to dilution for range
(**) Elevated MDLs due to dilution for interferences

Fortified Sample/Blank Recovery Report

Date:	June 11, 2012
Time:	13:00
Method:	200.7/6010B
Analyst:	NJB

Matrix	
Solid	x

Run Log Reference Number
V-120611-3

Workorder #: E206479

Fortified Sample ID #: **E206479-14A**

Units:mg/kg

Laboratory Fortified Matrix(LFM)/LFM Duplicate											LFB			
Element	Sample	Sample Duplicate	RPD	Spike Amount	LFM Result	% recovery	LFMD Result	% recovery	Recovery Limits	RPD	Spike Amount	Result	% recovery	Recovery Limits
Ag	0.00	0.00	0.0	25	22.60	90.4	22.30	89.2	75-125	0.7	500	502.83	100.6	80-120
Al				525					75-125		10500			80-120
As	1.47	1.32	10.5	25	23.11	86.6	23.01	86.2	75-125	0.2	500	492.67	98.5	80-120
B				25					75-125		500			80-120
Ba	43.79	37.54	15.4	25	60.89	NE	62.74	75.8	75-125	3.0	500	518.69	103.7	80-120
Be				25					75-125		500			80-120
Ca				525					75-125		10500			80-120
Cd	0.68	0.62	8.7	25	23.96	93.1	23.50	91.3	75-125	1.0	500	513.58	102.7	80-120
Co				25					75-125		500			80-120
Cr	8.50	7.62	10.9	25	30.60	88.4	29.84	85.4	75-125	1.5	500	499.40	99.9	80-120
Cu				25					75-125		500			80-120
Fe				125					75-125		2500			80-120
K				350					75-125		7000			80-120
Mg				525					75-125		10500			80-120
Mn				25					75-125		500			80-120
Mo				25					75-125		500			80-120
Na				525					75-125		10500			80-120
Ni				25					75-125		500			80-120
Pb	20.69	17.27	18.0	25	41.40	82.8	41.29	82.4	75-125	0.2	500	514.78	103.0	80-120
Sb				25					75-125		500			80-120
Se	0.00	0.00	0.0	25	20.27	81.1	19.84	79.4	75-125	1.1	500	501.22	100.2	80-120
Sn				125					75-125		2500			80-120
Tl				25					75-125		500			80-120
Ti				25					75-125		500			80-120
V				25					75-125		500			80-120
Zn				25					75-125		500			80-120
Hg	0.00	0.00	0.0	0.125	0.12	93.2	0.11	89.1	75-125	0.0	5	5.32	106.4	80-120
CN				5					75-125					80-120

Comments: NE: NOT EVALUATED

HG RUN ON 6/13/12; SAMPLE SPIKED FOR HG: E206479-1A

ICP Method Blank Summary

Workorder # :	E206479	Matrix: Solids	
Element	Result	PQL	Run Date
	mg/Kg	mg/Kg	
Antimony		2.35	
Aluminum		4.84	
Arsenic		2.99	
Barium		0.52	
Beryllium		0.05	
Boron		2.31	
Calcium		23.66	
Cadmium		0.37	
Cobalt		1.88	
Chromium		1.95	
Copper		1.66	
Iron		1.74	
Lead		1.97	
Magnesium		0.52	
Manganese		0.14	
Mercury CV		0.023	
Molybdenum		0.54	
Nickel		1.96	
Potassium		31.4	
Selenium	ND	4.47	6/15/2012
Silver		1.86	
Sodium		30.81	
Thallium		3.69	
Titanium		0.54	
Tin		1.78	
Vanadium		0.98	
Zinc		1.74	

ND = NONE DETECTABLE
(*) Elevated MDLs due to dilution for range
(**) Elevated MDLs due to dilution for interferences

Fortified Sample/Blank Recovery Report

Date:	June 15, 2012
Time:	12:55
Method:	200.7/6010B
Analyst:	NJB

Matrix	
Solid	x

Run Log Reference Number
V-120615-2

Workorder #: E206479

Fortified Sample ID #: **E206760-1**

Units:mg/kg

Laboratory Fortified Matrix(LFM)/LFM Duplicate											LFB			
Element	Sample	Sample Duplicate	RPD	Spike Amount	LFM Result	% recovery	LFMD Result	% recovery	Recovery Limits	RPD	Spike Amount	Result	% recovery	Recovery Limits
Ag				25					75-125		500			80-120
Al				525					75-125		10500			80-120
As				25					75-125		500			80-120
B				25					75-125		500			80-120
Ba				25					75-125		500			80-120
Be				25					75-125		500			80-120
Ca				525					75-125		10500			80-120
Cd				25					75-125		500			80-120
Co				25					75-125		500			80-120
Cr				25					75-125		500			80-120
Cu				25					75-125		500			80-120
Fe				125					75-125		2500			80-120
K				350					75-125		7000			80-120
Mg				525					75-125		10500			80-120
Mn				25					75-125		500			80-120
Mo				25					75-125		500			80-120
Na				525					75-125		10500			80-120
Ni				25					75-125		500			80-120
Pb				25					75-125		500			80-120
Sb				25					75-125		500			80-120
Se	1.04	1.26	19.0	25	27.06	104.1	26.46	101.7	75-125	1.1	500	517.99	103.6	80-120
Sn				125					75-125		2500			80-120
Tl				25					75-125		500			80-120
Ti				25					75-125		500			80-120
V				25					75-125		500			80-120
Zn				25					75-125		500			80-120
Hg				0.125					75-125		5			80-120
CN				5					75-125					80-120

Comments:

ICP Method Blank Summary

Workorder # :	E206479	Matrix: SPLP	
Element	Result	MDL	Run Date
	ug/L	ug/L	
Antimony		2.05	
Aluminum		xxx	
Arsenic	ND	4.3	6/18/2012
Barium	ND	0.65	6/18/2012
Beryllium		0.04	
Boron		xxx	
Calcium		xxx	
Cadmium	ND	0.23	6/18/2012
Cobalt		1.22	
Chromium	ND	0.6	6/18/2012
Copper		1.51	
Iron		xxx	
Lead	ND	1.85	6/18/2012
Magnesium		xxx	
Manganese		xxx	
Mercury CV	ND	0.2	6/15/2012
Molybdenum		0.7	
Nickel		1.79	
Potassium		xxx	
Selenium	ND	3.63	6/18/2012
Silver	ND	1.97	6/18/2012
Sodium		xxx	
Thallium		4.99	
Titanium		xxx	
Vanadium		1.3	
Zinc		0.93	

ND = NONE DETECTABLE
(*) Elevated MDLs due to dilution for range
(**) Elevated MDLs due to dilution for interferences

Fortified Sample/Blank Recovery Report

Date:	June 18, 2012
Time:	14:10
Method:	200.7/6010B
Analyst:	NJB

Matrix	
Aqueous	
TCLP	
SPLP	X

Run Log Reference Number
V-120618-3

Workorder #: E206479

Fortified Sample ID #: **E206479-14A**

Units: ug/L

Laboratory Fortified Matrix(LFM)/LFM Duplicate											LFB		
Element	Sample	Sample Duplicate	RPD	Spike Amount	LFM Result	% recovery	LFMD Result	% recovery	Recovery Limits	RPD	Result	% recovery	Recovery Limits
Ag	0	0	0.0	5000	867.217	NE	916.521	NE	75-125	5.5	911.761	18.2	80-120
Al				5000					75-125				80-120
As	0	0	0.0	5000	5167.23	103.3	5245.03	104.9	75-125	1.5	5248.5	105.0	80-120
B				5000					75-125				80-120
Ba	0	0	0.0	5000	5327.19	106.5	5386.44	107.7	75-125	1.1	5395.48	107.9	80-120
Be				5000					75-125				80-120
Ca				5000					75-125				80-120
Cd	0	0	0.0	5000	5165.56	103.3	5231.72	104.6	75-125	1.3	5259.19	105.2	80-120
Co				5000					75-125				80-120
Cr	0	0	0.0	5000	5126.4	102.5	5187.77	103.8	75-125	1.2	5205.4	104.1	80-120
Cu				5000					75-125				80-120
Fe				5000					75-125				80-120
K				5000					75-125				80-120
Mg				5000					75-125				80-120
Mn				5000					75-125				80-120
Mo				5000					75-125				80-120
Na				5000					75-125				80-120
Ni				5000					75-125				80-120
Pb	0	0	0.0	5000	5220	104.4	5298.38	106.0	75-125	1.5	5280.86	105.6	80-120
Sb				5000					75-125				80-120
Se	0	0	0.0	5000	5135.72	102.7	5234.12	104.7	75-125	1.9	5243.23	104.9	80-120
Sn				5000					75-125				80-120
Tl				5000					75-125				80-120
Ti				5000					75-125				80-120
V				5000					75-125				80-120
Zn				5000					75-125				80-120
Hg	0	0	0.0	5	5.105	102.1	5.319	106.4	75-125	4.1	4.989	99.8	80-120

HG RUN ON 6/15/12; NE: NOT EVALUATED

QCS AG PASSED

Premier Laboratory, Inc.
61 Louisa Viens Drive
Dayville, CT 06241
(800) 334-0103

Chain of Custody:

WWW.PREMIERLABORATORY.COM

Lab WO #: E206479
Project Manager:

Copy of Report To

CUSTOMER: Maguire Group, Inc.
ADDRESS: 2080 Silas Deane Highway
Rocky Hill, CT
ATTENTION: Jane Witherell
E-MAIL: jwitherell@maguiregroup.com
PHONE: 860 2249141 Fax: 860 2249147

Billing Information

BILL TO: Maguire Group, Inc.
ADDRESS: 2080 Silas Deane Highway
Rocky Hill CT 06067
ATTENTION: Jane Witherell
PHONE: 860 2249141
PURCHASE ORDER # :

Project Information

Project: E. Main St. over Beaver Brook
Location: Waterbury, CT
Project Mgr: Cindy Knight
IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:
E-MAIL: ck@logicalenvironmental.com
PHONE: 860 8701780
FAX: 860 8701778

Sample Identification	Date Collected	Time Collected	Sample Type: COMPOSITE	Sample Type: GRAB	Sample Matrix	Number of Bottles	Analysis: VOCs 8260	Analysis: SVOCs 8270	Analysis: CTETPH	Analysis: Total Reg 8 metals	Analysis: SPLP Reg 8 metals	Analysis: PCBs 8082	Preservatives: H_2SO_4	Preservatives: HCL	Preservatives: MeOH	Preservatives: NON-PRES	Preservatives: Stirboar
SED-1	6-7-12	6:43am		X	sediment	8	X	X	X	X	X	X			X2	X5	X1
SED-2	↓	6:58am		X	↓	8	X	X	X	X	X	X			X2	X5	X1
SED-3	↓	3:00pm		X	↓	8	X	X	X	X	X	X			X2	X5	X1
GP-1 0'-2'	↓	8:15am	X		soil	7	X	X	X	X	X				X2	X5	X1
GP-2 0'-2'	↓	7:40am	↓		↓	7	X	X	X	X	X				X2	X5	X1
GP-3 4'-8'	↓	9:05am	↓		↓	7	X	X	X	X	X				X2	X5	X1
GP-4 2'-4'	↓	9:45am	↓		↓	7	X	X	X	X	X				X2	X5	X1
GP-5 2'-4'	↓	10:20am	↓		↓	7	X	X	X	X	X				X2	X5	X1
GP-6 0'-2'	↓	1:05pm	↓		↓	7	X	X	X	X	X				X2	X5	X1

CUSTODY TRANSFER	DATE	Time
SAMPLER: [signature]	6-8-12	6:45am
RECEIVED:		
RELINQUISHED: ~~Joshua J McCall~~ JM 6-8-12		
RECEIVED: Joshua J McCall	6-8-12	10:17
RELINQUISHED: Joshua J McCall	6-8-12	12:35
RECEIVED: Michael Noble	6/8/12	12:35

TURNAROUND (INDICATE IN CALENDAR DAYS): 10
FAX | HARD COPY | E-MAIL
EXPEDITED SERVICE MAY BE SUBJECT TO SURCHARGE

COMMENTS:

PRESERVATIVE VERIFIED initials MN

CONDITIONS UPON RECEIPT: (CHECK ONE)
COOLED ☒ AMBIENT ☐ °C Upon receipt at lab

Premier Laboratory, Inc.
61 Louisa Viens Drive
Dayville, CT 06241
(800) 334-0103

Chain of Custody:

WWW.PREMIERLABORATORY.COM

Lab WO #: E206479
Project Manager:

Copy of Report To

CUSTOMER: Maguire Group, Inc.
ADDRESS: 2080 Silas Deane Highway
Rocky Hill, CT
ATTENTION: Jane Witherell
E-MAIL: jwitherell@maguiregroup.com
PHONE: 860 2249141 Fax: 860 2249147

Billing Information

BILL TO: Maguire Group, Inc.
ADDRESS: 2080 Silas Deane Highway
Rocky Hill CT 06067
ATTENTION: Jane Witherell
PHONE: 860 2249141
PURCHASE ORDER #:

Project Information

Project: E. Main St. over Beaver Brook
Location: Waterbury, CT
Project Mgr: Cindy Knight
IN CASE WE HAVE ANY QUESTIONS WHEN SAMPLES ARRIVE WE SHOULD CALL:
E-MAIL: ck@logicalenvironmental.com
PHONE: 860 8701780
FAX: 860 8701778

Sample Identification	Date Collected	Time Collected	Sample Type: COMPOSITE	Sample Type: GRAB	Sample Matrix	Number of Bottles	Analysis: VOCs 8260	SVOCs 8270	CT ETPH	Total Reg 8 metals	SPLP Reg 8 Metals	PCBs 8082	Dissolved Reg 8 metals					Preservatives: H_2SO_4	HCL	MeOH	NON-PRES	Stirboar $4NO_3$
GP-7 4'-8'	6-7-12	10:50am	X		SOIL	8	X	X	X	X	X	X								1	5	2
GP-8 2'-4'		11:09am				8	X	X	X	X	X	X								1	5	2
GP-9 2'-4'		12:35pm				8	X	X	X	X	X	X								1	5	2
GP-10 0'-2'		1:40pm				8	X	X	X	X	X	X								1	5	2
GP-11 0'-2'		2:05pm				8	X	X	X	X	X	X								1	5	2
GP-12 0'-2'		2:40pm				8	X	X	X	X	X	X								1	5	2
GP-8 GW		12:00pm		X	GW	10	X	X	X	X		X	X						2		7	1
FB-1		3:41pm		X	Field Blank	10	X	X	X	X		X	X						2		7	1
TB-1		–			Trip Blank	1	X												1			

CUSTODY TRANSFER	DATE	Time
SAMPLER:	6-8-12	6:45am
RECEIVED:		
RELINQUISHED:		
RECEIVED: Joshua J McCallum	6-8-12	10:17
RELINQUISHED: Joshua J McCallum	6-8-12	12:35
RECEIVED: Michael Noble	6/8/12	12:35

TURNAROUND (INDICATE IN CALENDAR DAYS): 10
FAX | HARD COPY | E-MAIL
EXPEDITED SERVICE MAY BE SUBJECT TO SURCHARGE
COMMENTS:
PRESERVATIVE VERIFIED Initials MN
CONDITIONS UPON RECEIPT: (CHECK ONE)
COOLED [X] AMBIENT [ ] °C Upon receipt at lab

7 ic

APPENDIX C
DQA & DUE Worksheets

DATA USABILITY EVALUATION WORKSHEET

Project Name: Task 210 - Replacement of Bridge No. 2448, East Main Street Over Beaver Brook - Waterbury, CT

Laboratory: Premier Laboratory, Inc.

Laboratory Report: E206479

Date Samples Collected: June 7, 2012

Describe the intended use of the data: To verify the absence or presence and location of subsurface contamination, and to assess the potential pollutant impacts that may be encountered during construction

Nonconformance DQA Review Elements	Briefly Summarize DQA Nonconformance
Standard RCP Deliverables	
Data Package Inspection	
Reasonable Confidence Evaluation	Case narrative did not list PCB non-conformances for surrogtae spike recoveries in soil samples GP-8, GP-10 & GP-11
Chain of Custody Evaluation	
Sample Result Evaluation	
Sample Preservation & Holding Time Evaluation	
Blank Evaluation	
Laboratory Control Samples	LCS/LCSD RPD for lead in GP-8 GW sample outside of acceptable range. LCS/LCSD recoveries were acceptable
Surrogates	ETPH surrogates in samples GP-10 and GP-11 were diluted out. Both samples contained elevated petroleum hydrocarbon concentrations exceeding RSR criteria. VOC, PCB and ETPH surrogates spike recoveries were outside acceptable ranges in samples GP-1 to GP-4, GP-6, and GP-8 ato GP-11. Samples contained elevated cocnetrations of contaminants exceeding RSR criteria.
Site-Specific Matrix Spikes and Matrix Spike Duplicates	
Tentatively Identified Compounds	
Other QC Data	Internal standards for VOCs (SED-1, GP-3, GP-5, & GP-7) and SVOCs (GP-4, GP-6, GP-9, & GP-10) analyses were low. Compounds were detected at elevated concentrations exceeding RSR criteria.

DATA USABILITY EVALUATION WORKSHEET

Provide a summary statement describing how the analytical data set relied upon is of adequate quality and of sufficient accuracy, precision, and sensitivity for the intended purpose.

The results will be used to verify the absence or presence and location of subsurface contamination, and to assess the potential pollutant impacts that may be encountered during construction

A data quality assessment and data usability evaluation was performed for the data generated in accordance with the CTDEEP's "Laboratory Quality Assurance and Quality Control, Data Quality Assessment and Data Usability Evaluation Guidance Document".

Non-conformances related to Surrogate spike recoveries, LCS/LCSD RPDs, and Internal Standard responses do not have significant bearings on the accuracy and usability of the data for its intended purposes. In all cases the non-conformances have no impact to the data usability and is considered of sufficient quality and precision using multiple lines of evidence.

The data indicates that contaminants are present in the soil, sediment, and groundwater at low to moderate concentrations that exceed applicable RSR criteria. Task 310 Plans and Specifications will be prepared to address the soil contamination during the construction phase.

Based on the above findings from the DQA and DUE, the analytical data is of adequate and of sufficient accuracy, precision and sensitivity to identify areas requiring special treatment and/or handling during the construction phase of the project.

RCP DATA QUALITY ASSESSMENT & DATA USABILITY EVALUATION WORKSHEET - SOIL SAMPLES

Reconstruction of Bridge 2448 - East Main Street Over Beaver Brook - Waterbury, CT

Laboratory:	Premier Laboratory Inc.
SDG:	E206479
Date Samples Collected:	June 7, 2012
RCP Certification Form Included:	Yes
Lab Case Narrative Included:	Yes
Project Purpose:	Data will be used to verify the absence or presence and location of subsurface contamination, and to assess the potential pollutant impacts that may be encountered during construction
Notes:	None

Sample ID	Sample Date	Compound(s)	QC OUTLIER	POTENTIAL BIAS	COMMENTS	PRELIMINARY DUE CONSIDERATIONS/NOTES
VOC Analysis - 8260						
GP-1 0'-2'	6/7/2012	VOCs (Toluene, 1,2-Dichloroethane-d4)	Surrogate Spike	high	Not detected in samples	No impact to data usability
GP-2 0'-2'						
GP-3 4'-8'						
GP-4 2'-4'						
GP-6 0'-2'						
GP-8 2'-4'						
GP-9 2'-4'						
GP-9 2'-4'	6/7/2012	VOC (Bromofluorobenzene)	Surrogate Spike	low	Not contaminant of concern, and other compounds present at concentrations exceeding RSR criteria.	Multiple lines of evidence support data usability
SED-1	6/7/2012	VOCs	Internal Standard	low	Matrix interference caused IS of several compounds recovery to be low. Field screening did not detect presence of elevated VOCs.	Multiple lines of evidence support data usability
GP-3 4'-8'						
GP-5 2'-4'						
GP-7 4'-8'						
SVOC Analysis - 8270						
GP-4 2'-4'	6/7/2012	SVOCs	Internal Standard	low	Matrix interference caused IS recovery to be low. SVOCs present in all samples at concentratoins exceeding RSR criteria	No impact to data usability
GP-6 0'-2'						
GP-9 2'-4'						
GP-10 0'-2'						
PCB Analysis - 8082						
GP-8 2'-4'	6/7/2012	PCBs (Decachlorobiphenyl #2)	Surrogate Spike	high	PCBs not detected in samples	No impact to data usability
GP-10 0'-2'						
GP-11 0'-2'						
CT ETPH Analysis						
GP-4 2'-4'	6/7/2012	CT ETPH (1-Chloro-octadecane)	Surrogate Spike	low	Other compounds (SVOCs) detected at elevated concentrations exceeding RSR criteria	No impact to data usability
GP-10 0'-2'	6/7/2012	CT ETPH	Surrogate	low	Sample required dilution that diluted surrogate. Petroleum hydrocarbons detected at concentrations exceeding RSR criteria	No impact to data usability
GP-11 0'-2'						

RCP DATA QUALITY ASSESSMENT & DATA USABILITY EVALUATION WORKSHEET - AQUEOUS SAMPLES

Reconstruction of Bridge 2448 - East Main Street Over Beaver Brook - Waterbury, CT

Laboratory:	Premier Laboratory Inc.
SDG:	E206479
Date Samples Collected:	June 7, 2012
RCP Certification Form Included:	Yes
Lab Case Narrative Included:	Yes
Project Purpose:	Data will be used to verify the absence or presence and location of subsurface contamination, and to assess the potential pollutant impacts that may be encountered during construction
Notes:	None

Sample ID	Sample Date	Compound(s)	QC OUTLIER	POTENTIAL BIAS	COMMENTS	PRELIMINARY DUE CONSIDERATIONS/NOTES
VOC Analysis - 8260						
GP-8 GW	6/7/2012	VOCs (1,1,1-Trichloroethane, 1,1-Dichloroethene, Ethylbenzene, Hexachlorobutadiene, Tetrachloroethene, Toluene, Trichloroethene, Vinyl Chloride)	MS/MSD	high	Matrix interference acused recoveries outside of control limits/ LCS/LCSD recoveries within acceptable ranges	No impact to data usability
Total RCRA 8 Metals						
GP-8 GW	6/7/2012	Total Lead	LCS/LCSD RPD	non-directional	LCS/LCSD recoveries within acceptable ranges	Multiple lines of evidence support datat usability