

**FINAL**

**FIBERGLASS DEBRIS LANDFILL  
REMEDIAL ACTION REPORT  
HYTEC- LITTLE ROCK SITE  
HALO-KUNTUX LANE  
LITTLE ROCK, WASHINGTON**

**December 2012**

**PREPARED FOR:**

Owens Davies, P.S. Attorneys at Law  
1115 West Bay Drive, Suite 302  
Olympia WA 98502

Houlihan Law  
3401 Evanston Avenue, N. Suite C  
Seattle, WA 98103

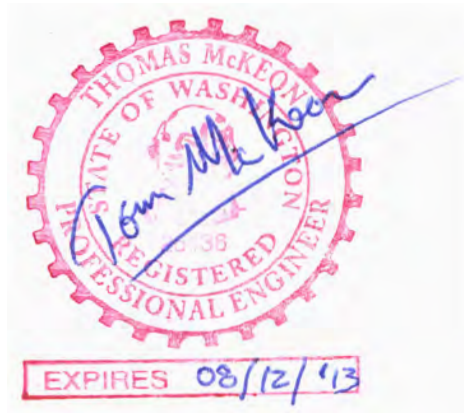
**PREPARED BY:**

CALIBRE Systems Inc.  
16935 SE 39<sup>th</sup> St  
Bellevue, WA 98008

## Professional Engineer Certification

This report describes the remedial action conducted at the Fiberglass Debris Landfill area of the Hytec-Littlerock site. The remedial action has been conducted in substantial compliance with the Remedial Action Plan (CALIBRE 2011a) and the Cleanup Action Plan for the Fiberglass Debris Landfill (Ecology 2010).

Tom McKeon, Professional Engineer



## TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
1.1	Site History .....	1
1.2	Organization of Report .....	2
1.3	Selected Remedial Action Alternative .....	3
2.0	CONSTRUCTION .....	3
2.1	Remedial Action Goals.....	3
2.2	Site Characteristics .....	3
2.3	Excavation.....	4
2.4	Restoration .....	5
2.5	Monitoring Wells.....	6
3.0	MONITORING.....	7
3.1	Protection Monitoring .....	7
3.2	Performance Monitoring .....	8
3.2.1	Cleanup Levels and Points of Compliance for Soil and Groundwater .....	8
3.2.2	Sampling from Excavations .....	8
3.2.3	Sampling from Backfill Borrow Source .....	9
3.2.4	Waste Characterization Sampling .....	10
3.3	Confirmational Groundwater Monitoring.....	10
3.3.1	March 2012 Groundwater Sampling Event.....	10
3.3.2	July 2012 Groundwater Sampling Event .....	12
4.0	RECOMMENDATIONS.....	14
5.0	REFERENCES.....	14

## List of Appendices

Appendix A	Load Sheets and Manifests
Appendix B	Sample Laboratory Reports
Appendix C	Burn Permit
Appendix D	Well Construction Logs
Appendix E	Well Sample Data Sheets
Appendix F	Photographs
Appendix G	Quarterly Monitoring Addendum - September 2012
Appendix H	Quarterly Monitoring Addendum – January 2013

### **List of Tables**

Table 2-1	Site Well Construction Summary
Table 3-1	Soil Cleanup Levels and Chemicals of Concern, Fiberglass Debris Landfill Site
Table 3-2	Analytical Data for Excavation Confirmation Samples - Fiberglass Debris Landfill Site
Table 3-3	Depth to Water and Field Water Quality Parameters, Fiberglass Debris Landfill Site, March 2012 Sampling Event
Table 3-4	VOCs Detected in Groundwater, Fiberglass Debris Landfill Site, March 2012 Sampling Event
Table 3-5	SVOCs Detected in Groundwater, Fiberglass Debris Landfill Site, March 2012 Sampling Event
Table 3-6	Metals Detected in Groundwater, Fiberglass Debris Landfill Site, March 2012 Sampling Event
Table 3-7	Depth to Water and Field Water Quality Parameters, Fiberglass Debris Landfill Site, July 2012 Sampling Event
Table 3-8	VOCs Detected in Groundwater, Fiberglass Debris Landfill Site, July 2012 Sampling Event
Table 3-9	SVOCs Detected in Groundwater, Fiberglass Debris Landfill Site, July 2012 Sampling Event
Table 3-10	Metals Detected in Groundwater, Fiberglass Debris Landfill Site, July 2012 Sampling Event

### **List of Figures**

Figure 1	Fiberglass Debris Landfill Site Location and Vicinity
Figure 2	Fiberglass Debris Landfill Site and Property Boundaries
Figure 3	Fiberglass Debris Landfill Site Confirmational Monitoring Sample Locations
Figure 4	Fiberglass Debris Landfill Site Confirmational Monitoring Sample Depths

## List of Acronyms and Abbreviations

bgs	Below ground surface
CAP	Cleanup Action Plan
COCs	Chemicals of concern
cPAHs	carcinogenic Polycyclic Aromatic Hydrocarbons
DEHP	Bis(2-ethylhexyl) phthalate
DNS	Determination of non-significance
Ecology	Washington State Department of Ecology
EPA	Environmental Protection Agency
FS	Feasibility Study
ug/kg	Micrograms per kilogram
MCL	Maximum contaminant level
MTCA	Model Toxics Control Act
PID	Photo ionization detector
PLP	Potentially Liable Party
PVC	Polyvinylchloride
RAP	Remedial action plan
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
SAP	Site Action Plan
SVOC	Semivolatile organic compound
TCLP	Toxic Characteristics Leaching Procedure
TEQ	Toxicity Equivalent
VOC	Volatile organic compound
WAC	Washington Administrative Code

# FIBERGLASS DEBRIS LANDFILL REMEDIAL ACTION REPORT

## 1.0 INTRODUCTION

In accordance with Section VI of Consent Decree No. 10-2-01899-6 and Section 7 of the 2010 Cleanup Action Plan, this report summarizes the remedial action conducted at the “Fiberglass Debris Landfill” located within the Hytec-Littlerock Site. The Hytec-Littlerock Site is located on property in a rural area of Thurston County southwest of Littlerock, Washington (see Figure 1). The Fiberglass Debris Landfill is shown in Figures 1 and 2 and is located within property in the East ½ of the NW ¼ of Section 9, Township 16 North, Range 3 West of the Willamette Meridian. The Fiberglass Debris Landfill area is accessed via Halo-Kuntux Lane, a private gated road connecting to Bordeaux Road on the southern boundary of the property.

Ecology prepared a Cleanup Action Plan (CAP, Ecology 2010) requiring specific remedial actions at the Fiberglass Debris Landfill. The remedial actions were initiated at the Fiberglass Debris Landfill during 2011 including groundwater well installation and monitoring in 2012. The results of the remedial actions are presented in this report.

### 1.1 Site History

Regulatory History. The Washington Department of Ecology (Ecology) issued Agreed Order No. 2888 requiring the Potentially Liable Persons (PLPs) to perform a Remedial Investigation/ Feasibility Study (RI/FS) and to prepare a draft CAP for the Hytec-Littlerock property which, at that time, was defined as a 44-acre parcel. The RI/FS Work Plan was finalized in March 2006 (CALIBRE, 2006a) and the RI/FS Report was finalized in August 2007. Based on the results of the RI/FS, Ecology prepared draft and final CAPs.

Based on the Site characterization results from the RI/FS Report (CALIBRE 2007), Ecology concluded that there are two distinct smaller “sites” within the 44-acre property. The two sites are the (1) Fiberglass Debris Landfill Site, and (2) the Bordeaux Dump (including an adjacent area with a single rusted drum). This Remedial Action Report is limited to the remedial action conducted at the Fiberglass Debris Landfill Site (the “FDL Site”) in accordance with the applicable Fiberglass Debris Landfill CAP. The Remedial Action Report for the Bordeaux Dump will be submitted under separate cover.

In December 2009, Ecology completed a draft a CAP for the FDL Site (Ecology 2009). The draft CAP was submitted for public comment and a final CAP was issued in August 2010 (Ecology 2010a). Upon completion of the FDL Site CAP preparation, the PLPs Hytec, Inc. (Hytec) and Chauncey and Elizabeth Lufkin (Lufkin’s), signed a consent decree with Ecology regarding implementation of the FDL Site CAP. The consent decree was entered in Thurston County Superior Court on 20 August 2010. Following public notification, Ecology completed a SEPA Determination of non-significance (DNS) for the planned remedial actions (Ecology 2010b).

Based on the final FDL Site CAP, a Remedial Action Work Plan (RAWP) (CALIBRE 2011) was prepared to meet the Model Toxics Control Act (MTCA) requirements listed in Washington Administrative Code (WAC) 173-340-400 (and other related sections of WAC 173-340) and the Cleanup Action Plan for the FDL Site. The Site Remedial Action Work Plan was submitted in January 2011 and approved by Ecology in February 2011.

Site History. The Lufkin's purchased the entire 44-acre parcel in July 1975. At that time, Mr. Lufkin was the President of Hytec which manufactured fiberglass bathroom fixtures at facilities in Tumwater and Yelm, Washington. Hytec obtained a solid waste disposal permit from the Thurston-Mason County Health District and Hytec waste materials comprised of fiberglass, fiberglass trimmings, and waste polyester resin were disposed of in the area now referred to as the FDL Site. Disposal at the landfill started in mid-1976 and was discontinued before 1978. After that time, waste materials generated by Hytec were disposed at the Hawks Prairie Landfill in Thurston County.

The 44-acre parcel was subdivided in 1998 and included four, five-acre parcels on the west side of the Site a 24-acre parcel on the east side Halo Kuntux Lane also including the existing gravel pit along Bordeaux Road. The 24-acre parcel is undeveloped and wooded except for several dirt roads.

Two of the five acre parcels were purchased by Mr. and Mrs. Pavlicek and two were purchased by Mr. and Mrs. Monte. The Monte's subsequently sold the two northern most 5 acre parcels; one to Ms. Morgan in 2002 and one to Mr. and Mrs. Spears in 2002 (see Figure 2). Two houses are present on the western side of the property, the Morgan home and the Pavlicek home. Groundwater wells have been installed for domestic purposes for both homes. Two wells exist on the Morgan property (only one is in use) and one well exists on the Pavlicek property.

## **1.2 Organization of Report**

This Remedial Action Report has been prepared to meet the MTCA requirements listed in WAC 173-340-840. The scope and level of detail required for this summary report has been tailored to the site-specific conditions and the nature and complexity of the cleanup actions conducted.

This report is organized as follows:

Section 1: Introduction, Site history, Organization of Report, and Selected Remedial Action Alternative

Section 2: Construction: Remedial Action Goals, Site Characteristics, Excavation, Restoration, and Monitoring Wells

Section 3: Monitoring: Protection Monitoring, and Sampling for Performance Monitoring

Section 4: Recommendations

Section 5: References

Appendix A	Load Sheets and Manifests
Appendix B	Laboratory Data Reports
Appendix C	Burn Permit
Appendix D	Well Construction Logs
Appendix E	Well Sample Data Sheets
Appendix F	Photographs

The following two appendices are to be added when completed.

Appendix G	Quarterly Monitoring Addendum - September 2012
Appendix H	Quarterly Monitoring Addendum – January 2013

### **1.3 Selected Remedial Action Alternative**

Five cleanup alternatives for the Site were presented and discussed in the Feasibility Study (FS) (CALIBRE 2007). Alternative 5, Excavation and Off-Site Disposal or Recycling was the selected remedial action as set forth in the Final FDL Site CAP (Ecology 2010).

## **2.0 CONSTRUCTION**

This section presents a summary of the remedial action goals, site characteristics, a narrative of the construction activities undertaken to achieve the remedial action goals, restoration activities completed after the construction phase was complete, and the installation of new wells.

### **2.1 Remedial Action Goals**

As detailed in the FDL Site CAP, the goals of the cleanup action were:

- 1) Remove debris and fill at the Fiberglass Debris Landfill.
- 2) Remediate the soil to meet MTCA B criteria (through excavation and off- FDL Site disposal).
- 3) Collect additional groundwater monitoring data to verify that FDL Site groundwater is not impacted at levels that exceed MTCA B criteria (for use as potable water supply).

### **2.2 Site Characteristics**

Detailed characteristics of the FDL Site are presented in the RI/FS Report (CALIBRE 2007) and the CAP (Ecology 2010). The location and extent of the landfill was determined using historical photographs, geophysical studies, and characterization studies conducted during the RI (see Figure 2).

Key details of the characterization studies related to the Fiberglass Debris Landfill include:

- Boundary of filled area - irregular shape approximately 1-acre total, fill depth ~ 2-9 feet, samples of fill (mixture of debris and soil) exceed MTCA B standards (a summary of



detected analytes above Method B standards (for residential use) are presented in Table 3-1).

- Soil beneath filled area - sampling indicated all soil samples collected beneath the fill to be at concentrations below MTCA B standards.

Key details of the characterization studies related to FDL Site groundwater include the following:

- Groundwater at and around the FDL Site is used as a potable water supply. The two private water-supply wells in the area of the FDL Site (Morgan and Spears private wells) are screened in the bedrock. The water-level data indicates a downward vertical gradient from the shallow perched zone to the deeper zones in bedrock. The third water-supply well (Pavlicek well), located south of the FDL Site, is screened in the glacial outwash gravel.
- Groundwater cleanup levels in the CAP are based on the MTCA Method A or Method B criteria. The CAP has compared the Site chemicals of concern (COCs) with the applicable groundwater cleanup levels.
- Multiple groundwater monitoring wells were installed near and around the Fiberglass Landfill footprint; additional onetime grab samples (direct push probe sampling) were also collected. The onetime grab samples were completed to evaluate site conditions and select locations for the FDL Site monitoring wells. Multiple rounds of groundwater sampling were completed (in the RI).
- Based on the existing data (i.e., data collected in the RI and historical data collected previously), the concentrations of substances detected in groundwater around and beneath the Fiberglass Debris Landfill have not exceeded the applicable MTCA cleanup levels (i.e., the groundwater sampling results meet the MTCA standards for use as a potable water supply).

### **2.3 Excavation**

Property access agreements were requested and received for the required remedial actions from the property owners prior to commencing remedial activities. A utility clearance was performed before conducting any intrusive work at the Site. The excavation phase of the remedial action began in July 2011 by clearing and grubbing the FDL Site and an adjacent staging area. The area cleared was approximately 300 feet by 300 feet (see Figure 2). All trees, brush, and other vegetation was removed and piled in a burn pile at the Bordeaux Dump staging area. Photographs of excavation activities are presented in Appendix F.

As a practical matter to better manage the process of excavation/stockpiling/ transport, the Fiberglass Debris Landfill was divided into three subunits: the Hytec East (HE) unit, located east of Halo-Kuntux Lane; the Hytec Morgan unit (HM), located on the Morgan parcel and included that portion of the landfill located under the road and Morgan driveway; and the Hytec Spears unit (HS), which included the remainder of the landfill north of the other two units (primarily on the Spears parcel and including some of Lufkin's 24-acre property). The procedure for excavation was to begin digging near the projected boundary of each unit and continue down and out until no

debris or discolored soil remained. Excavation proceeded in the order that the units are listed above with the exception that debris under the road and driveway was excavated at times when it would cause the minimum ingress/egress restrictions to the Morgan residence.

All three units were somewhat larger in size and volume than the original estimate. Since the fiberglass landfill followed the contours of natural depressions, the debris did not stop at an abrupt edge as would be the case in an excavated landfill. Rather, the debris tapered out thinner and thinner to a point beyond where the geophysical testing could detect it. Also, the debris was somewhat deeper in the center than was expected and continued under the road and driveway where soil compaction during the prior road construction rendered the geophysical testing data less reliable.

Following clearing and grubbing activities, all debris and any discolored soil down to native soil was excavated from each of the subunits and consolidated in a waste pile staging area. Materials that were considered to be potentially hazardous were placed in a separate pile. These potentially hazardous materials consisted of large and small pieces of foam, crushed drums containing solidified or jelled resin, and 1-gallon plastic containers with solidified test batches of colored resin. The method used to sort out the potentially hazardous material was to manually pull out foam chunks and small plastic test jugs as excavation progressed. All drums were visually inspected to screen drums out that contained any material from those that were empty. A PID was used to screen questionable drums. The amount of material removed (debris and soil) was approximately 4,300 cubic yards. All excavated materials were placed on plastic sheeting in the staging area with a separate staging area for the potentially hazardous materials.

Sampling and analyses were conducted on the bulk soil/debris pile in the staging area (see Section 3 – Monitoring). After analytical results confirmed the material was non-hazardous, the soil and debris was loaded on trucks and transported to a permitted landfill located near Castle Rock, WA. In all, 233 truck and trailer loads totaling 8,109.9 tons, or approximately 4,320 cubic yards, were transported to the landfill (see Appendix A for load and weight documentation). Due to on-site storage limitations, the excavation, waste characterization, and transportation of materials to the landfill were conducted in several stages (i.e., excavation of the entire landfill was not completed prior to hauling non-hazardous debris and soil to the permitted landfill).

The potentially hazardous waste pile was loaded on four trucks with trailers and transported to the U. S. Ecology hazardous waste landfill in Grandview, Idaho. The total amount of potentially hazardous waste disposed at the U.S. Ecology landfill was 76.1 tons, or approximately 80 cubic yards. Waste load sheets and manifests are presented in Appendix A.

## **2.4 Restoration**

All excavations at the Site were backfilled using material that was excavated from a nearby borrow pit on the 24- acre property. The RI included soil sampling in the borrow area which demonstrated that soils from the borrow pit were clean (meeting MTCA B standards for

residential soil). The backfill was moderately compacted at one-foot intervals with a roller. The portion of the backfilled excavation on the Morgan property and part of the excavation on the Spears property had 250 cubic yards of locally purchased topsoil spread on it followed by moderate compacting with a roller. The total amount of fill (including top soil) used in backfilling the excavation was estimated at 4,300 cubic yards.

Parts of Halo-Kuntux Lane and the cul-de-sac at the end of the Morgan driveway were removed during excavation activities. The impacted portions of the road, driveway, and cul-de-sac were reconstructed to County specifications using 48 cubic yards of 1 ½" minus base course gravel topped with 60 cubic yards of ¾" minus crushed gravel. Both courses were leveled and compacted with a roller.

All trees, brush, and other surface vegetation that were removed during clearing and grubbing activities were burned on site. A burn permit was obtained from the Olympic Region Clean Air Agency (ORCAA) prior to burning activities (see Appendix C).

Following backfill operations, a harrow was used to smooth the surface of all disturbed areas (all areas cleared, excavated and backfilled). These areas were then seeded with a mix of locally adapted grasses and legumes, followed by a second pass with the harrow. In addition, the restored portion of the Morgan and Spears property had 20 Douglas fir trees (8-10 foot), 4 cedar trees (6-8 foot), and 6 Thundercloud plum trees (5-6 foot) planted on it. Follow-on visual inspections (completed in March and July 2012) showed good germination and established vegetation on all restored areas.

## **2.5 Monitoring Wells**

In February 2012, two new wells were drilled into bedrock at the FDL Site per the requirements of the CAP (on Lufkin 24-acre property). The first well, well HLMW-05B (tag #BHH-102), was drilled near monitoring well HLMW-02A to a depth of 241 feet below ground surface (bgs). The second well, well HLMW-06B (tag #BHH-103), was drilled near monitoring well HLMW-03A to a depth of 183 feet bgs. The depth for each of these wells was based on the first water bearing zone (fractured bedrock) that was encountered in the drilling.

For well HLMW-05B, a six-inch steel casing was driven into basalt bedrock at 53 feet bgs sealing off the surficial aquifer. In addition, a 20-foot long 10-inch temporary steel casing was installed around the 6-inch steel casing. Four and one-half inch polyvinylchloride (PVC) casing was inserted through the steel casing down into the bedrock open hole to the total well depth. The bottom 40 feet of PVC pipe consisted of 20-slot screen. The PVC riser extended up to within 20 feet of the top of the steel casing. Twelve 50 pound bags of Pure Gold medium bentonite chips were poured into the annular space between the 6-inch steel casing and the 20-foot long 10-inch steel temporary casing as it was withdrawn. The bentonite chips were then hydrated with water forming a seal around the well casing. A standard water well cap was secured to the top of the well casing approximately a foot above the ground surface.

For well HLMW-06B, a six-inch steel casing was driven into basalt bedrock at 74 feet bgs sealing off the surficial aquifer. A 20-foot long 10-inch temporary steel casing was installed around the 6-inch steel casing. Four and one-half inch PVC casing was inserted through the steel casing down into the bedrock open hole to the total well depth. The bottom 40 feet of PVC pipe consisted of 40-slot screen. The PVC riser extended up to within 20 feet of the top of the steel casing. Eleven 50 pound bags of Hole Plug bentonite granules were poured into the annular space between the 6-inch steel casing and the 20-foot long 10-inch steel temporary casing as it was withdrawn. The bentonite granules were then hydrated with water forming a seal around the well casing. A standard water well cap was secured to the top of the well casing approximately a foot above the ground surface.

The wells were developed using a Waterra pump with ¾-inch tubing, foot valve, and surge block attached to the foot valve. This procedure entails simultaneous pumping and surging of the well to maximize the removal of fines. Through this process, 160 gallons of water were purged from well HLMW-05B and 100 gallons were purged from well HLMW-06B.

In July 2012, these two wells were redeveloped using a four-inch Grundfos submersible pump. At that time, 500 gallons of water were purged from well HLMW-05B and 550 gallons of water were purged from well HLMW-06B. Well HLMW-05B was pumped dry after one hour and purging continued at the well recharge rate for another hour to complete a thorough casing volume removal. The 550 gallons purged out of HLMW-06B constituted three casing volumes.

Well Construction Logs are presented in Appendix D. Table 2-1 shows the well construction summary for new and existing monitoring wells. Locations of the wells are depicted on Figure 3.

Upon Site closure, and with concurrence from Ecology, all monitoring wells at the Site will be decommissioned in accordance with WAC 173-160.

### **3.0 MONITORING**

This section describes the compliance monitoring conducted in accordance with the RAP: protection monitoring for the protection of human health (Section 3.1); performance monitoring to confirm the cleanup action has attained cleanup standards (Section 3.2); and confirmational groundwater monitoring to confirm the long-term effectiveness of the cleanup action (Section 3.3).

#### **3.1 Protection Monitoring**

The protection monitoring included use of a photoionization detector (PID) to ensure that workers did not encounter atmosphere with potentially unsafe levels of vapors in the breathing zone (see the Health and Safety plan [CALIBRE 2006b]). The PID was also used to screen drums for the presence of volatiles.

Visual monitoring was performed continually to determine when/if levels of airborne dust had increased. When dusty conditions were apparent a water trailer was used for dust suppression/control.

### **3.2 Performance Monitoring**

Sampling for performance monitoring has included collecting soil samples to confirm that all contaminated soil and debris had been removed from the excavated area, soil samples taken from the borrow source area to ensure that backfill materials were clean, and groundwater sampling to ensure that the groundwater was not impacted. Additional sampling was completed as a waste characterization step (of the excavated stockpiles and different from the performance monitoring) that was required for the waste disposal decisions/acceptance at the disposal landfills.

#### **3.2.1 Cleanup Levels and Points of Compliance for Soil and Groundwater**

For soil cleanup levels based on protection of groundwater, the point of compliance is soil throughout the Site. For soil cleanup levels based on human exposure or ecological exposure (i.e., via direct contact or other exposure pathways where contact with the soil is required), the standard point of compliance is all soil throughout the Site to a depth of fifteen feet bgs. This is based on the estimated depth of soil that could be excavated and distributed at the soil surface as a result of Site development activities. The cleanup levels of COCs for soils at the Site are presented in Table 3-1.

Groundwater at and around the Site is used as a potable water supply. The property is zoned residential and all cleanup levels for protection of human health are based on residential exposure scenarios (typically the highest frequency of exposure and therefore requiring the lowest cleanup levels). Groundwater cleanup levels are based on the MTCA Method A, or Method B if there is no Method A value for a specific COC. The points of compliance for groundwater are all the groundwater monitoring wells specified in the CAP compliance monitoring plan (HLMW-1A, HLMW-2A, HLMW-3A, HLMW-4A, Morgan's well, Spears' well, Pavlicek's well, and two new deep wells that were installed in the bed rock, wells HLMW-5B, HLMW-6B).

Additional information on these Ecology approved cleanup levels and how they were derived are presented in Table 3-1, in the RAP (CALIBRE 2011a), and in Technical Memorandum Recommended Cleanup Level for Cadmium in Soil at the Hytec Littlerock Site following MTCA Procedures in WAC 173-340-740 and WAC 173-340-747 (CALIBRE 2011b).

#### **3.2.2 Sampling from Excavations**

After excavation of the landfill areas, grab soil samples were collected from each of the 40 grid units marked off in the bottom of the excavation. Soil sampling in the excavated areas was conducted from the most discolored soil areas observed (if any) within each gridded unit or, as a default, the center of each gridded unit when no discoloration was observed. The confirmation soil samples were analyzed for volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270, and total metals by EPA Method 6020. All analytical results (i.e., 100% of the confirmation samples) were below the approved cleanup standards in the CAP.

The Hytec East unit had 8 confirmation samples collected (HE-01 through HE-08). The Hytec Morgan unit had 15 confirmation samples collected (HM-01 through HM-15). The Hytec Spears unit had 17 confirmation samples collected (HS-01 through HS-08 and HS-16 through HS-24, no samples were labeled HS-09 through HS-15). Each of the confirmation samples were labeled according to the specific area they were collected with the corresponding date the samples were collected. For example, HE-01-080211 was collected from Hytec East at grid unit 1 on August 2, 2011. Figure 3 shows the three specific Hytec areas (Hytec East-HE, Hytec Morgan-HM, and Hytec Spears-HS) with the specific sampling locations for each area. Additionally, Figure 4 presents the excavated depth at which each sample was collected (the base of the excavation when all fill was removed and native soil was encountered).

Table 3-2 presents all of the soil sample analytical results for the landfill area excavation confirmation samples. Complete laboratory analytical reports are contained in Appendix B. Ecology provided comments on the first draft of this RA report and requested additional laboratory data on the analytical method detection limits (MDLs) for two compounds (bis(2-chloroethyl)ether and pentachlorophenol). These compounds were not identified as COCs for this project and were initially reported as non-detect at the standard method reporting level (RL) for the confirmational soil sampling.

The lab (Fremont Analytical) was consulted and they re-reviewed all results and provided analytical results (for bis(2-chloroethyl)ether and pentachlorophenol) down to the MDL for these compounds. The updated analytical results are included in Appendix B. All confirmational soil sampling results are reported as non-detect at the MDL for these compounds. The MDLs vary by sample and range from 5 to 38 ug/kg for bis(2-chloroethyl)ether and from 3 to 74 ug/kg for pentachlorophenol. The results (and MDLs) meet the objectives established in WAC 173-340-707 (Analytical Considerations under MTCA).

### 3.2.3 Sampling from Backfill Borrow Source

The Site RI/FS (CALIBRE 2007) included sampling on a grid pattern over the base of the gravel pit and all sample result were below all applicable MTCA Method B standards for all analytes (metals, SVOCs, VOCs, and fuel related compounds). Excavated backfill materials all came from native glacial outwash from the borrow source. The borrow sampling and analytical results from the RI/FS are presented in Appendix B.

### 3.2.4 Waste Characterization Sampling

Seven composite samples were taken from the non-hazardous waste stockpile; samples HETSP-1, HETSP-2, HETSP-3, HETSP-4, HE-09, HE-10, and HE-11. The seven stockpile samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, and Toxic Characteristics Leaching Procedure (TCLP) Resource Conservation and Recovery Act (RCRA) 8 metals using EPA Method 1311 to characterize the waste for disposal. The sampling procedures (i.e., composite samples rather than grab samples), number of samples, and analytes required for analysis were specified by the Landfill in accordance with their procedures and permitting requirements. Laboratory analytical results showed all samples acceptable for disposal of the stockpiles in the permitted landfill. In addition, two samples (HE-12 and HE-13) were taken and analyzed in the laboratory for bulk density. Complete laboratory analytical reports are contained in Appendix B.

### 3.3 Confirmational Groundwater Monitoring

Groundwater is being sampled from Site monitoring wells and the Morgan domestic well on a quarterly basis in accordance with the CAP. Permission from the owners was obtained prior to collecting water samples from the wells. Results from the first two quarters (March and July 2012) of groundwater sampling are included in this report. Results from later sampling events (September 2012 and January 2013) will be reported under separate cover as addendums to this remedial action report.

#### 3.3.1 March 2012 Groundwater Sampling Event

Groundwater was sampled from 7 wells on 22 March 2012. Wells sampled included monitoring wells HLMW-1A, HLMW-2A, HLMW-3A, HLMW-4A, HLMW-5B, HLMW-6B, and the Morgan domestic well. During this first sampling event, groundwater samples were not collected from the Spears or Pavlicek well. The Spears well is a private water supply well with a pitless adapter and drop pipe with pump installed at the base. A sampling drop tube could not be lowered between the existing material within the well to collect a sample and we were not authorized to remove the existing equipment within the well. During the July 2012 sampling event CALIBRE used a smaller diameter sampling drop tube and samples were collected from the Spears well. Prior notification and discussions for access to the Pavlicek well were not completed at the time of the March 2012 sampling event. The agreement/notifications had been made by the July 2012 sampling event and groundwater samples were collected from the Pavlicek well at that time.

Sampling was conducted using a Waterra pump with dedicated tubing and a foot valve, except the Morgan well where the sample was collected from the nearest tap from the wellhead. A construction summary of these sampled wells is presented in Table 2-2. Depth to water measurements collected on 22 March 2012 on the six monitoring wells are presented in Table 3-3.

During well purging, water quality parameters were collected at five minute intervals. Purging continued until the water quality parameters had stabilized. The final water quality parameters can be found on Table 3-3. The well sample data sheets are presented in Appendix E.

Samples collected from the wells were analyzed for VOCs by EPA method 8260, SVOCs by EPA method 8270, total metals by EPA method 200.8, and mercury by EPA method 245.1. Two of the samples (HLMW-3A and HLMW-5B) were more turbid and also contained somewhat higher levels of selected total metals. These two samples were then filtered (by the laboratory from a separate sample bottle collected) and analyzed for dissolved metals by EPA method 200.8, and mercury by EPA method 245.1. The complete laboratory analytical reports are presented in Appendix B.

Trichlorofluoromethane (Freon 11) was the only VOC detected. It was found in four of the wells with the highest concentration found in well HLMW-4A at 12.8 ug/L. The maximum concentration detected is several orders of magnitude below the Method B standard of 2,400 ug/L. Table 3-4 shows the analytical results for VOCs detected in groundwater samples.

Two SVOCs were detected in the groundwater samples. All of the wells had detections of bis(2-ethylhexyl) phthalate with two of the wells, HLMW-4A and HLMW-5B, having concentrations of 24.1 ug/L and 11.8 ug/L, respectively, both of which exceeded the MCL of 6 ug/L. All other wells had concentrations of bis(2-ethylhexyl) phthalate below the MCL. Well HLMW-2A had phenanthrene at a trace level of 0.58 ug/L. There is no MTCA cleanup level or EPA MCL for phenanthrene. Table 3-5 shows the analytical results for SVOCs detected in groundwater samples.

Analyses for total metals showed detections for antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, and zinc. None of the total metal detections exceeded MCLs, except for arsenic which was detected at 15.4 ug/L in well HLMW-3A, which exceeded the MCL of 10 ug/L. This sample was analyzed for dissolved metals analysis and arsenic was not detected in the sample.

Analyses for dissolved metals in samples HLMW-3A and HLMW-5B showed detections of antimony, arsenic, chromium, copper, nickel, and zinc. All detections of dissolved metals were below MCLs. Analytical results for metals (total and dissolved) are presented in Table 3-6. Metals results for silver, thallium, and mercury are not included in Table 3-6 because all results were non-detect for these metals. The complete laboratory analytical reports are presented in Appendix B.

The first quarterly sampling results indicated levels of two compounds that exceed MCLs in three wells. Bis(2-ethylhexyl) phthalate concentrations exceeded the MCL (MCL of 6 ug/L) in wells HLMW-4A and HLMW-5B. In addition, well HLMW-3A had concentration of arsenic above the MCL in the total metal analysis, however the dissolved metal analysis was non-detect for arsenic. Neither of these compounds were identified as COCs in the RI/FS and CAP. The elevated arsenic detection in the total metals analysis was due to the sample turbidity (i.e., naturally



occurring arsenic and several other metals are present within/on soil particles in the turbid sample, but not present in the dissolved analysis).

Bis(2-ethylhexyl) phthalate (DEHP) is used in the production of polyvinyl chloride (PVC) and a variety of plastics where it is added to plastics to make them flexible. In December 2005, the concentration was 1.1 ug/L in this well and low levels of DEHP have routinely been detected in site wells. This compound is also a very common laboratory contaminant; however, DEHP has been detected in waste materials so concentrations in groundwater could potentially be related to the wastes that were previously disposed at the Site. Future sampling and analysis will determine if these detected concentrations decline following the remedial action completed.

### 3.3.2 July 2012 Groundwater Sampling Event

Groundwater was sampled from 9 wells on 11, 12, and 13 July 2012. Wells sampled included monitoring wells HLMW-1A, HLMW-2A, HLMW-3A, HLMW-4A, HLMW-5B, HLMW-6B, the Morgan domestic well, the Spears domestic well, and the Pavlicek domestic well. Sampling was conducted using a Waterra pump with dedicated tubing and a foot valve, except the Morgan well and the Pavlicek well where the sample was collected from the nearest tap from the wellhead. A construction summary of these sampled wells is presented in Table 2-2. Depth to water measurements collected on 11, 12, and 13 July 2012 on seven of the wells are presented in Table 3-7.

During well purging, water quality parameters were collected at five minute intervals. Purging continued until the water quality parameters had stabilized. The final water quality parameters can be found on Table 3-3. Water quality parameters were not taken from wells HLMW-5B and HLMW-6B since the purging was done with a submersible pump which pumped the well dry in the case of HLMW-5B and pumped out three casing volumes in the case of HLMW-6B. Well sample data sheets can be found in Appendix E. The complete laboratory analytical reports can be found in Appendix B.

Samples collected from the wells were analyzed for VOCs by EPA method 8260, SVOCs by EPA method 8270, total metals by EPA method 200.8, and mercury by EPA method 245.1. Two of the samples (HLMW-1A and HLMW-3A) were more turbid and also contained somewhat higher levels of selected total metals. These two samples were then filtered (by the laboratory from a separate sample bottle collected) and analyzed for dissolved metals by EPA method 200.8, and mercury by EPA method 245.1.

Trichlorofluoromethane (Freon 11) was the only VOC detected and the concentration was below the MTCA Method B standard. It was found in four of the wells with the highest concentration found in well HLMW-4A at 8.45 ug/L, which is below the MTCA Method B standard of 2,400 ug/L. Table 3-8 shows the analytical results for VOCs detected in groundwater samples.

Three SVOCs were detected in the samples below their respective MCL or MTCA Method B concentrations. One of the wells, HLMW-1A, had a detection of bis(2-ethylhexyl) phthalate at a

concentration of 3.7 ug/L, which is below the MCL of 6 ug/L. The Spears well had a detection of diethylphthalate at a concentration of 1.45 ug/L, which is below the MTCA Method B criteria of 12,800 ug/L. Four of the samples had low level detections of di-n-butyl phthalate. However since di-n-butyl phthalate was also detected in the laboratory method blank at similar concentrations, it was determined that the di-n-butyl phthalate was a laboratory contaminant. Table 3-9 shows the analytical results for SVOCs detected in groundwater samples.

Analyses for total metals showed detections for antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, tin, and zinc. None of the total metals detections exceeded MCLs except for chromium at 138 ug/L in well HLMW-1A (a turbid sample) which exceeded the MCL of 100 ug/L. Due to the sample turbidity this sample was then filtered (by the laboratory from a separate sample bottle collected) and then analyzed for dissolved metals. The dissolved metal analysis for chromium was 1.32 ug/L, significantly below the MCL of 100 ug/L.

Analyses for dissolved metals in samples HLMW-1A and HLMW-3A showed detections of antimony, arsenic, chromium, copper, nickel, tin, and zinc. All detections of dissolved metals were below MCLs. Analytical results for metals (total and dissolved are presented in Table 3-10). Metals results for silver, thallium, and mercury are not included in Table 3-10 because all results were non-detect for these metals. The complete laboratory analytical reports can be found in Appendix B.

The second quarterly sampling results indicate levels of contaminants that exceed MCLs in one well. Well HLMW-1A had concentration of chromium above the MCL in the total metal analysis; however the dissolved metal analysis for chromium was 1.32 ug/L, significantly below the MCL of 100 ug/L. The elevated chromium detection in the total metals analysis was likely due to the sample turbidity. The total metals analysis indicated increased levels of several metals, as is expected for a turbid sample, and the dissolved analysis indicated much lower levels for all metals.

The DEHP concentrations above the MCL in well HLMW-4A and HLMW-5B found during the March 2012 sampling event were not detected in the July sampling. The prior DEHP concentrations (first quarterly sampling) may have been associated with the well drilling process (from hoses and storage tanks). After a more thorough purging was accomplished prior to the July sampling, there was no detection of DEHP in any of the wells at a level at or above the MCL (6 ug/L).

Ecology provided comments on the first draft of this RA report and requested additional laboratory data on the analytical MDLs for two compounds (bis(2-chloroethyl)ether and pentachlorophenol). These compounds were not identified as COCs for this project and were initially reported as non-detect at the standard method RL for the groundwater samples

The lab (Fremont Analytical) was consulted and they re-reviewed all results and provided analytical results (for bis(2-chloroethyl)ether and pentachlorophenol) down to the MDL for these compounds. The updated analytical results are included in Appendix B. All groundwater

sampling results are reported as non-detect at the MDL for these compounds. The MDLs are 0.03 ug/L for both bis(2-chloroethyl)ether and pentachlorophenol. The results (and MDLs) meet the objectives established in the MTCA.

#### **4.0 RECOMMENDATIONS**

The remedial action conducted at the Fiberglass Debris Landfill Site has been completed in substantial compliance with the Final Remedial Action Plan (CALIBRE 2011a) and the Final Cleanup Action Plan for the Fiberglass Debris Landfill (Ecology 2010). Quarterly samples should be taken again in October 2012 and January 2013 from all of the wells. If the results from those two quarterly sampling event do not show any detections above the MCLs, then a site closure request should be submitted to Ecology.

#### **5.0 REFERENCES**

CALIBRE 2006a, Remedial Investigation/Feasibility Study Work Plan, Hytec – Littlerock Site, Halo-Kuntux Lane, Littlerock, Washington. March 2006.

CALIBRE 2006b. Health and Safety Plan, Hytec-Littlerock Site, Olympia, Washington. February 2006.

CALIBRE 2007. Remedial Investigation/Feasibility Study Report, Hytec – Littlerock Site, Halo-Kuntux Lane, Littlerock, Washington. August 2007.

CALIBRE 2011a, Final Remedial Action Plan for Fiberglass Debris Landfill, Hytec-Littlerock Site, Halo-Kuntux Lane, Littlerock, Washington. January, 2011.

CALIBRE 2011b. Technical Memorandum: Recommended Cleanup Level for Cadmium in Soil at the Hytec Littlerock Site following MTCA Procedures in WAC 173-340-740 and WAC 173-340-747. February 2011.

Ecology 2009a. Draft Cleanup Action Plan for Fiberglass Debris Landfill, Hytec-Littlerock Site, Halo-Kuntux Lane, Littlerock Washington. Prepared by: Washington State Department of Ecology, Southwest Regional Office, Toxics Cleanup Program. December 2009

Ecology 2010a. Final Cleanup Action Plan for Fiberglass Debris Landfill, Hytec-Littlerock Site, Halo-Kuntux Lane, Littlerock Washington. Prepared by: Washington State Department of Ecology, Southwest Regional Office, Toxics Cleanup Program. August 2010.

Ecology 2010b. SEPA Determination of non-significance (DNS), Washington State Department of Ecology, Southwest Regional Office. June 2010.

## TABLES

**Table 2-1 Site Well Construction Summary**

Well Number	Top of Casing Elevation (ft)	Total Drilled Depth (bgs) (ft)	Well Coordinates		Screened Interval (ft)	Bentonite Interval (ft)	Aquifer Zone
			Northing (ft)	Easting (ft)			
HLMW-01A	234.00	23	579,521	998,292	11 - 21	2 - 10	A
HLMW-02A	231.81	39	579,366	998,569	20 - 35	2 - 18.5	A
HLMW-03A	229.64	56.5	579,187	998,527	40 - 55	2 - 38.5	A
HLMW-04A	230.99	30.5	579,411	998,372	16 - 26	2 - 14.5	A
HLMW-05B	NA	241	579,369	998,596	201 - 241	0 - 20	B
HLMW-06B	NA	183	579,177	998,515	143 - 183	0 - 20	B
Morgan	230.60	180	579,415	998,343	140-180	NA	B
Spears	230.9	200	579,421	998,342	140-200	NA	B
Pavlicek	229.6	62	578,988	998,324	57-62	NA	A

Notes:

bgs = Below ground surface

NA = Not Available

Well coordinates are based on the Washington State Plane Coordinate System

All elevations are in feet referenced to NGVD 29

**Table 3-1 Soil Cleanup Levels and Chemicals of Concern, Fiberglass Debris Landfill  
(all data are from the CAP for the Fiberglass Debris Landfill, Ecology 2010)**

Chemicals Of Concern	Highest Concentration Measured (µg/kg)	MTCA Methods A or B Soil Cleanup level (µg/kg) <sup>(1)</sup>	MTCA Method B Soil Cleanup level (based on soil leaching to groundwater), (µg/kg) <sup>(2)</sup>	Ecological Criteria for unrestricted land use (µg/kg) <sup>(3)</sup>
Cadmium	3,000	<b>2,000<sup>(5)</sup></b>	690	25,000
1,2-Dichloroethane	130	11,000	<b>24</b>	-
1,4-Dichlorobenzene	1,600	42,000	<b>1,237</b>	-
Carbon tetrachloride	700	7,700	<b>46</b>	-
Chlorobenzene	2,200	1,600,000	<b>874</b>	-
Styrene	330,000	33,000	<b>2,234</b>	-
Trichlorofluoromethane	1,800,000	24,000,000	<b>36,854</b>	-
Bis(2-chloroethyl)ether	270	910	<b>0.20</b>	-
Carcinogenic Polycyclic Aromatic Hydrocarbon (cPAHs) <sup>(4)</sup> , (TEQ) <sup>(4)</sup>	240	<b>140</b>	-	30,000
Dimethyl phthalate	340,000	80,000,000	<b>87,040</b>	-
Pentachlorophenol	2,600	8,300	<b>16</b>	11,000

Values presented in **Bold font** are the applicable soil cleanup levels at the Point of Compliance, unless noted otherwise based on footnotes listed.

<sup>(1)</sup> MTCA Methods A or B Soil Cleanup Levels for unrestricted land use.

<sup>(2)</sup> Soil-to-groundwater values calculated by equation 747-1 in the MTCA.

<sup>(3)</sup> Table 749-2 of the MTCA, Criteria for unrestricted land use.

<sup>(4)</sup> Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAH) include Benzo(a)Pyrene, Benzo(a) Anthracene, Benzo(b)Fluoranthene, Benzo(k)Fluoranthene, Chrysene, Dibenzo(a,h) Anthracene, and Indeno(1,2,3-cd)Pyrene. Total Toxicity Equivalent (TEQ) was calculated by multiplying each cPAH compound concentration by the Toxic Equivalency Factor (TEF) for that compound. The TEFs used in the CAP for each cPAHs are the following: Benzo(a)pyrene = 1, Benzo(a) Anthracene = 0.1, Benzo(b)Fluoranthene = 0.1, Benzo(k)Fluoranthene = 0.1, Chrysene = 0.01, Dibenzo(a,h) Anthracene = 0.1, and Indeno(1,2,3-cd)Pyrene = 0.1.

<sup>(5)</sup> Soil cleanup threshold level from MTCA Method A determined to be most appropriate for the Site in Technical Memorandum Recommended Cleanup Level for Cadmium in Soil at the Hytec Littlerock Site following MTCA Procedures in WAC 173-340-740 and WAC 173-340-747 (CALIBRE 2011).

**Table 3-2 Fiberglass Debris Landfill Area Analytical Data for Excavation Confirmation Samples**

Sample Number	Sample Location	Cadmium ug/kg	1,2-Dichloroethane ug/kg	1,4-Dichlorobenzene ug/kg	Carbon tetrachloride ug/kg	Chlorobenzene ug/kg	Styrene ug/kg	Trichlorofluoromethane ug/kg	Bis(2-chloroethyl)ether ug/kg	cPAHs, ug/kg	TEQ ug/kg	Dimethyl phthalate ug/kg	Pentachlorophenol ug/kg
HE-01	Hytec East grid unit 1	697	ND	ND	ND	ND	ND	68.6	ND	ND	ND	3,260	ND
HE-02	Hytec East grid unit 2	353	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,440	ND
HE-03	Hytec East grid unit 3	387	ND	ND	ND	ND	ND	ND	ND	ND	ND	345	ND
HE-04	Hytec East grid unit 4	432	ND	ND	ND	ND	ND	118	ND	ND	ND	954	ND
HE-05	Hytec East grid unit 5	323	ND	ND	ND	ND	ND	ND	ND	ND	ND	718	ND
HE-06	Hytec East grid unit 6	344	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,310	ND
HE-07	Hytec East grid unit 7	1,420	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,100	ND
HE-08	Hytec East grid unit 8	225	ND	ND	ND	ND	ND	ND	ND	ND	ND	656	ND
HM-01	Hytec Morgan grid unit 1	237	ND	ND	ND	ND	ND	58.9	ND	ND	ND	ND	ND
HM-02	Hytec Morgan grid unit 2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	916	ND
HM-03	Hytec Morgan grid unit 3	179	ND	ND	ND	ND	ND	144	ND	ND	ND	10,800	ND
HM-04	Hytec Morgan grid unit 4	188	ND	ND	ND	ND	ND	84.6	ND	ND	ND	ND	ND
HM-05	Hytec Morgan grid unit 5	208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HM-06	Hytec Morgan grid unit 6	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HM-07	Hytec Morgan grid unit 7	251	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Table 3-2 Fiberglass Debris Landfill Area Analytical Data for Excavation Confirmation Samples (continued)**

Sample Number	Sample Location	Cadmium ug/kg	1,2-Dichloroethane ug/kg	1,4-Dichlorobenzene ug/kg	Carbon tetrachloride ug/kg	Chlorobenzene ug/kg	Styrene ug/kg	Trichlorofluoromethane ug/kg	Bis(2-chloroethyl)ether ug/kg	cPAHs, TEQ ug/kg	Dimethyl phthalate ug/kg	Pentachlorophenol ug/kg
HM-08	Hytec Morgan grid unit 8	202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HM-09	Hytec Morgan grid unit 9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HM-10	Hytec Morgan grid unit 10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS-01	Hytec Spears grid unit 1	352	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS-02	Hytec Spears grid unit 2	210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HM-11	Hytec Morgan grid unit 11	323	ND	ND	ND	ND	ND	ND	ND	ND	139	ND
HM-12	Hytec Morgan grid unit 12	183	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HM-13	Hytec Morgan grid unit 13	302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HM-14	Hytec Morgan grid unit 14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HM-15	Hytec Morgan grid unit 15	205	ND	ND	ND	ND	ND	ND	ND	ND	4,640	ND
HS-03	Hytec Spears grid unit 3	259	ND	ND	ND	ND	ND	ND	ND	ND	525	ND
HS-04	Hytec Spears grid unit 4	239	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS-05	Hytec Spears grid unit 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS-06	Hytec Spears grid unit 6	181	ND	ND	ND	ND	ND	ND	ND	ND	157	ND
HS-07	Hytec Spears grid unit 7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



**Table 3-2 Fiberglass Debris Landfill Area Analytical Data for Excavation Confirmation Samples (continued)**

Sample Number	Sample Location	Cadmium ug/kg	1,2-Dichloroethane ug/kg	1,4-Dichlorobenzene ug/kg	Carbon tetrachloride ug/kg	Chlorobenzene ug/kg	Styrene ug/kg	Trichlorofluoromethane ug/kg	Bis(2-chloroethyl)ether ug/kg	cPAHs, TEQ ug/kg	Dimethyl phthalate ug/kg	Pentachlorophenol ug/kg
HS-08	Hytec Spears grid unit 8	287	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS-16	Hytec Spears grid unit 16	147	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS-17	Hytec Spears grid unit 17	151	ND	ND	ND	ND	ND	ND	ND	ND	4,910	ND
HS-18	Hytec Spears grid unit 18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS-19	Hytec Spears grid unit 19	203	ND	ND	ND	ND	ND	ND	ND	ND	173	ND
HS-20	Hytec Spears grid unit 20	ND	ND	ND	ND	ND	ND	ND	ND	ND	688	ND
HS-21	Hytec Spears grid unit 21	ND	ND	ND	ND	ND	ND	ND	ND	ND	516	ND
HS-22	Hytec Spears grid unit 22	1,520	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS-23	Hytec Spears grid unit 23	ND	ND	ND	ND	ND	1,520	ND	ND	ND	8,580	ND
HS-24	Hytec Spears grid unit 24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

In order to manage the process of excavation/stockpiling/ transport, the Fiberglass Debris Landfill was divided into three subunits: the Hytec East (HE) unit, located east of Halo-Kuntux Lane; the Hytec Morgan unit (HM), located on the Morgan parcel and included that portion of the landfill located under the road and Morgan driveway; and the Hytec Spears unit (HS), which included the remainder of the landfill north of the other two units (primarily on the Spears parcel and including some of Lufkin's 24-acre property). The samples collected during excavation were labeled with the unit identification, sample number and the date which the sample was collected (e.g., HE-01-080211).

See figure 3 which presents the sampling locations/specific grid units within the three excavation areas (HE, HM, and HS). See figure 4 which presents the sampling depths for each sampling location.

**Table 3-3 Depth to Water and Field Water Quality Parameters, Fiberglass Debris Landfill  
March 2012 Sampling Event**

Well	Sampling Date	Depth to Water* 3/22/12 (feet)	Top of Casing Elevation * (feet)	pH	DO (mg/L)	Conductivity (mS/cm)	Temperature (°C)	eH/ORP (mV)	Turbidity (NTU)	Volume Purged (gallons)
HLMW-1A	3/22/12	9.86	234.00	6.3	5.8	0.07	7.3	411	140	3.5
HLMW-2A	3/22/12	28.21	231.81	6.1	6.0	0.06	7.1	403	98.7	3.5
HLMW-3A	3/22/12	29.46	229.64	6.1	3.9	0.09	6.3	405	>999	4
HLMW-4A	3/22/12	9.97	230.99	7.2	4.7	0.09	7.9	408	260	5
HLMW-5B	3/22/12	29.98	NA	10.0	2.8	0.26	8.1	256	>999	160
HLMW-6B	3/22/12	28.45	NA	8.3	4.5	0.24	6.5	299	73.9	100
Morgan	3/22/12	NA	230.6	-	-	-	-	-	-	-

NOTES:

\* Depth to water measurements from top of casing (TOC)

All field parameters collected during purging are presented in Appendix E.

Field parameters presented are the last readings recorded before sample collection.

All elevations are in feet referenced to NGVD 29

mg/L = milligrams per liter

mS/cm = millisiemens per centimeter

°C = degrees centigrade

mV = millivolts

NTU = Nephelometric Turbidity Units

NA = not available

**Table 3-4 VOCs Detected in Groundwater, Fiberglass Debris Landfill  
March 2012 Sampling Event  
(all concentrations in ug/L)**

Well	Sampling Date	Trichlorofluoromethane (Freon 11)
HLMW-1A	3/22/12	ND
HLMW-2A	3/22/12	7.65
HLMW-3A	3/22/12	4.18
HLMW-4A	3/22/12	12.8
HLMW-5B	3/22/12	ND
HLMW-6B	3/22/12	2.24
Morgan	3/22/12	ND
MTCA Method B		2400

Notes:

ND = non detect

All other VOCs (from the EPA method 8260 analyte list) were less than the method detection limit (non-detect)

**Table 3-5 SVOCs Detected in Groundwater  
Fiberglass Debris Landfill  
March 2012 Sampling Event  
(all concentrations in ug/L)**

Well	Sampling Date	bis(2-Ethylhexyl) phthalate	Phenanthrene
HLMW-1A	3/22/12	2.02	ND
HLMW-2A	3/22/12	1.43	0.58
HLMW-3A	3/22/12	1.36	ND
HLMW-4A	3/22/12	24.1	ND
HLMW-5B	3/22/12	11.8	ND
HLMW-6B	3/22/12	4.03	ND
Morgan	3/22/12	1	ND
MTCA Method B		6	NV
EPA MCL		6	NV

Notes:

ND = non detect

NV = no value (no regulatory criteria was identified)

All other SVOCs (from the EPA method 8270 analyte list) were less than the method detection limit (non-detect)

**Table 3-6 Metals Detected in Groundwater, Fiberglass Debris Landfill  
March 2012 Sampling Event  
(all concentrations in ug/L)**

Well	Sampling Date	Antimony		Arsenic		Beryllium		Cadmium		Chromium		Copper		Lead		Nickel		Zinc	
		Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.
HLMW-1A	3/22/12	0.568	NT	ND	NT	ND	NT	ND	NT	10	NT	5.36	NT	ND	NT	4.77	NT	24.5	NT
HLMW-2A	3/22/12	ND	NT	ND	NT	ND	NT	ND	NT	4	NT	2.9	NT	ND	NT	2.69	NT	12.8	NT
HLMW-3A	3/22/12	0.298	0.29	15.4	ND	0.836	ND	0.43	ND	47.8	2.06	67.3	3.36	8.5	ND	50.7	1.02	133	33.3
HLMW-4A	3/22/12	ND	NT	ND	NT	ND	NT	ND	NT	4.67	NT	2.42	NT	1.23	NT	1.37	NT	59.2	NT
HLMW-5B	3/22/12	0.581	0.812	ND	1.3	0.395	ND	0.435	ND	69.6	1.55	136	ND	1.88	ND	50.6	0.561	82.6	17.8
HLMW-6B	3/22/12	ND	NT	ND	NT	ND	NT	0.3	NT	6.73	NT	13	NT	ND	NT	4.37	NT	24.5	NT
Morgan	3/22/12	ND	NT	ND	NT	ND	NT	ND	NT	2.12	NT	1.54	NT	ND	NT	ND	NT	25.3	NT
MTCA Regulatory Limit*		6		10		4		5		100		1,300		15		100		4,800	
EPA MCLs (ug/L)		6		10		4		5		100		1,300 (Action Level)		15 (Action Level)		100 (proposed)		5,000 (SMCL)	

Notes:

ND = non-detects

NT = not taken

NV = no value

Diss. = dissolved

SMCL = Secondary Maximum Contaminant Level

\* MTCA Regulatory Limit (MTCA Method B)

**Table 3-7 Depth to Water and Field Water Quality Parameters, Fiberglass Debris Landfill  
July 2012 Sampling Event**

Well	Sampling Date	Depth to Water* (feet)	Top of Casing Elevation (feet)	pH	DO (mg/L)	Conductivity (mS/cm)	Temperature (°C)	eH/ORP (mV)	Turbidity (NTU)	Volume Purged (gallons)
HLMW-1A	7/11/12	13.87	234.00	5.6	8.6	0.059	10.8	205	24.9	3.5
HLMW-2A	7/11/12	33.48	231.81	5.7	6.1	0.050	17.8	170	425	1
HLMW-3A	7/11/12	45.88	229.64	5.8	7.3	0.082	10.4	254	1,000	4
HLMW-4A	7/11/12	24.27	230.99	5.6	5.3	0.092	10.6	234	22.1	3
HLMW-5B	7/12/12	50.10	NA	NA	NA	NA	NA	NA	NA	500
HLMW-6B	7/13/12	49.15	NA	NA	NA	NA	NA	NA	NA	550
HLMW-7A	7/11/12	43.97	NA	5.7	NA	0.061	8.9	255	709	4.5
Morgan	7/11/12	NA	230.6	8.4	2.6	0.224	11.3	61	0.2	90
Spears	7/11/12	53.81	NA	7.3	2.0	0.184	10.3	124	10.5	2.5
Pavlicek	7/11/12	NA	NA	6.0	NA	0.072	11.9	166	61.0	60

NOTES:

\* Depth to water measurements from top of casing (TOC)

All field parameters collected during purging are presented in Appendix E.

Field parameters presented are the last readings collected before sampling.

AMSL = above mean sea level

mg/L = milligrams per liter

mS/cm = millisiemens per centimeter

°C = degrees centigrade

mV = millivolts

NTU = Nephelometric Turbidity Units

NA = not available

**Table 3-8 VOCs Detected in Groundwater, Fiberglass Debris Landfill  
 July 2012 Sampling Event  
 (All concentrations in ug/L)**

Well	Sampling Date	Trichlorofluoromethane (Freon 11)
HLMW-1A	7/11/12	ND
HLMW-2A	7/11/12	3.17
HLMW-3A	7/11/12	1.92
HLMW-4A	7/11/12	8.45/8.71
HLMW-5B	7/12/12	ND
HLMW-6B	7/13/12	2.05
Morgan	7/11/12	ND
Spears	7/11/12	ND
Pavlicek	7/11/12	ND
MTCA Method B		2400

Notes:

ND = non detect

All other VOCs (from the EPA method 8260 analyte list) were less than the method detection limit (non-detect)

**Table 3-9 SVOCs Detected in Groundwater  
Fiberglass Debris Landfill  
July 2012 Sampling Event  
(all concentrations in ug/L)**

Well	Sampling Date	bis(2-Ethylhexyl) phthalate	Di-n-butyl phthalate	Diethylphthalate
HLMW-1A	7/11/12	3.7	1.55 B	ND
HLMW-2A	7/11/12	ND	ND	ND
HLMW-3A	7/11/12	ND	ND	ND
HLMW-4A	7/11/12	ND	1.37 B/1.31 B	ND
HLMW-5B	7/12/12	ND	ND	ND
HLMW-6B	7/13/12	ND	ND	ND
Morgan	7/11/12	ND	ND	ND
Spears	7/11/12	ND	1.12 B	1.45
Pavlicek	7/11/12	ND	1.46 B	ND
MTCA B		6	1,600	12,800
EPA MCL (or other if no MCL exists)		6	NV	30,000 (Drinking Water Equivalent Level)

Notes:

ND = non-detect

NV = no value (no regulatory criteria was identified)

All other SVOCs (from the EPA method 8270 analyte list) were less than The method detection limit (non-detect).

Drinking Water Equivalent Level = A lifetime exposure concentration protective of adverse, noncarcinogenic health effects, that assumes all of the exposure to a contaminant is from drinking water. (US EPA)



**Table 3-10 Metals Detected in Groundwater, Fiberglass Debris Landfill  
July 2012 Sampling Event  
(all concentrations in ug/L)**

Well	Sampling Date	Antimony		Arsenic		Beryllium		Cadmium		Chromium	
		Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.
HLMW-1A	7/11/12	0.503	0.223	8.51	ND	1.02	ND	0.486	ND	138	1.32
HLMW-2A	7/11/12	ND	NT	2.64	NT	0.344	NT	0.366	NT	16.2	NT
HLMW-3A	7/11/12	0.222	0.455	7.11	1.41	0.256	ND	ND	ND	15.2	1.0
HLMW-4A	7/11/12	ND/ND	NT	1.67/ND	NT	ND/ND	NT	ND/ND	NT	4.5/ 4.84	NT
HLMW-5B	7/12/12	0.6	NT	1.82	NT	ND	NT	ND	NT	3.58	NT
HLMW-6B	7/13/12	0.329	NT	1.2	NT	ND	NT	ND	NT	7.85	NT
Morgan	7/11/12	0.285	NT	1.71	NT	ND	NT	ND	NT	0.54	NT
Spears	7/11/12	0.288	NT	ND	NT	ND	NT	ND	NT	2.33	NT
Pavlicek	7/11/12	ND	NT	ND	NT	ND	NT	ND	NT	ND	NT
MTCA Regulatory Limit*		6		10		4		5		100	
EPA MCLs (ug/L)		6		10		4		5		100	

Notes:

ND = non-detect

NT = not taken

NV = no value

Diss. = dissolved

SMCL = Secondary Maximum Contaminant Level

MTCA Regulatory Limit\* = MTCA Method B

**Table 3-10 continued  
July 2012 Sampling Event  
(all concentrations in ug/L)**

Well	Sampling Date	Copper		Lead		Nickel		Tin		Zinc	
		Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.	Total	Diss.
HLMW-1A	7/11/12	85	3.3	11.8	ND	76.2	1.57	5.77	8.56	132	14.8
HLMW-2A	7/11/12	66.9	NT	3.79	NT	13.5	NT	4.3	NT	63	NT
HLMW-3A	7/11/12	20.8	1.33	2.45	ND	18.4	1.4	10.7	9.5	57.9	22.9
HLMW-4A	7/11/12	4.12/4.72	NT	ND/ND	NT	2.82/ 2.91	NT	11.5/ 2.48	NT	28.4/ 20.6	NT
HLMW-5B	7/12/12	7.63	NT	ND	NT	7.06	NT	13.8	NT	31.3	NT
HLMW-6B	7/13/12	15.5	NT	ND	NT	6.52	NT	4.42	NT	34.3	NT
Morgan	7/11/12	ND	NT	ND	NT	ND	NT	9.18	NT	22.4	NT
Spears	7/11/12	ND	NT	4.04	NT	0.812	NT	1.63	NT	22.0	NT
Pavlicek	7/11/12	7.03	NT	ND	NT	ND	NT	2.68	NT	18.6	NT
MTCA Regulatory Limit*		1,300		15		100		9,600		4,800	
EPA MCLs (ug/L)		1,300 (Action Level)		15 (Action Level)		100 (proposed)		4,200 (proposed)		5,000 (SMCL)	

Notes:

ND = non-detect

NT = not taken

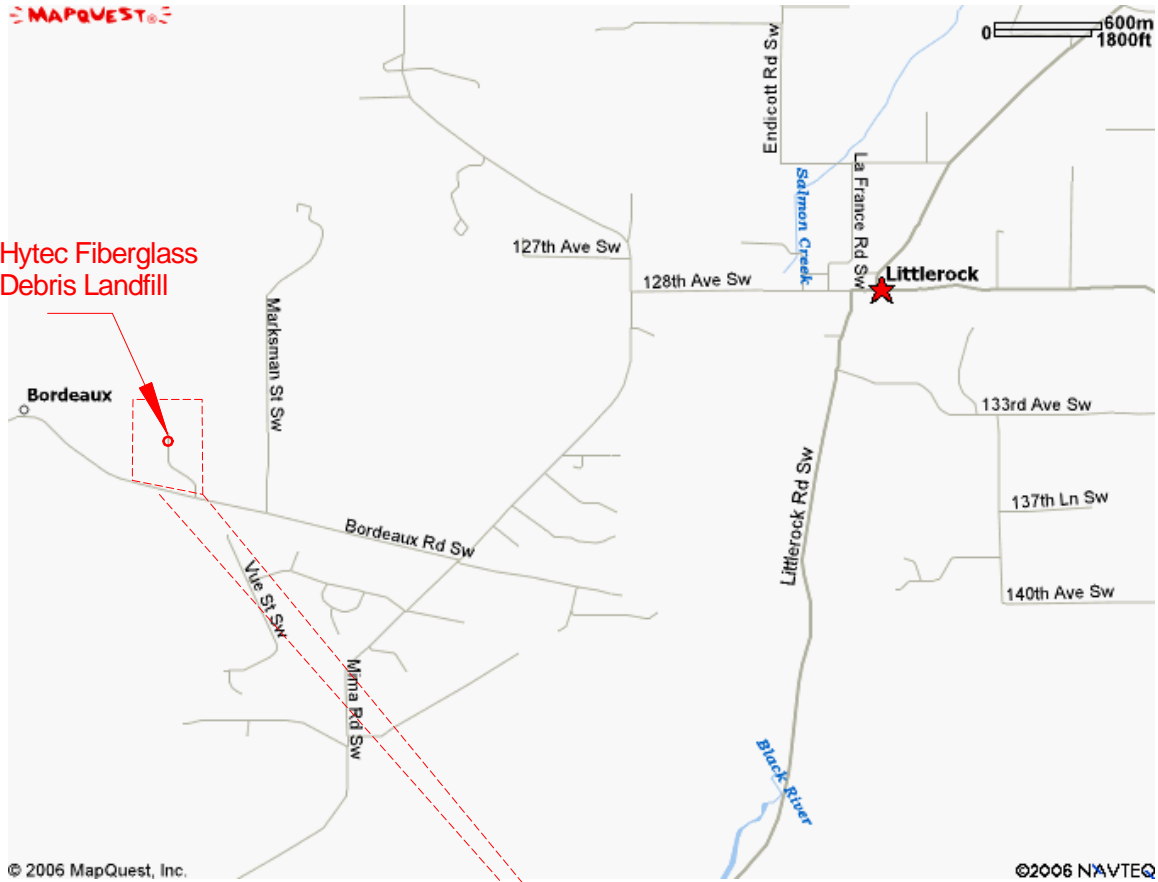
NV = no value

Diss. = dissolved

SMCL = Secondary Maximum Contaminant Level

MTCA Regulatory Limit\* = MTCA method B

## FIGURES



Scale varies



# CALIBRE

Calibre Systems  
16935 SE 39th St  
Bellevue, WA 98008

REVISION NO.: 0	DATE: 3/29/2012	ACAD FILE: Fig1_HLFD_Location_20120329.SKF
--------------------	--------------------	---

## Hytec Fiberglass Debris Landfill Site Location and Vicinity

DESIGNER: MM	LOCATION: Littlerock, WA	PROJECT NO.: K0308000
CHECKER: JD		FIGURE: 1

DNR CONC. MON  
FND. FEB. 1998

SECTION LINE

SPEARS

LUFKIN

Extent of excavation

MORGAN

Site boundary

LUFKIN

PAVLICEK

Parcel boundaries  
and owners

LUFKIN

PAVLICEK

HALO KUNTUX LANE S W

LUFKIN

NORTH-SOUTH CENTERLINE OF SECTION

BORDEAUX ROAD S W



Area Excavated and Sampled

0 100 200 300 400 500 FEET



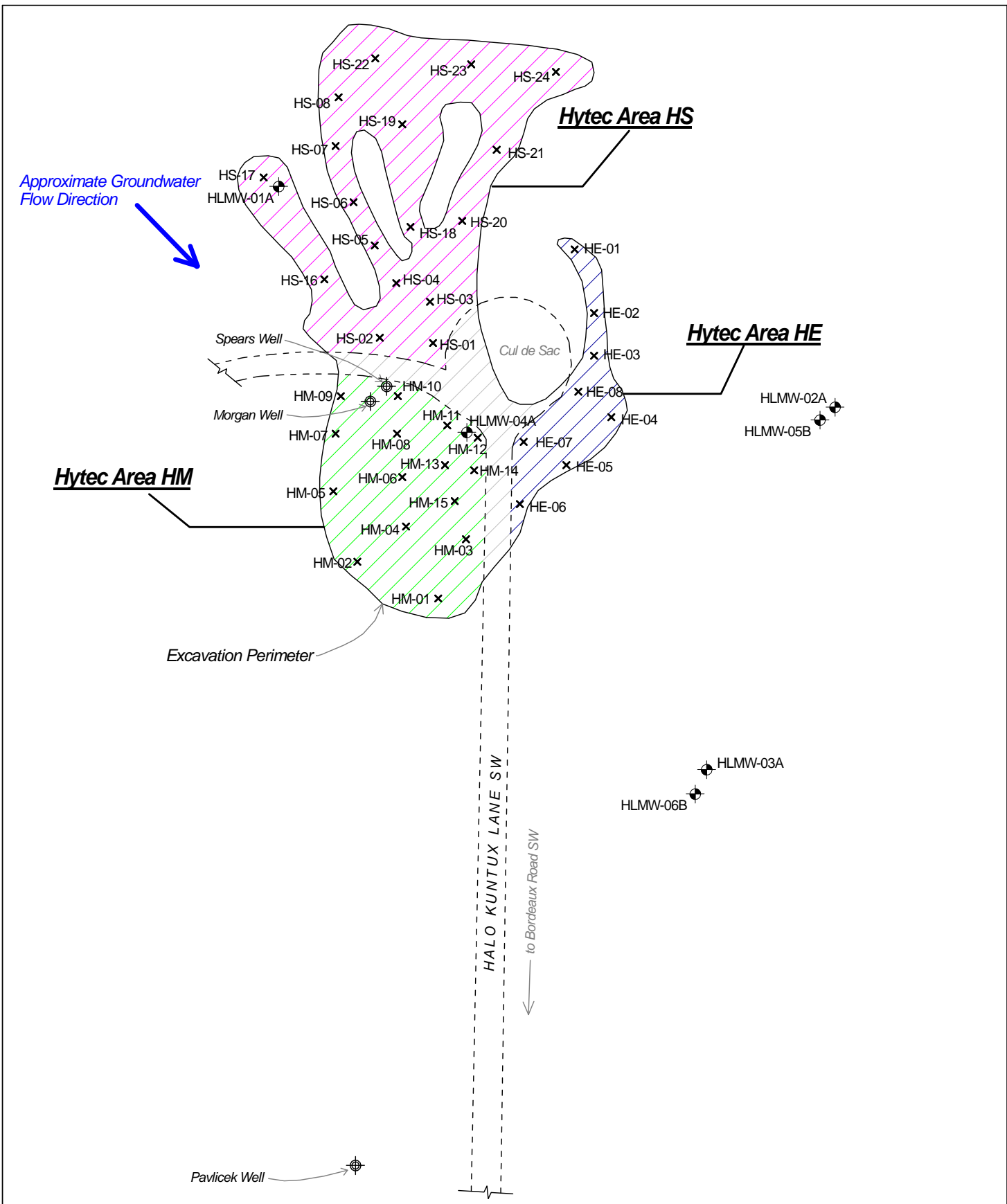
# CALIBRE

Calibre Systems  
16935 SE 39th St  
Bellevue, WA 98008

REVISION NO.: 0	DATE: 3/29/2012	ACAD FILE: Fig2_HLFD_Site_Parcels_20120329.SKF
--------------------	--------------------	---

Hytec Fiberglass Debris Landfill  
Site and Property Boundaries

DES'D: MM	LOCATION: Littlerock, WA	PROJECT NO.: K0308000
CHK'D: JD		FIGURE: 2



Sample Location (HE sampled 8/2/2011, HM sampled 8/15/2011-8/26/2011, HS sampled 8/18/2011-9/14/2011).

⊗ Groundwater Monitoring Well

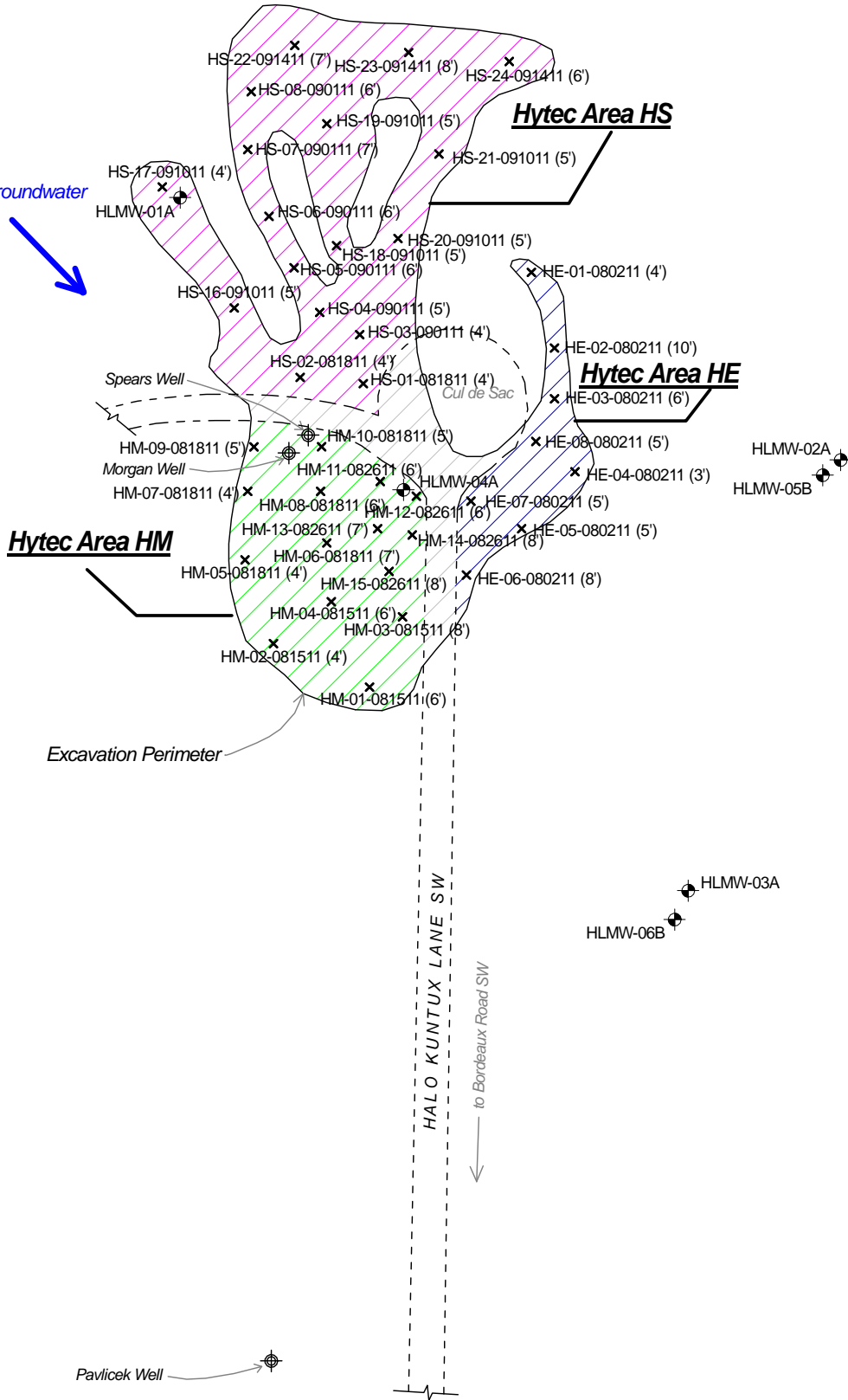
0 50 100 150 FEET

Pavicek Well

<b>CALIBRE</b>		Calibre Systems 16935 SE 39th St Bellevue, WA 98008	
		REVISION NO.: 0	DATE: 3/29/2012
<b>Hytec Fiberglass Debris Landfill Site          Confirmation Monitoring Sample Locations</b>			
DESD: MM	LOCATION: Littlerock, WA	PROJECT NO.: K0308000	
CHKD: JD		FIGURE: 3	



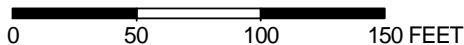
Approximate Groundwater Flow Direction



\*Each location was sampled and then labeled with the date the sample was collected (i.e. HE-01-080211 (4'), HE-01 was sampled on August 2, 2011 at an excavated depth of 4 feet.)

Sample Location (HE sampled 8/2/2011, HM sampled 8/15/2011-8/26/2011, HS sampled 8/18/2011-9/14/2011).

Groundwater Monitoring Well



**CALIBRE**

Calibre Systems  
16935 SE 39th St  
Bellevue, WA 98008

REVISION NO.: 0	DATE: 10/1/2012	ACAD FILE: Fig3_HLFD_Excavat_Sample_20120329.SKF
--------------------	--------------------	---

Hytec Fiberglass Debris Landfill Site  
Confirmational Monitoring Sample Locations/Depths

DES'D: MM	LOCATION: Littlerock, WA	PROJECT NO.: K0308000
CHK'D: JD		FIGURE: 4

**APPENDIX A**

**Load Sheets and Manifests**



The truck log sheets in Appendix A received from Weyerhaeuser include shipments from both CALIBRE and other trucks not associated with the Hytec project. The other truck shipments have been crossed out (by the Weyerhaeuser Landfill, in their records provided to CALIBRE) in order to present applicable shipments for this project.



Landfill  
3434 South Silver Lake Rd  
Castle Rock WA 98611  
Tel (360) 274 6492  
Fax (360) 274 6393

## LOAD SUMMARY

### CALIBRE - Thurston County Job Week of 8/8/2011 thru 8/12/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/8/2011	10:05A	Calibre	En-Co - Dustin - #23	110,720	37,700	73,020	95114016
8/8/2011	10:05A	Calibre	Barnes - Jamie - #9	101,140	41,200	59,940	95114015
8/8/2011	1:40P	Calibre	En-Co - Dustin - #23	101,340	37,700	63,640	95114032
8/8/2011	1:40P	Calibre	Barnes - Jamie - #9	116,700	41,000	75,700	95114031
8/9/2011	6:00A	Calibre	Barnes - Jamie - #9	107,680	41,000	66,680	95114050
8/9/2011	9:28A	Calibre	Jayne Barnes tru. - #9	101,080	41,000	60,080	95114062
8/9/2011	9:35A	Calibre	En-Co - Dustin - #23	106,100	37,700	68,400	95114063
8/9/2011	10:45A	Calibre	Adventure - Richard - #1	103,100	41,100	62,000	95114071
8/9/2011	12:48P	Calibre	Jayne Barnes tru. - #9	103,540	41,000	62,540	95114075
8/9/2011	1:00P	Calibre	En-Co - #23	105,680	37,700	67,980	95114076
8/9/2011	2:10P	Calibre	Adventure - Richard - #1	101,700	41,100	60,600	95114079
8/10/2011	6:00A	Calibre	En-Co - Dustin - #23	103,900	37,700	66,200	95114085
8/10/2011	6:00A	Calibre	Jayne Barnes tru. - #9	107,560	41,000	66,560	95114084
8/10/2011	8:55A	Calibre	En-Co - Dustin - #23	105,560	37,700	67,860	95114106
8/10/2011	9:00A	Calibre	Jamie Barnes - #9	103,460	41,000	62,460	95114107
8/10/2011	12:30P	Calibre	En-Co - Dustin - #23	106,680	37,700	68,980	95114119
8/10/2011	12:35P	Calibre	Jayne Barnes tru. - #9	113,760	41,000	72,760	95114120
8/11/2011	6:00A	Calibre	Jayne Barnes tru. - #9	108,280	41,000	67,280	95114149
8/11/2011	6:00A	Calibre	En-Co - Dustin - #23	101,180	37,700	63,480	95114135
8/11/2011	9:47A	Calibre	Jayne Barnes tru. - #9	107,420	41,000	66,420	95114158
8/11/2011	9:47A	Calibre	En-Co - Dustin - #23	106,060	37,700	68,360	95114161
8/11/2011	12:21P	Calibre	Jayne Barnes tru. - #9	108,600	41,000	67,600	95114174
8/11/2011	12:21P	Calibre	En-Co - Dustin - #23	103,940	37,700	66,240	95114175
8/12/2011	6:15A	Calibre	En-Co - Dustin - #23	102,240	37,700	64,540	95114190
8/12/2011	10:05A	Calibre	En-Co - Dustin - #23	106,080	37,700	68,380	95114202
8/12/2011	1:40P	Calibre	En-Co - Dustin - #23	104,800	37,700	67,100	951142210

<b>Total Load Count:</b>	<b>26</b>	<b>Total Net Weight (LBS):</b>	<b>1,724,800</b>
		<b>Total Net Weight (TONS):</b>	<b>862.4</b>



# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7236	<del>8/29</del>	<del>12:40</del>	<del>CDC</del>	<del>Jordan 70</del>	<del>91570 41660</del>	<del>✓</del>	<del>✓</del>
7237	<del>8/29</del>	<del>6:10</del>	<del>Rivergate</del>	<del>CRT Bev #3</del>	<del>86940 39600</del>	<del>33248</del>	<del>✓</del>
7238	<del>8/4</del>	<del>6:40</del>	<del>Rivergate</del>	<del>CRF Shunt 45</del>	<del>85640 41420</del>	<del>33299</del>	<del>✓</del>
7239	<del>8/5</del>	<del>7:10</del>	<del>?</del>	<del>N/O Load Lumber</del>	<del>880,000</del>	<del>?</del>	<del>?</del>
7240	<del>8/4</del>	<del>8:50</del>	<del>Port of Olympia</del>	<del>Shoreline #18-704</del>	<del>379000</del>	<del>103900</del>	<del>33390</del>
7241	<del>8/4</del>	<del>10:05A</del>	<del>Fibre</del>	<del>Waste Control 49/104</del>	<del>42540</del>	<del>104120</del>	<del>✓</del>
7242	<del>8/4</del>	<del>10:20</del>	<del>Rivergate</del>	<del>CRF Shunt 45</del>	<del>86820</del>	<del>41200</del>	<del>33321</del>
7243	<del>8/4</del>	<del>11:25</del>	<del>CDC</del>	<del>Jordan 70</del>	<del>87790</del>	<del>41960</del>	<del>✓</del>
7244	<del>8/5</del>	<del>8:05</del>	<del>CDC</del>	<del>Jordan 70</del>	<del>105500</del>	<del>42600</del>	<del>✓</del>
7245	<del>8-5-11</del>	<del>8:20</del>	<del>LV Fibre</del>	<del>Waste Control Tim 35</del>	<del>102120</del>	<del>36880</del>	<del>✓</del>
7246	<del>8/5/11</del>	<del>10:15</del>	<del>Rivergate</del>	<del>City Bank 44</del>	<del>92600</del>	<del>45300</del>	<del>33365</del>
7248	<del>8-5-11</del>	<del>10:37</del>	<del>LV Fibre</del>	<del>Waste Control Tim 35</del>	<del>105540</del>	<del>36860</del>	<del>✓</del>
7249	<del>8-5-11</del>	<del>1:06</del>	<del>LV Fibre</del>	<del>Waste Control Tim 35</del>	<del>98020</del>	<del>36860</del>	<del>✓</del>
7250	<del>8-5-11</del>	<del>1:10</del>	<del>Rivergate</del>	<del>CRF Bob 42</del>	<del>87420</del>	<del>42940</del>	<del>33381</del>
7251	<del>8/5/11</del>	<del>1:25</del>	<del>CR</del>	<del>Jordan 70</del>	<del>89900</del>	<del>44840</del>	<del>✓</del>
7252	<del>8/5/11</del>	<del>8:52</del>	<del>CR</del>	<del>Jordan 70</del>	<del>74400</del>	<del>39140</del>	<del>✓</del>
7253	<del>8/6/11</del>	<del>9:11</del>	<del>Rivergate</del>	<del>CRF Jeff D 115</del>	<del>88060</del>	<del>41420</del>	<del>33384</del>
7254	<del>8/8/11</del>	<del>10:05</del>	<del>Calibur</del>	<del>En-CO Dash #23</del>	<del>110720</del>	<del>37700</del>	<del>4016</del>
7255	<del>8/8/11</del>	<del>1:05</del>	<del>Calibur</del>	<del>Burner Daim #9</del>	<del>10140</del>	<del>41200</del>	<del>4015</del>
7256	<del>8/8/11</del>	<del>12:50</del>	<del>CR</del>	<del>Jordan 70</del>	<del>93570</del>	<del>44840</del>	<del>✓</del>
7257	<del>8/8/11</del>	<del>14:0</del>	<del>Calibur</del>	<del>En-CO Dash #23</del>	<del>101340</del>	<del>37700</del>	<del>4032</del>
7258	<del>8/8/11</del>	<del>14:0</del>	<del>Calibur</del>	<del>Shane Spive #9</del>	<del>116700</del>	<del>41000</del>	<del>4031</del>

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCF EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

CH#	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7259	<del>8-9</del>	<del>7:10</del>	<del>CDL</del>	<del>JAMES STONE 203</del>	<del>103910 / 41300</del>	<del>✓</del>	
7260	<del>8-9</del>	<del>6:00</del>	<del>CSL RYDER</del>	<del>Foreman 041</del>	<del>99320 / 40150</del>	<del>✓</del>	
7261	<del>8-9</del>	<del>6:00</del>	<del>Ford/Culbar</del>	<del>Jayne Jones 9</del>	<del>107640 / 41000</del>	<del>4050</del>	
7262	<del>8-9</del>	<del>6:50</del>	<del>LV Fibre</del>	<del>WHSR Comput Tim 35</del>	<del>97000</del>	<del>36900</del>	<del>✓</del>
7263	<del>8-9-11</del>	<del>9:28</del>	<del>adv/culbar</del>	<del>Jayne Jones Tim 9</del>	<del>101080</del>	<del>41000</del>	<del>4082</del>
7264	<del>8-9-11</del>	<del>9:35</del>	<del>En-co Calibre</del>	<del>En-co Dustin 23</del>	<del>160100</del>	<del>37700</del>	<del>4003</del>
7265	<del>8/9/11</del>	<del>10:45</del>	<del>Adventure/Calibre</del>	<del>Adventure #1 Richard</del>	<del>103100</del>	<del>41100</del>	<del>4071</del>
7266	<del>8/9/11</del>	<del>10:50</del>	<del>En-co</del>	<del>Jayne Jones 9</del>	<del>09920</del>	<del>41000</del>	<del>✓</del>
7267	<del>8/9/11</del>	<del>11:11</del>	<del>LV Fibre</del>	<del>WHSR Comput Tim 35</del>	<del>100280</del>	<del>36900</del>	<del>✓</del>
7268	<del>8-9-11</del>	<del>12:48</del>	<del>enw/culbar</del>	<del>Jayne Jones Tim 9</del>	<del>105540</del>	<del>41000</del>	<del>4075</del>
7269	<del>8-9-11</del>	<del>1:00</del>	<del>En-co Calibre</del>	<del>En-co 23</del>	<del>105680</del>	<del>37700</del>	<del>4076</del>
7270	<del>8-9-11</del>	<del>1:15</del>	<del>Adventure</del>	<del>En-co Brown 44</del>	<del>99580</del>	<del>40900</del>	<del>38406</del>
7271	<del>8-9-11</del>	<del>2:10</del>	<del>Calibre</del>	<del>Adventure #1 Richard</del>	<del>101700</del>	<del>41100</del>	<del>4079</del>
7272	<del>8-9-11</del>	<del>2:20</del>	<del>CDL</del>	<del>WHSR Steve 203</del>	<del>087900</del>	<del>41500</del>	<del>✓</del>
7273	<del>8-10-11</del>	<del>6:00</del>	<del>Calibre</del>	<del>En-co 23 Dustin</del>	<del>103900</del>	<del>37700</del>	<del>4085</del>
7274	<del>8-10-11</del>	<del>6:00</del>	<del>Calibre</del>	<del>Jayne Jones 9</del>	<del>107560</del>	<del>41000</del>	<del>4084</del>
7275	<del>8-10-11</del>	<del>6:00</del>	<del>Adventure</del>	<del>En-co 23</del>	<del>087900</del>	<del>41500</del>	<del>33180</del>
7276	<del>8-10-11</del>	<del>6:30</del>	<del>Adventure</del>	<del>En-co Brown 44</del>	<del>94080</del>	<del>45280</del>	<del>38479</del>
7277	<del>8-10-11</del>	<del>7:10</del>	<del>LV Fibre</del>	<del>WHSR Comput Tim 35</del>	<del>98180</del>	<del>36900</del>	<del>✓</del>
7278	<del>8-10-11</del>	<del>7:50</del>	<del>En-co</del>	<del>Jayne Jones 9</del>	<del>95110</del>	<del>41900</del>	<del>✓</del>
7279	<del>8-10-11</del>	<del>8:55</del>	<del>Calibre</del>	<del>En-co 23 Dustin</del>	<del>105560</del>	<del>37700</del>	<del>4106</del>
7280	<del>8-10-11</del>	<del>9:00</del>	<del>Calibre</del>	<del>Jayne Jones 9</del>	<del>103460</del>	<del>41000</del>	<del>4107</del>
7281	<del>8-10-11</del>	<del>9:11</del>	<del>Adventure</del>	<del>WHSR Comput Tim 35</del>	<del>101100</del>	<del>36900</del>	<del>4111</del>

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCR EQUIPMENT HAVE THE

RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7282	8-10-11	12:30	Calibre	En-Co #23 Dushin	106600 37700	4119	
7283	8-10-11	12:35	Calibre	Jayne Burners	113760 41000	4120	
7284	8-10-11	12:45	CDI Respect	Jordan	94440 41981	✓	
7285	<del>8-10-11</del>	<del>1:10</del>	<del>Bradley</del>	<del>Monaco's Construction</del>	<del>98660 38640</del>	<del>4125</del>	
7286	8-11-11	6:06	Calibre	Jayne Burners	108280 41000	4149	
7287	8-11-11	6:00	Calibre	Arce Dushin	101120 37700	4135	
7288	8-11-11	6:15	Rivergate	ERT	86040	33531	
7289	8-11-11	6:15	Rivergate	ERT	95860	33540	
7290	8-11-11	6:30	Rivergate	ERT	87000	33547	
7291	8-11-11	7:30	CDI	Jordan	92430	49890	✓
7292	8-11-11	8:40	LV Fibre	WASTE control	99860	36900	✓
7293	8-11-11	9:47	Calibre	Jayne Burners	107420	41000	4158
7294	8-11-11	9:47	Calibre	En-Co 23 Dushin	106060	37700	4161
7295	8-11-11	10:35	CDI RECYCLE	Jordan	94520	40150	✓
7296	8-11-11	10:37	Rivergate	ERT	85740	40700	33570
7297	8-11-11	12:1	Calibre	Jayne Burners	108600	41000	4174
7298	8-11-11	12:1	Calibre	ERT/Dushin	103940	37700	4175
7299	8-11-11	9:11	CDI	Jordan	701700	44460	✓
7300	8-12-11	6:15	Calibre	En-Co #23 Dushin	102240	37700	4190
7301	8-12-11	8:34	LV Fibre	WASTE control	100600	36920	✓
7302	8-12-11	10:05	Calibre	En-Co #23 Dushin	100080	37700	4202
7303	8-12-11	10:58	LV Fibre	WASTE control	100920	36920	✓
7304	8-12-11	11:20	Rivergate	ERT	85440	40200	33613

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)	
7305	<del>8/12</del>	<del>11:50</del>	<del>CJL</del>	<del>Jorek</del>	<del>70</del>	<del>700070</del>	<del>42660</del>	
7306	8-12-11	140	Calbra	EA-CO #23 Dshn	104800	37700	4210	
7307	8/15/11	6:15	Rivergate	ERT #Jorek	48	88080	110780	33649
7308	8/15/11	7:00	Rivergate	ERT Share	45	88160	41500	33656
7309	8-15-11	7:51	Calbra	Joseph Brown	9	113160	41000	42644
7310	8-15-11	9:52	Calbra	TRUCK OPERATOR	5	109130	37000	4257
7311								
7312								
7313								
7314								
7315								
7316								
7317								
7318								
7319								
7320								
7321								
7322								
7323								
7324								
7325								
7326								
7327								

**PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY**  
**\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\***



Landfill  
3434 South Silver Lake Rd  
Castle Rock WA 98611  
Tel (360) 274 6492  
Fax (360) 274 6393

## LOAD SUMMARY

### CALIBRE - Thurston County Job Week of 8/15/2011 thru 8/19/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/15/2011	7:51A	Calibre	Jayne Barnes tru. - #9	113,160	41,000	72,160	95114254
8/15/2011	7:52A	Calibre	Nick Obrien Trucking - #5	109,480	39,600	69,880	95114256
8/15/2011	8:30A	Calibre	Enco - Brandon - #23	107,240	37,500	69,740	95114258
8/15/2011	11:42A	Calibre	Jayne Barnes tru. - #9	113,140	41,000	72,140	95114264
8/15/2011	11:45A	Calibre	Nick Obrien Trucking - #5	115,600	39,600	76,000	95114265
8/15/2011	11:45A	Calibre	Enco - Brandon - #23	109,700	37,500	72,200	95114267
8/15/2011	2:30P	Calibre	Jayne Barnes tru. - #9	109,220	41,000	68,220	95114282
8/15/2011	3:18P	Calibre	Nick Obrien Trucking - #5	104,000	39,600	64,400	95114284
8/15/2011	3:20P	Calibre	Enco - Brandon - #23	103,740	37,500	66,240	95114286
8/16/2011	5:50A	Calibre	Enco - Brandon - #23	98,780	37,500	61,280	95114297
8/16/2011	7:45A	Calibre	Jayne Barnes tru. - #9	98,900	41,000	57,900	95114308
8/16/2011	9:00A	Calibre	Enco - Brandon - #23	110,860	37,500	73,360	95114309
8/16/2011	11:15A	Calibre	Jayne Barnes tru. - #9	96,480	41,000	55,480	95114316
8/16/2011	12:50P	Calibre	Enco - Brandon - #23	98,820	37,500	61,320	95114323
8/16/2011	2:41P	Calibre	Jayne Barnes tru. - #9	95,700	41,000	54,700	95114332
8/17/2011	6:25A	Calibre	Enco - Brandon - #23	97,020	37,500	59,520	95114336
8/17/2011	8:19A	Calibre	Jayne Barnes tru. - #9	98,680	41,000	57,680	95114351
8/17/2011	11:05A	Calibre	Enco - Brandon - #23	102,600	37,500	65,100	95114365
8/17/2011	11:35A	Calibre	Jayne Barnes tru. - #9	96,440	41,000	55,440	95114369
8/17/2011	2:25P	Calibre	Enco - Brandon - #23	109,300	37,500	71,800	95114384
8/17/2011	2:50P	Calibre	Jayne Barnes tru. - #9	111,400	41,000	70,400	95114387
8/18/2011	6:05A	Calibre	Enco - Brandon - #23	104,780	37,500	67,280	95114397
8/18/2011	7:55A	Calibre	Obrien - Nick - #6	109,140	39,680	69,460	95114416
8/18/2011	7:55A	Calibre	Jayne Barnes tru. - #9	120,600	41,000	79,600	95114415
8/18/2011	9:25A	Calibre	Enco - Brandon - #23	113,260	37,500	75,760	95114419
8/18/2011	11:34A	Calibre	Jayne Barnes tru. - #9	107,560	41,000	66,560	95114427
8/18/2011	11:35A	Calibre	Obrien - Nick - #6	103,260	39,680	63,580	95114428
8/18/2011	12:45P	Calibre	Enco - Brandon - #23	106,500	37,500	69,000	95114436
8/18/2011	3:05P	Calibre	Jayne Barnes tru. - #9	111,480	41,000	70,480	95114449
8/18/2011	3:25P	Calibre	Nick Obrien Trucking - #6	105,140	39,680	65,460	95114451
8/19/2011	6:03A	Calibre	Enco - Brandon - #23	104,200	37,500	66,700	95114452
8/19/2011	6:05A	Calibre	Jayne Barnes tru. - #9	113,020	41,000	72,020	95114469
8/19/2011	6:06A	Calibre	Obrien - Nick - #6	107,320	39,680	67,640	95114470
8/19/2011	9:20A	Calibre	Enco - Brandon - #23	107,980	37,500	70,480	95114476
8/19/2011	9:43A	Calibre	Jayne Barnes tru. - #9	102,040	41,000	61,040	95114480



DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/19/2011	9:45A	Calibre	O'Brien Trucking - #6	103,820	39,680	64,140	95114479
8/19/2011	12:40P	Calibre	Enco - Brandon - #23	116,140	37,500	78,640	95114492
8/19/2011	1:15P	Calibre	Jayne Barnes tru. - #9	114,640	41,000	73,640	95114495

<b>Total Load Count:</b>	<b>38</b>	<b>Total Net Weight (LBS):</b>	<b>2,556,440</b>
		<b>Total Net Weight (TONS):</b>	<b>1,278.2</b>



# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7305	<del>8-12-11</del>	11:50	<del>CALIBRE</del>	<del>Jordan 70</del>	<del>100090</del>	<del>42660</del>	✓
7306	<del>8-12-11</del>	<del>1:00</del>	<del>CALIBRE</del>	<del>Eric Carter 23</del>	<del>10800</del>	<del>3770</del>	<del>4260</del>
7307	8-15-11	6:15	Rivergate	CRT Shaw 42	88080	40780	33649
7308	8-15-11	7:00	Rivergate	CRT Shaw 45	88160	41500	32856
7309	8-15-11	7:51	Caliber	Jayne Breen 9	113160	41000	42514
7310	8-15-11	7:52	Caliber	Nick Oberon 5	109480	39600	4254
7311	8-15-11	8:30	CALIBRE	Eric 23 Brandon	107240	37500	4258
7312	<del>8-15-11</del>	<del>9:05</del>	<del>CALIBRE</del>	<del>Jordan 70</del>	<del>92300</del>	<del>42660</del>	<del>✓</del>
7313	8-15-11	11:42	Caliber	Jayne Breen 9	113140	41000	4264
7314	8-15-11	11:45	CALIBRE	Nick Oberon 5	115200	39600	4265
7315	8-15-11	11:45	CALIBRE	Brandon Eric 23	109700	37500	4267
7316	<del>8-15-11</del>	<del>1:10</del>	<del>RIVERGATE</del>	<del>Eric 43</del>	<del>87200</del>	<del>41400</del>	<del>33880</del>
7317	<del>8-15-11</del>	<del>1:25</del>	<del>Rivergate</del>	<del>Eric Shaw 44</del>	<del>94800</del>	<del>45340</del>	<del>35679</del>
7318	8-15-11	2:50	Caliber	Jayne Breen 9	109220	41000	4282
7319	8-15-11	3:18	Caliber	Nick Oberon 5	104000	39600	4284
7320	8-15-11	3:20	CALIBRE	Brandon Eric 23	103740	37500	4286
7321	8-16-11	5:50	CALIBRE	Brandon Eric 23	98280	39500	4297
7322	<del>8-16-11</del>	<del>6:10</del>	<del>Rivergate</del>	<del>Eric Shaw 44</del>	<del>95200</del>	<del>45600</del>	<del>33706</del>
7323	<del>8-16-11</del>	<del>6:15</del>	<del>Rivergate</del>	<del>Eric Shaw 43</del>	<del>87500</del>	<del>41620</del>	<del>33705</del>
7324	8-16-11	7:45	Caliber	Jayne Breen 9	98900	41600	4308
7325	8-16-11	9:00	CALIBRE	Brandon Eric 23	110860	37500	4309
7326	8-16-11	11:15	Caliber	Jayne Breen 9	96480	41000	4316
7327	8-16-11	12:50	CALIBRE	Brandon Eric 23	98820	37500	4323

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE

RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7328	8-16-11	241	Caliban	Jayme Rivers 9	95700	41000	4332
7329	<del>8/17/11</del>	<del>6:20</del>	<del>Rivergate</del>	<del>ERT Stone 411</del>	<del>95000</del>	<del>48400</del>	<del>38927</del>
7330	<del>8/17/11</del>	<del>8:25</del>	<del>Rivergate</del>	<del>CTI Shan 75</del>	<del>82840</del>	<del>40900</del>	<del>33799</del>
7331	8-17-11	6:25	Caliban	BANDON ERUO 23	97020	37500	4336
7332	<del>8/17/11</del>	<del>6:35</del>	<del>Rivergate</del>	<del>CTI Pan 42</del>	<del>87800</del>	<del>40500</del>	<del>3274</del>
7333	<del>8/17/11</del>	<del>8:02</del>	<del>Caliban</del>	<del>Jordan 70</del>	<del>93720</del>	<del>42600</del>	<del>✓</del>
7334	8/17/11	8:14	Caliban	Jayme Rivers 9	96680	41000	4351
7335	<del>8/17/11</del>	<del>9:15</del>	<del>DRB East Bay Plaza</del>	<del>ORP A1 Pals 708</del>	<del>99020</del>	<del>38120</del>	<del>9514354</del>
7336	<del>8/17/11</del>	<del>9:20</del>	<del>DRB East Bay Plaza</del>	<del>ORP FRI White 701</del>	<del>94400</del>	<del>37800</del>	<del>9514357</del>
7337	<del>8/17/11</del>	<del>10:00</del>	<del>DRB East Bay Plaza</del>	<del>ORP DANCE 705</del>	<del>105200</del>	<del>38200</del>	<del>9514359</del>
7338	<del>8/17/11</del>	<del>10:20</del>	<del>DRB East Bay Plaza</del>	<del>ORP Sheene 704</del>	<del>94200</del>	<del>37820</del>	<del>9514358</del>
7339	8/17/11	11:05	Caliban	BANDON ERUO 23	102600	37500	4365
7340	8/17/11	11:35	Caliban	Jayme Rivers 9	96440	41000	4369
7341	<del>8/17/11</del>	<del>11:55</del>	<del>Rivergate</del>	<del>ORP Stone 44</del>	<del>96160</del>	<del>40580</del>	<del>33726</del>
7342	8-17-11	12:50	Caliban	Jordan 841	97,220	43500	✓
7343	<del>8/17/11</del>	<del>1:49</del>	<del>DRB East Bay Plaza</del>	<del>ORP A1 708</del>	<del>109080</del>	<del>38160</del>	<del>9514377</del>
7344	<del>8/17/11</del>	<del>1:55</del>	<del>DRB East Bay Plaza</del>	<del>ORP TRU 702</del>	<del>105720</del>	<del>39100</del>	<del>9514381</del>
7345	<del>8-17-11</del>	<del>8:10</del>	<del>DRB East Bay Plaza</del>	<del>ORP Stone 703</del>	<del>105440</del>	<del>38000</del>	<del>15114380</del>
7346	8-17-11	2:25	Caliban	BANDON ERUO 23	109300	37500	4384
7347	8/17/11	2:50	Caliban	Jayme Rivers 9	111400	41000	4387
7348	<del>8/17/11</del>	<del>2:55</del>	<del>Caliban</del>	<del>Jordan 70</del>	<del>99400</del>	<del>479800</del>	<del>✓</del>
7349	<del>8/18-11</del>	<del>6:00</del>	<del>Caliban</del>	<del>Jordan 891</del>	<del>92180</del>	<del>40150</del>	<del>✓</del>
7350	8-18-11	6:05	Caliban	BANDON ERUO 23	104780	37500	4391

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE

RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7351	<del>8/18/11</del>	<del>6:20</del>	<del>River Gate</del>	<del>CRT Shore 45</del>	<del>95940 45100</del>	<del>33810</del>	
7352	<del>8/18/11</del>	<del>6:25</del>	<del>Rivergate</del>	<del>CRT Shore 44</del>	<del>95600 43840</del>	<del>33803</del>	
7353	<del>8/18/11</del>	<del>6:35</del>	<del>Rivergate</del>	<del>CRT Dura 47</del>	<del>85600 40800</del>	<del>33809</del>	
7354	<del>8/18/11</del>	<del>7:45</del>	<del>DEB East Bay Plaza</del>	<del>CRP B1 708</del>	<del>109800 36300</del>	<del>954443</del>	
7355	<del>8/18/11</del>	<del>7:45</del>	<del>DEB East Bay Plaza</del>	<del>CRP Shoreline 701</del>	<del>70500 37800</del>	<del>954444</del>	
7356	<del>8/18/11</del>	<del>7:55</del>	<del>Caliber</del>	<del>ORAN NOK 6</del>	<del>169140 39680</del>	<del>4416</del>	
7357	<del>8/18/11</del>	<del>7:55</del>	<del>Caliber</del>	<del>Jayne Bore 9</del>	<del>120600 41000</del>	<del>4415</del>	
7358	<del>8/18/11</del>	<del>8:15</del>	<del>Caliber</del>	<del>Jayne Bore 70</del>	<del>91070 42000</del>	<del>4415</del>	
7359	<del>8/18/11</del>	<del>9:02</del>	<del>DEB East Bay Plaza</del>	<del>CRP B11 701</del>	<del>101980 34180</del>	<del>36728</del>	
7360	<del>8-18-11</del>	<del>9:25</del>	<del>Caliber</del>	<del>BANDON EUCO 23</del>	<del>113260 37500</del>	<del>4419</del>	
7361	<del>8-18-11</del>	<del>9:40</del>	<del>Caliber Seas</del>	<del>GRP DANCE 703</del>	<del>94240 38180</del>	<del>30735</del>	
7362	<del>8-18-11</del>	<del>10:00</del>	<del>Schmitzer</del>	<del>WILLKINS 102</del>	<del>105320 40240</del>	<del>4419</del>	
7363	<del>8/18/11</del>	<del>10:30</del>	<del>Rivergate</del>	<del>CRT Shore 44</del>	<del>96240 45560</del>	<del>33818</del>	
7364	<del>8/18/11</del>	<del>11:34</del>	<del>Caliber</del>	<del>Jayne Bore 9</del>	<del>107560 41000</del>	<del>4427</del>	
7365	<del>8-18-11</del>	<del>1:35</del>	<del>Caliber</del>	<del>Debra 6</del>	<del>103260 39680</del>	<del>4428</del>	
7366	<del>8/18-11</del>	<del>1:35</del>	<del>DEB East Bay Plaza</del>	<del>CRP Shoreline 704</del>	<del>167940 37400</del>	<del>4511443</del>	
7367	<del>8/18/11</del>	<del>1:30</del>	<del>DEB East Bay Plaza</del>	<del>CRP A1 708</del>	<del>109020 38600</del>	<del>954443</del>	
7368	<del>8-18-11</del>	<del>12:45</del>	<del>Caliber</del>	<del>BANDON EUCO 23</del>	<del>106500 37500</del>	<del>4436</del>	
7369	<del>8-18-11</del>	<del>1:10</del>	<del>DEB East Bay Plaza</del>	<del>CRP Will 701</del>	<del>106240 38180</del>	<del>954443</del>	
7370	<del>8-18-11</del>	<del>1:05</del>	<del>DEB East Bay Plaza</del>	<del>CRP DANCE 705</del>	<del>83900 38400</del>	<del>954443</del>	
7371	<del>8/18/11</del>	<del>1:50</del>	<del>CDL</del>	<del>Jayne 70</del>	<del>90440 49890</del>	<del>4415</del>	
7372	<del>8-18-11</del>	<del>2:40</del>	<del>Caliber</del>	<del>WILLKINS 102</del>	<del>103340 40000</del>	<del>4415</del>	
7373	<del>8-18-11</del>	<del>3:05</del>	<del>Caliber</del>	<del>Jayne Bore 9</del>	<del>111480 41000</del>	<del>4449</del>	
7374	<del>8-18-11</del>	<del>3:25</del>	<del>Caliber</del>	<del>Dura Opal 6</del>	<del>105440 39680</del>	<del>4451</del>	

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCR EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

CR#	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
<del>7384</del>	<del>8-19</del>	<del>6:01</del>	<del>RR RECYCLE</del>	<del>JOHNSON</del>	<del>94,520</del>	<del>40,150</del>	<del>✓</del>
7375	8-19	6:03	California	BANDON EUCO 23	104200	37500	4452
7376	8-19	6:05	California	JAYNE BEAM 9	113020	41000	4464
7377	8-19	6:06	California	CHAIKEN 6	107320	39610	4470
<del>7378</del>	<del>8/19/11</del>	<del>6:30</del>	<del>Rivergate</del>	<del>CPT</del>	<del>96430</del>	<del>45280</del>	<del>38842</del>
<del>7379</del>	<del>8/19/11</del>	<del>6:44</del>	<del>Rivergate</del>	<del>CR</del>	<del>58340</del>	<del>40720</del>	<del>33843</del>
7380	8/19/11	7:40	DLB East Bay Plaza	ORP HI 705	103100	32260	95114433
7381	8/19/11	7:40	DLB East Bay Plaza	ORP SHERMAN 704	105040	37060	95114474
7382	8/19/11	8:20	Schultz's	WILKINS, Stuart 08-103	104220	40440	✓
7383	8/19/11	8:30	CDL	JORDAN 70	91890	49890	
<del>7384</del>	<del>8/19/11</del>	<del>8:50</del>	<del>DLB East Bay Plaza</del>	<del>ORP BILL</del>	<del>97540</del>	<del>35750</del>	<del>95114475</del>
7386	8-19-11	9:20	California	BANDON EUCO 23	107380	37500	4476
7387	8-19-11	9:30	DLB East Bay Plaza	ORP DIANE 703	101780	38160	30026
7388	8-19-11	9:30	DLB East Bay Plaza	MURPHY, JERRY 11	101300	41040	480445
7389	8-19-11	9:43	California	JAYNE BEAM 9	102040	41000	4480
7390	8-19-11	9:45	California	ORP TREVINO 6	103820	39680	4479
7391	8/19/11	10:30	Rivergate	ORP SHANE 44	90500	45580	339600
7392	8/19/11	11:55	DLB East Bay Plaza	ORP AL 708	109000	32660	112046
7393	8/19/11	12:02	DLB East Bay Plaza	ORP SHERMAN 704	704730	57900	449064
7394	8/19/11	12:18	Schultz's	WILKINS, Stuart 08-103	105060	40720	✓
7395	8-19-11	12:40	California	BANDON EUCO 23	116140	37500	4492
7396	8-19-11	1:14	DLB East Bay Plaza	ORP ZACH 701	162220	39000	490418

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7397	8-19-11	115	Caribee	Joyne Baens 9	114640	41000	4495
<del>7398</del>	<del>8-19-11</del>	<del>1:49</del>	<del>East Bay Plaza</del>	<del>Mumma</del>	<del>107300</del>	<del>41190</del>	<del>46471</del>
<del>7300</del>	<del>8-19-11</del>	<del>2:15</del>	<del>East Bay Plaza</del>	<del>Diery</del>	<del>36040</del>	<del>41000</del>	<del>46472</del>



Landfill  
3434 South Silver Lake Rd  
Castle Rock WA 98611  
Tel (360) 274 6492  
Fax (360) 274 6393

## LOAD SUMMARY

### CALIBRE - Thurston County Job Week of 8/22/2011 thru 8/26/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/22/2011	8:55A	Calibre	Jayne Barnes tru. - #9	116,160	41,000	75,160	95114526
8/22/2011	8:06A	Calibre	Adventure - Biggie - #1	105,780	41,100	64,680	95114527
8/22/2011	8:15A	Calibre	Enco - Brandon - #23	115,020	37,500	77,520	95114528
8/22/2011	11:15A	Calibre	Jayne Barnes tru. - #9	103,400	41,000	62,400	95114535
8/22/2011	11:23A	Calibre	Adventure - Biggie - #1	103,980	41,100	62,880	95114537
8/22/2011	11:45A	Calibre	Enco - Brandon - #23	108,680	37,500	71,180	95114538
8/22/2011	2:41P	Calibre	Jayne Barnes tru. - #9	106,300	41,000	65,300	95114554
8/22/2011	2:51P	Calibre	Adventure - Biggie - #1	105,320	41,100	64,220	95114557
8/22/2011	3:00P	Calibre	Enco - Brandon - #23	109,500	37,500	72,000	95114558
8/23/2011	6:15A	Calibre	Enco - Brandon - #23	102,620	37,500	65,120	95114576
8/23/2011	7:42A	Calibre	Jayne Barnes tru. - #9	102,180	41,000	61,180	95114586
8/23/2011	7:56A	Calibre	Adventure - Biggie - #1	103,040	41,100	61,940	95114587
8/23/2011	10:00A	Calibre	Enco - Brandon - #23	114,020	37,500	76,520	95114592
8/23/2011	10:00A	Calibre	Newsom - Doug - #13	107,180	38,600	68,580	95114589
8/23/2011	11:05A	Calibre	Jayne Barnes tru. - #9	100,760	41,000	59,760	95114596
8/23/2011	11:15A	Calibre	Adventure - Biggie - #1	105,780	41,100	64,680	95114598
8/23/2011	1:35P	Calibre	Enco - Brandon - #23	105,560	37,500	68,060	95114611
8/23/2011	2:05P	Calibre	Newsom - Doug - #13	100,400	38,500	61,900	95114614
8/23/2011	2:21P	Calibre	Jayne Barnes tru. - #9	106,820	41,000	65,820	95114615
8/23/2011	3:20P	Calibre	Adventure - Biggie - #1	106,420	41,100	65,320	95114618
8/24/2011	6:00A	Calibre	Enco - Brandon - #23	97,320	37,500	59,820	95114625
8/24/2011	6:00A	Calibre	Newsom - Doug - #13	103,680	38,500	65,180	95114630
8/24/2011	8:00A	Calibre	Adventure - Biggie - #1	107,400	41,100	66,300	95114637
8/24/2011	8:10A	Calibre	Jayne Barnes tru. - #9	104,440	41,000	63,440	95114638
8/24/2011	8:38A	Calibre	Enco - Brandon - #23	106,600	37,500	69,100	95114640
8/24/2011	9:25A	Calibre	Newsom - Doug - #13	100,240	38,500	61,740	95114643
8/24/2011	11:15A	Calibre	Adventure - Biggie - #1	103,680	41,100	62,580	95114646
8/24/2011	11:22A	Calibre	Jayne Barnes tru. - #9	102,800	41,000	61,800	95114647
8/24/2011	11:50A	Calibre	Enco - Brandon - #23	109,540	37,500	72,040	95114650
8/24/2011	12:50A	Calibre	Newsom - Doug - #13	105,620	38,500	67,120	95114654
8/24/2011	2:50P	Calibre	Adventure - Biggie - #1	105,420	41,100	64,320	95114662
8/24/2011	2:57P	Calibre	Jayne Barnes tru. - #9	107,920	41,000	66,920	95114663
8/24/2011	3:10P	Calibre	Enco - Brandon - #23	107,260	37,500	69,760	95114664
8/25/2011	6:10A	Calibre	Enco - Brandon - #23	110,600	37,500	73,100	95114672
8/25/2011	6:35A	Calibre	Newsom - Doug - #13	103,240	38,500	64,740	95114667

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/25/2011	7:50A	Calibre	Adventure - Biggie - #1	105,580	41,100	64,480	95114681
8/25/2011	9:55A	Calibre	Enco - Brandon - #23	106,560	37,500	69,060	95114689
8/25/2011	10:30A	Calibre	Newsom - Doug - #13	105,640	38,500	67,140	95114693
8/25/2011	11:25A	Calibre	Adventure - Biggie - #1	106,000	41,100	64,900	95114701
8/25/2011	1:20P	Calibre	Enco - Brandon - #23	111,780	37,500	74,280	95114709

<b>Total Load Count:</b> 40	<b>Total Net Weight (LBS):</b>	<b>2,662,040</b>
	<b>Total Net Weight (TONS):</b>	<b>1,331.0</b>

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7399	8-19-11	11:55	Colborn	Joyne Beans 9	11440	4496	
7398	8-19-11	1:49	DIG East Bay Plaza	Muslime Jerry #11	107300	48492	
7399	8-20-11	2:15	DIG East Bay Plaza	DRIVE #105	102200	38240	180955
7400	8-22-11	7:30	Schultz Zena	WELLS STANFORD 103	100990	39850	180955
7401	8-22-11	5:55	Colborn	Joyne Beans 9	116160	41000	4526
7402	8-22-11	9:06	"	Adventure #1, Biggie	105780	41100	4527
7403	8-22-11	8:5	CAISPE	BRAUER ENCO 23	115020	37500	4528
7404	8-22-11	9:45	CA	Jordan 70	97230	4000	✓
7405	8-22-11	8:50	DRB East Bay Plaza	Muslime Jerry 11	104900	40440	480488
7406	8-22-11	9:05	LV Fibre	WASTE TREATMENT TRK 35	94400	3160	✓
7407	8-22-11	9:50	DRB EAST BAY PLAZA	MUSLIME JERRY 11	94020	43600	✓
7408	8-22-11	9:50	DRB East Bay Plaza	DRIVE #105	103000	38340	180952
7409	8-22-11	10:10	DRB East Bay Plaza	DR. JILL	701 106060	38000	180444
7410	8-22-11	10:20	DRB East Bay Plaza	DR. JILL	708 705460	30200	180502
7411	8-22-11	10:45	DRB East Bay Plaza	DR. JILL	704 102000	37400	180505
7412	8-22-11	11:15	Colborn	Joyne Beans 9	103400	41000	4555
7413	8-22-11	11:23	"	Adventure Biggie #1	103980	41100	4537
7414	8-22-11	11:45	CAISPE	BRAUER ENCO 23	108680	37500	4538
7415	8-22-11	11:47	Schultz Zena	WELLS STANFORD 103	103100	40440	✓
7416	8-22-11	11:50	LV Fibre	WASTE TREATMENT TRK 35	105600	3160	✓
7417	8-22-11	12:00	Rivergate	ERT 8 Lane	414 96100	45500	33901
7418	8-20-11	11:21	DRB East Bay Plaza	Muslime Jerry 11	100880	40440	480530
7419	8-22-11	9:00	DRB East Bay Plaza	DR. JILL	708 99940	38340	180541
7422	8-19-11	7:00	CA	Jordan 841	94460	47750	✓

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCR EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*



### TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7420	<del>8/22/11</del>	<del>2:10</del>	<del>COL</del>	<del>Jordan 20</del>	<del>93630</del>	<del>41960</del>	<del>1</del>
7421	<del>8/22/11</del>	<del>2:25</del>	<del>DR East Bay Area</del>	<del>CRP B14 701</del>	<del>96620</del>	<del>38080</del>	<del>480547</del>
7423	8-22-11	2:11	Calbea	Jayma Brown 9	106300	41000	4554
7424	8-22-11	2:51	11	Adventure Biggie #1	105320	41100	4557
7425	8-22-11	3:00	Calbea	Rico Braucon 23	109500	37500	4558
7426	<del>8-22-11</del>	<del>4:05</del>	<del>Calbea</del>	<del>Adventures, Shad 08-103</del>	<del>103980</del>	<del>39900</del>	<del>✓</del>
7427	8-23-11	6:15	Calbea	Rico Sawyer 23	102620	37500	4576
7428	<del>8/23/11</del>	<del>6:25</del>	<del>Rivergate</del>	<del>ERT 441</del>	<del>94220</del>	<del>45720</del>	<del>33978</del>
7429	<del>8/23/11</del>	<del>7:38</del>	<del>DRS East Bay Area</del>	<del>CRP A1 908</del>	<del>96080</del>	<del>38420</del>	<del>251155</del>
7430	<del>8/23/11</del>	<del>7:41</del>	<del>DRS East Bay Area</del>	<del>DRR Sherrine 709</del>	<del>94420</del>	<del>37940</del>	<del>95121585</del>
7431	8-23-11	7:42	Calbea	Jayma Brown 9	102180	41000	4586
7432	8/23/11	7:56	"	Adventure Biggie #1	103040	41100	4587
7433	<del>8-23-11</del>	<del>8:57</del>	<del>DRS East Bay Area</del>	<del>DRR Manning Jerry 411</del>	<del>100080</del>	<del>40050</del>	<del>460555</del>
7434	<del>8-23-11</del>	<del>9:05</del>	<del>DRS East Bay Area</del>	<del>DRR Denise 708</del>	<del>94080</del>	<del>38340</del>	<del>460590</del>
7435	<del>8-23-11</del>	<del>9:35</del>	<del>DRS East Bay Area</del>	<del>DRR Bill 701</del>	<del>96100</del>	<del>38080</del>	<del>480573</del>
7436	8-23-11	10:00	Calbea	Rico Braucon 23	114020	37500	4592
7437	8-23-11	10:00	Calbea	newson Doug 13	107180	39600	4584
7438	8-23-11	11:05	Calbea	Jayma Brown 9	106760	41000	4596
7439	8-22-11	11:15	11	Adventure Biggie #1	105780	41100	4588
7440	<del>8/23/11</del>	<del>11:30</del>	<del>Rivergate</del>	<del>CRP Steve 441</del>	<del>94660</del>	<del>45520</del>	<del>33953</del>
7441	<del>8/23/11</del>	<del>11:50</del>	<del>DRS East Bay Area</del>	<del>DRR Sweeney #701</del>	<del>94400</del>	<del>37480</del>	<del>480603</del>
7442	<del>8/23/11</del>	<del>12:00</del>	<del>DRS East Bay Area</del>	<del>CRP A1 708</del>	<del>101780</del>	<del>48260</del>	<del>480604</del>

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7443	<del>8-23-11</del>	<del>12:26</del>	<del>Prologex</del>	<del>CRF Shure 455</del>	<del>86000</del>	<del>41320</del>	<del>33861</del>
7444	<del>8-23-11</del>	<del>12:50</del>	<del>DLB East Bay Plaza</del>	<del>Maunne Jerry # 11</del>	<del>109820</del>	<del>40060</del>	<del>450209</del>
7445	<del>8-23-11</del>	<del>1:15</del>	<del>DLB East Bay Plaza</del>	<del>SWP Diane #08</del>	<del>105800</del>	<del>28340</del>	<del>1190111</del>
7446	8-23-11	1:35	CAISRE	EXCO BEARDON 23	105550	37820	4611
7447	<del>8/29/11</del>	<del>1:55</del>	<del>DLB East Bay Plaza</del>	<del>GRD Fry 701</del>	<del>104800</del>	<del>38000</del>	<del>450616</del>
7448	8/23/11	2:05	Calibre	newson Doug 13	100,400	38500	4614
7449	8-23-11	2:21	Calibre	Jayne Ryan 9	106520	41000	4615
7450	8-23-11	3:20	''	Adventure Biggie #1	106420	41100	4618
7451	8-24-11	6:00	CAISRE	EXCO BEARDON 23	97320	37520	4625
7452	8-24-11	6:00	Calibre	newson Doug 13	103680	38500	4630
7453	<del>8-24-11</del>	<del>6:50</del>	<del>RIVERBENT</del>	<del>CRF BOSS 493</del>	<del>87040</del>	<del>41180</del>	<del>33900</del>
7454	<del>8/24/11</del>	<del>7:14</del>	<del>Dave Evans</del>	<del>Maunne Plaza DRV Steve</del>	<del>705000</del>	<del>32440</del>	<del>34534</del>
7455	<del>8/24/11</del>	<del>7:26</del>	<del>DLB East Bay Plaza</del>	<del>GRD AT 708</del>	<del>121300</del>	<del>38220</del>	<del>309423</del>
7456	<del>8/24/11</del>	<del>7:45</del>	<del>CAISRE</del>	<del>Jayne 70</del>	<del>101980</del>	<del>44840</del>	<del>✓</del>
7457	8/24	8:00	Calibre	Adventure Biggie #1	107400	41100	4637
7458	8-24-11	8:10	Calibre	Jayne Ryan 9	104440	41000	4638
7459	8-24-11	8:38	CAISRE	EXCO BEARDON 23	106600	37500	4640
7460	<del>8-24-11</del>	<del>8:47</del>	<del>DUB, East Bay Plaza</del>	<del>Maunne Jerry 11</del>	<del>100440</del>	<del>40080</del>	<del>480651</del>
7461	<del>8-24-11</del>	<del>9:25</del>	<del>DLB East Bay Plaza</del>	<del>GRD Bill 701</del>	<del>102800</del>	<del>39200</del>	<del>480654</del>
7462	8-24-11	9:25	Calibre	newson Doug 13	100240	38500	4643
7463	<del>8-24-11</del>	<del>9:40</del>	<del>DLB East Bay Plaza</del>	<del>SWP Diane 703</del>	<del>100240</del>	<del>38800</del>	<del>440652</del>
7464	8-24-11	11:15	Calibre	Adventure Biggie #1	103880	41100	4646
7465	8-24-11	11:22	Calibre	Jayne Ryan 9	107800	41000	4647

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE

RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7466	8/21/11	11:50	ALB	QRP P1	92490	98945	405680
7467	8/24/11	11:50	Calibre	Evo Brandon 23	105540	37800	46275
7468	8/24/11	12:00	Calibre	Evo Doug 13	105620	38500	4654
7470	8-24-11	12:57	East Bay Plaza	Maxime Berry 11	110630	40030	480701
7471	8-24-11	1:30	East Bay Plaza	Bill 201	102700	37320	48074
7472	8-24-11	1:50	East Bay Plaza	Diane 208	104420	38540	480780
7473	8-24-11	2:50	Calibre	Adventure Riggs #1	105420	41100	46662
7474	8-24-11	2:57	Calibre	Jayna Reay 9	107920	41000	4665
7475	8-24-11	3:10	Calibre	Evo Brandon 23	107260	37500	4664
7476	8-25-11	6:10	Calibre	Evo Brandon 23	110600	57500	4672
7477	8-25-11	6:15	Adventure	Evo Riggs 42	87600	41900	34041
7478	8/25/11	6:15	Adventure	Evo Steve 44	94940	45300	34038
7479	8/25/11	6:25	Adventure	Evo Shane 45	87800	41480	34048
7480	8/25/11	6:35	Calibre	Newton Doug 13	103240	38500	4667
7481	8/25/11	7:30	ALB	QRP P1	7028	98500	400700
7482	8/25/11	7:30	ALB	QRP P1	7028	98500	400700
7483	8/25/11	7:50	Calibre	Adventure Riggs #1	105580	41100	4681
7484	8-25-11	8:43	East Bay Plaza	Maxime Berry 11	107530	40030	480721
7485	8-25-11	9:07	East Bay Plaza	QRP P1	109000	34320	49076
7486	8-25-11	9:30	East Bay Plaza	QRP P1	104300	38400	460750
7487	8-25-11	9:55	Calibre	Evo Brandon 23	106560	37500	4689
7488	8-25-11	10:30	Calibre	Newton Doug 13	105640	38500	4673

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE

RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
<del>7489</del>	<del>8/25/11</del>	<del>11:00</del>	<del>Rivergate</del>	<del>ERT J. Fournier 111</del>	<del>95820</del>	<del>45020</del>	<del>314063</del>
7490	8/25/11	11:25	Calibre	Adventure Riggle #1	106000	41100	4701
<del>7491</del>	<del>8/25/11</del>	<del>11:01</del>	<del>ATC Berg</del>	<del>QAA Bl 720</del>	<del>102400</del>	<del>38270</del>	<del>780009</del>
<del>7492</del>	<del>8/25/11</del>	<del>11:05</del>	<del>Des Moines</del>	<del>Des Moines</del>	<del>701600</del>	<del>51500</del>	<del>420011</del>
<del>7493</del>	<del>8-25-11</del>	<del>11:10</del>	<del>QUB</del>	<del>Stacy Mung</del>	<del>101000</del>	<del>10080</del>	<del>480315</del>
<del>7494</del>	<del>8-25-11</del>	<del>11:12</del>	<del>Des Moines</del>	<del>Bl 701</del>	<del>102000</del>	<del>37520</del>	<del>400819</del>
7495	8-25-11	1:20	CALIBRE	EUCC Behrman 23	117200	32500	4709



Landfill  
 3434 South Silver Lake Rd  
 Castle Rock, WA 98611  
 Tel (360) 274 6492  
 Fax (360) 274 6393

## LOAD SUMMARY

### CALIBRE - Thurston County Job Week of 8/29/2011 thru 9/2/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/29/2011	7:55A	Calibre	Adventure - Biggie - #1	106,340	41,100	65,240	95114801
8/29/2011	8:15A	Calibre	Newsom - Doug - #13	107,560	38,500	69,060	95114802
8/29/2011	8:38A	Calibre	Enco - Brandon - #23	119,140	37,500	81,640	95114803
8/29/2011	8:45A	Calibre	Jayne Barnes tru. - #9	110,640	41,000	69,640	95114804
8/29/2011	11:20A	Calibre	Adventure - Biggie - #1	105,380	41,100	64,280	95114809
8/29/2011	11:55A	Calibre	Enco - Brandon - #23	105,040	37,500	67,540	95114810
8/29/2011	12:20P	Calibre	Newsom - Doug - #13	104,540	38,500	66,040	95114812
8/29/2011	12:23P	Calibre	Jayne Barnes tru. - #9	106,540	41,000	65,540	95114813
8/29/2011	2:40P	Calibre	Adventure - Biggie - #1	104,540	41,100	63,440	95114822
8/29/2011	3:15P	Calibre	Enco - Brandon - #23	107,700	37,500	70,200	95114824
8/30/2011	6:00A	Calibre	Enco - Brandon - #23	95,600	37,500	58,100	95114831
8/30/2011	6:00A	Calibre	Newsom - Doug - #13	105,940	38,500	67,440	95114825
8/30/2011	7:50A	Calibre	Adventure - Biggie - #1	104,620	41,100	63,520	95114836
8/30/2011	8:02A	Calibre	Jayne Barnes tru. - #9	105,920	41,000	64,920	95114837
8/30/2011	8:30A	Calibre	Enco - Brandon - #23	111,040	37,500	73,540	95114838
8/30/2011	8:50A	Calibre	Newsom - Doug - #13	105,880	38,500	67,380	95114840
8/30/2011	11:10A	Calibre	Adventure - Biggie - #1	105,320	41,100	64,220	95114846
8/30/2011	11:19A	Calibre	Jayne Barnes tru. - #9	112,600	41,000	71,600	95114848
8/30/2011	11:45A	Calibre	Enco - Brandon - #23	109,200	37,500	71,700	95114851
8/30/2011	12:10P	Calibre	Newsom - Doug - #13	106,000	38,500	67,500	95114853
8/30/2011	2:43P	Calibre	Jayne Barnes tru. - #9	99,280	41,000	58,280	95114859
8/30/2011	2:50P	Calibre	Adventure - Biggie - #1	104,840	41,100	63,740	95114860
8/30/2011	3:00P	Calibre	Enco - Brandon - #23	110,260	37,500	72,760	95114861
8/30/2011	3:25P	Calibre	Newsom - Doug - #13	105,600	38,500	67,100	95114864
8/31/2011	6:00A	Calibre	Newsom - Doug - #13	102,380	38,500	63,880	95114872
8/31/2011	6:20A	Calibre	Enco - Brandon - #23	102,540	37,500	65,040	95114870
8/31/2011	7:35A	Calibre	Adventure - Biggie - #1	105,140	41,100	64,040	95114877
8/31/2011	7:40A	Calibre	Jayne Barnes tru. - #9	102,460	41,000	61,460	95114878
8/31/2011	9:20A	Calibre	Newsom - Doug - #13	103,420	38,500	64,920	95114882
8/31/2011	9:40A	Calibre	Enco - Brandon - #23	107,260	37,500	69,760	95114883
8/31/2011	11:23A	Calibre	Jayne Barnes tru. - #9	112,980	41,000	71,980	95114886
8/31/2011	11:31A	Calibre	Adventure - Biggie - #1	105,540	41,100	64,440	95114887
8/31/2011	1:05P	Calibre	Enco - Brandon - #23	115,540	37,500	78,040	95114895
8/31/2011	1:07P	Calibre	Newsom - Doug - #13	110,060	38,500	71,560	95114896
8/31/2011	2:50P	Calibre	Jayne Barnes tru. - #9	106,500	41,000	65,500	95114900

100<sup>th</sup>  
 Anniversary

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/31/2011	2:52P	Calibre	Adventure - Biggie - #1	104,860	41,100	63,760	95114901
9/1/2011	7:48A	Calibre	Adventure - Biggie - #1	106,380	41,100	65,280	95114910
9/1/2011	9:45A	Calibre	Jayne Barnes tru. - #9	107,220	41,000	66,220	95114918
9/1/2011	11:15A	Calibre	Adventure - Biggie - #1	105,360	41,100	64,260	95114923
9/1/2011	1:25P	Calibre	Jayne Barnes tru. - #9	113,260	41,000	72,260	95114936

<b>Total Load Count:</b>	<b>40</b>	<b>Total Net Weight (LBS):</b>	<b>2,686,820</b>
		<b>Total Net Weight (TONS):</b>	<b>1,343.4</b>

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7505	8/29/11	7:55	Calibre	Adventure Biggie #1	106340	4801	
7506	8/29/11	8:15	Calibre	hudson Bay	107560	4802	
7507	8/29/11	8:38	Calibre	Ecco Rainbow	119140	4803	
7508	8/29/11	8:45	Calibre	Jayco Brown	110640	4804	
7509	<del>8/29/11</del>	<del>9:45</del>	<del>Calibre</del>	<del>Adventure Biggie #1</del>	<del>106340</del>	<del>4801</del>	
7510	<del>8/29/11</del>	<del>10:12</del>	<del>Calibre</del>	<del>hudson Bay</del>	<del>107560</del>	<del>4802</del>	
7511	<del>8/29/11</del>	<del>10:18</del>	<del>Calibre</del>	<del>Ecco Rainbow</del>	<del>119140</del>	<del>4803</del>	

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCR EQUIPMENT HAVE THE

RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7512	8/29/11	11:20	Calibre	Adventure Riggle #1	105380	41100	4809
7513	8/29/11	11:58	Calibre	Evo Brandon 23	105640	37500	4810
7514	8/29/11	12:20	Calibre	Newson Doug 13	104540	38500	4812
7515	8-29-11	12:23	Calibre	Newson Doug 9	106540	41000	4813
7516	8/29/11	12:38	Reverge	ERT Stone 12	81300	43020	24163
7517	8-29-11	1:05	DRS East Bay Plaza	ERT Stone 12	81300	43020	24163
7518	8/29/11	2:40	Calibre	Adventure Riggle #1	104540	41100	4822
7519	8/29/11	3:15	Calibre	Evo Brandon 23	107200	37500	4824
7520	8/30/11	6:00	Calibre	Evo Brandon 23	95600	37500	4831
7521	8/30/11	6:00	Calibre	Newson Doug 13	105940	38500	4835
7522	8/30/11	7:20	DRS East Bay Plaza	ERT Stone 12	102940	38590	200977
7523	8/30/11	7:35	DRS East Bay Plaza	ERT Stone 12	104440	38480	200973
7524	8/30/11	7:50	Calibre	Adventure Riggle #1	104620	41100	4836
7525	8/30/11	8:02	Calibre	Newson Doug 9	105920	41600	4837
7526	8/30/11	8:30	Calibre	Evo Brandon 23	110400	37500	4838
7527	8/30/11	8:50	Calibre	Newson Doug 13	105880	38500	4840
7528	8-30-11	9:00	DRS East Bay Plaza	ERT Stone 12	103300	38480	4845
7529	8-30-11	10:45	DRS East Bay Plaza	ERT Stone 12	103300	38480	4845
7530	8/30/11	11:10	Calibre	Adventure Riggle #1	105320	41100	4846
7531	8/30/11	11:19	Calibre	Newson Doug 9	112600	41000	4848
7532	8-30-11	11:37	DRS East Bay Plaza	ERT Stone 12	102220	38500	4849
7533	8/30/11	11:45	DRS East Bay Plaza	ERT Stone 12	103400	38500	4849
7534	8/30/11	11:45	Calibre	Evo Brandon 23	109200	37500	4851

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*



# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7536	8/30/11	12:10	Calibre	newson Doug 13	106000 38500	4853	
7536	<del>8/31/11</del>	<del>1:00</del>	<del>Calibre</del>	<del>newson Doug 13</del>	<del>97040 38840</del>	<del>48113</del>	
7537	8/30/11	2pm	RV recycle	ced bar 43	84000 41640	34210	
7538	8-30-11	243	Calibre	Jayne Brown 9	99200 41000	4859	
7539	8/30/11	250	"	Adventure Biggie #1	104840 41100	4840	
7540	8/30/11	300	"	Euro Brandon 23	110260 37500	4861	
7541	8/30/11	325	Calibre	newson Doug 13	105600 38500	4864	
7542	8-31-11	6:01	CDL recycle	newson Doug 13	95200 40150	V	
7543	8-31-11	6:00	Calibre	newson Doug 13	102380 381500	4872	
7544	8-31-11	6:15	RV recycle	ced bar 43	95280 46600	34223	
7545	8-31-11	6:20	Calibre	Euro Brandon 23	102540 37500	4870	
7546	8/31/11	7:00	RV recycle	ced bar 43	97490 48400	34223	
7547	8/31/11	7:30	RV recycle	ced bar 43	97490 48400	34223	
7548	8/31/11	7:35	Calibre	Adventure Biggie #1	105720 39500	4877	
7549	8/31/11	7:40	Calibre	Adventure Biggie #1	105140 41100	4877	
7550	8/31/11	7:40	Calibre	Jayne Brown 9	102460 41000	4878	
7551	8-31-11	9:10	Calibre	newson Doug 13	103420 38500	4882	
7552	8-31-11	9:40	Calibre	Euro Brandon 23	107260 37500	4883	
7553	8/31/11	11:25	Calibre	Jayne Brown 9	112980 41000	4886	
7554	8/31/11	11:31	"	Adventure Biggie #1	105540 41100	4887	
7555	8/31/11	11:40	RV recycle	ced bar 43	97490 48400	34223	
7556	8/31/11	1:50	RV recycle	ced bar 43	97490 48400	34223	
7557	8/31/11	4:00	RV recycle	ced bar 43	97490 48400	34223	

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCR EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7558	8/31/11	105	Calibre	Erick Braucom 23	115540 37500	4855	
7559	9/31/11	107	Calibre	newson Doug 13	110060 38500	4896	
7560	8/31/11	125	Calibre	Jayme Brooks 9	106500 41000	4900	
7561	8/31/11	252	"	Adventure Brigie # 1	104860 41100	4901	
7562	9/1/11	730	Don Eastway Plaza	Greg Al 704	92200 38480	30086	
7563	9/1/11	732	DCB Eastway Plaza	Greg Bill 701	104440 38540	30087	
7564	9/1/11	748	Calibre	Adventure Brigie # 1	106380 41100	4910	
7565	9-1-11	815	CBE Recycle	Terena 011	92080 43500		
7566	9-1-11	850	DCB Eastway Plaza	Greg Drenne 708	100180 36000	49019	
7567	9-1-11	945	Calibre	Jayme Brooks 9	107220 41000	4918	
7568	9-1-11	1115	"	Adventure Brigie # 1	105360 41100	4923	
7569	9/1/11	7445	DCB Eastway Plaza	ERP 701	92040 40400	49267	
7570	9/1/11	11:45	Rivergate	CR1 Steve 48	87660 42880	31296	
7571	9/1/11	1155	DCB Eastway Plaza	ERP Bill 701	106260 38540	48369	
7572	9/1/11	1155	DCB Eastway Plaza	ERP Drenne 708	110000 38800	46280	
7573	9/1/11	1158	Wheeler Egeel	Mike Kelly 14			
7574	9-1-11	125	Calibre	Jayme Brooks 9	115260 41000	4936	
7575	9/1/11	1150	CDC	Jordan 70	87300 40000		
7576	9/1/11	6:00	Rivergate	CR1 Steve 48	88860 43140	34386	
7577	9-2-11	6:30	Rivergate	Greg Bill 701	85760 41740	34325	
7578	9/1/11	7:20	CDC	Jordan 70	83400 41600		
7579	9/1/11	7:37	DCB Eastway Plaza	ERP Bill 701	102680 38480	301127	
7580	9/1/11	7:39	DCB Eastway Plaza	ERP Bill 701	104940 38540	301126	

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCCE EQUIPMENT HAVE THE

RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*



Landfill  
3434 South Silver Lake Rd  
Castle Rock WA 98611  
Tel (360) 274 6492  
Fax (360) 274 6393

## LOAD SUMMARY

### CALIBRE - Thurston County Job Week of 9/6/2011 thru 9/9/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/6/2011	7:45A	Calibre	Jayne Barnes tru. - #9	113,020	41,000	72,020	95114996
9/6/2011	8:05A	Calibre	Enco - Brandon - #23	118,040	37,500	80,540	95114997
9/6/2011	8:20A	Calibre	Adventure - Biggie - #1	107,500	41,100	66,400	95114998
9/6/2011	11:05A	Calibre	Jayne Barnes tru. - #9	112,140	41,000	71,140	95115004
9/6/2011	11:25A	Calibre	Adventure - Biggie - #1	105,960	41,100	64,860	95115009
9/6/2011	11:25A	Calibre	Enco - Brandon - #23	115,620	37,500	78,120	95115008
9/6/2011	2:28P	Calibre	Jayne Barnes tru. - #9	102,800	41,000	61,800	95115024
9/6/2011	2:32P	Calibre	Adventure - Biggie - #1	104,700	41,100	63,600	95115025
9/7/2011	6:00A	Calibre	Jayne Barnes tru. - #9	108,580	41,000	67,580	95115046
9/7/2011	6:00A	Calibre	Enco - Brandon - #23	106,160	37,500	68,660	95115048
9/7/2011	7:45A	Calibre	Adventure - Biggie - #1	106,660	41,100	65,560	95115049
9/7/2011	8:00A	Calibre	Jayne Barnes tru. - #9	109,860	41,000	68,860	95115050
9/7/2011	8:40A	Calibre	Newsom - Doug - #13	108,920	38,500	70,420	95115052
9/7/2011	9:00A	Calibre	Enco - Brandon - #23	113,360	37,500	75,860	95115054
9/7/2011	10:55A	Calibre	Adventure - Biggie - #1	106,220	41,100	65,120	95115065
9/7/2011	11:05A	Calibre	Jayne Barnes tru. - #9	109,040	41,000	68,040	95115066
9/7/2011	1:20P	Calibre	Enco - Brandon - #23	110,280	37,500	72,780	95115072
9/7/2011	12:15P	Calibre	Newsom - Doug - #13	104,920	38,500	66,420	95115070
9/7/2011	2:05A	Calibre	Adventure - Biggie - #1	104,640	41,100	63,540	95115075
9/7/2011	2:18P	Calibre	Jayne Barnes tru. - #9	109,960	41,000	68,960	95115076
9/7/2011	3:15P	Calibre	Enco - Brandon - #23	120,280	37,500	82,780	95115080
9/7/2011	4:10P	Calibre	Newsom - Doug - #13	117,440	38,500	78,940	95115083
9/8/2011	6:00A	Calibre	Enco - Brandon - #23	118,280	37,500	80,780	95115109
9/8/2011	6:00A	Calibre	Newsom - Doug - #13	104,640	38,500	66,140	95115099
9/8/2011	8:55A	Calibre	Enco - Brandon - #23	113,540	37,500	76,040	95115118
9/8/2011	9:15A	Calibre	Newsom - Doug - #13	109,840	38,500	71,340	95115121
9/8/2011	11:30A	Calibre	Adventure - Biggie - #1	107,800	41,100	66,700	95115130
9/8/2011	12:20P	Calibre	Enco - Brandon - #23	113,720	37,500	76,220	95115137
9/8/2011	12:35P	Calibre	Newsom - Doug - #13	109,320	38,500	70,820	95115138
9/8/2011	2:50P	Calibre	Adventure - Biggie - #1	105,640	41,100	64,540	95115150
9/8/2011	3:20P	Calibre	Enco - Brandon - #23	113,440	37,500	75,940	95115151
9/9/2011	6:00A	Calibre	Newsom - Doug - #13	102,880	38,500	64,380	95115155
9/9/2011	6:00A	Calibre	Enco - Brandon - #23	122,800	37,500	85,300	95115167
9/9/2011	8:40A	Calibre	Newsom - Doug - #13	108,700	38,500	70,200	95115170
9/9/2011	9:00A	Calibre	Enco - Brandon - #23	110,480	37,500	72,980	95115172



DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/9/2011	12:15P	Calibre	Newsom - Doug - #13	89,940	38,500	51,440	95115179
9/9/2011	12:15P	Calibre	Enco - Brandon - #23	102,540	37,500	65,040	95115178

<b>Total Load Count:</b>	<b>37</b>	<b>Total Net Weight (LBS):</b>	<b>2,599,860</b>
		<b>Total Net Weight (TONS):</b>	<b>1,299.9</b>

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7581	<del>9-2-11</del>	<del>8:50</del>	<del>DR East Bay Plaza</del>	<del>CRP DIBRE 203</del>	<del>102165</del>	<del>38840</del>	<del>484423</del>
7582							
7583							
7584	<del>9/2/11</del>	<del>10:10</del>	<del>Rivergate</del>	<del>CRP Stone 42</del>	<del>86560</del>	<del>42920</del>	<del>34342</del>
7585	<del>9/2/11</del>	<del>11:35</del>	<del>DR Rivergate</del>	<del>STAR Catherine 205</del>	<del>91180</del>	<del>41300</del>	
7586	<del>9/8/11</del>	<del>12:10</del>	<del>DR East Bay Plaza</del>	<del>CRP A1 704</del>	<del>101980</del>	<del>38840</del>	<del>48442</del>
7587	<del>9/2/11</del>	<del>12:17</del>	<del>DR East Bay Plaza</del>	<del>CRP B11 701</del>	<del>102720</del>	<del>38540</del>	<del>48448</del>
7588	<del>9/2/11</del>	<del>12:45</del>	<del>Advanced materials</del>	<del>FRONT ROAD James 1</del>	<del>70685</del>	<del>29800</del>	<del>59144</del>
7589	<del>9/1/11</del>	<del>1:00</del>	<del>DR East Bay Plaza</del>	<del>CRP Diane 1202</del>	<del>104180</del>	<del>36640</del>	<del>461459</del>
7590	<del>9/1/11</del>	<del>2:00</del>	<del>Rivergate</del>	<del>CRP Diane 42</del>	<del>87800</del>	<del>43440</del>	<del>34366</del>
7591	<del>9/1/11</del>	<del>6:15</del>	<del>Rivergate</del>	<del>CRP Bog 43</del>	<del>86000</del>	<del>41840</del>	<del>34378</del>
7592	<del>9/1/11</del>	<del>6:30</del>	<del>Rivergate</del>	<del>CRP Diane 42</del>	<del>88200</del>	<del>42800</del>	<del>34376</del>
7593	<del>9/1/11</del>	<del>6:19</del>	<del>DR East Bay Plaza</del>	<del>CRP Diane 203</del>	<del>78940</del>	<del>38140</del>	
7594	<del>9-6-11</del>	<del>7:45</del>	<del>Galbraith</del>	<del>Jayne B 9</del>	<del>113020</del>	<del>41000</del>	<del>4996</del>
7595	<del>9-6-11</del>	<del>8:00</del>	<del>Rivergate</del>	<del>CRP Diane 45</del>	<del>93080</del>	<del>44740</del>	<del>34371</del>
7596	<del>9/6/11</del>	<del>8:05</del>	<del>Carlisle</del>	<del>ENCs Brandon 23</del>	<del>118040</del>	<del>37500</del>	<del>4992</del>
7597	<del>9/1/11</del>	<del>8:20</del>	<del>"</del>	<del>Adventure Biggie #1</del>	<del>107500</del>	<del>41100</del>	<del>4998</del>
7598	<del>9/6/11</del>	<del>9:57</del>	<del>DR East Bay Plaza</del>	<del>CRP Bill 700</del>	<del>104040</del>	<del>39320</del>	<del>48445</del>
7599	<del>9/6/11</del>	<del>10:15</del>	<del>DR East Bay Plaza</del>	<del>CRP H1 708</del>	<del>105520</del>	<del>38840</del>	<del>48497</del>
7600	<del>9/6/11</del>	<del>10:50</del>	<del>DR East Bay Plaza</del>	<del>CRP Diane 703</del>	<del>105060</del>	<del>38840</del>	<del>461501</del>
7601	<del>9-6-11</del>	<del>1:05</del>	<del>Carlisle</del>	<del>Jayne B 9</del>	<del>112140</del>	<del>41000</del>	<del>5004</del>
7602	<del>9/6/11</del>	<del>11:25</del>	<del>"</del>	<del>Adventure Biggie #1</del>	<del>105960</del>	<del>41100</del>	<del>5009</del>
7603	<del>9/6/11</del>	<del>11:25</del>	<del>"</del>	<del>Enc Brandon 23</del>	<del>115620</del>	<del>37500</del>	<del>5008</del>

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7604	9/6/11	18:00	Rivargate	CRT <del>Steen</del> 48	87340	43020 34405	
7605	9/6/11	8:15	DKB	CRP AT 708	101240	35460 481529	
7606	9/6/11	9:45	DKB East Bay Plaza	GRZ GOR DIERKE 703	93260	35120 451530	
7607	9/6/11	2:28	Calibre	Jayme Beans 9	102800	41000 5024	
7608	9/6/11	2:32	"	Adventure Baggie #1	104700	41100 5025	
7609	9/6/11	3:00	CRF Fretete	STAND 041	96,140	43,500	
7610	9-7-11	6:00	Calibon	Jayme Beans 9	108580	41000 5046	
7611	9-7-11	6:00	"	Fisco Baymen 23	106160	37500 5048	
7612	9/7/11	6:05	Rivargate	CRF Steen 48	88580	43200 34432	
7613	9/7/11	6:15	Rivargate	CRF Steen 45	95880	44960 34431	
7614	9/7/11	7:00	CRF	Jordan 70	83770	11900	
7615	9/7/11	7:20	DKB East Bay Plaza	CRP Pitt 701	102960	38320 30784	
7616	9/7/11	7:45	Calibre	Adventure Riggie #1	106660	41100 5049	
7617	9-7-11	8:00	Calibre	Jayme Beans 9	109960	41000 5050	
7618	9-7-11	8:40	Calibre	Newton Bay 13	108960	38500 5052	
7619	9/7/11	9:00	"	Fisco Baymen 23	113600	37500 5054	
7620	9/7/11	9:23	DKB East Bay Plaza	CRP Pitt 708	101820	38780 481537	
7621	9/7/11	9:45	DKB East Bay Plaza	CRP Dierke 703	101760	35120 451532	
7622	9/7/11	10:55	Calibre	Adventure Riggie #1	106220	41100 5068	
7623	9/7/11	10:55	Calibre	Jayme Beans 9	109040	41000 5066	
7624	9/7/11	12:05	Calibon	Fisco Baymen 23	110280	37800 5072	
7625	9/7/11	12:15	Calibre	Newton Doug 13	104920	38500 5070	
7626	9/7/11	10:5	DKB East Bay Plaza	CRP Pitt 708	103280	35460 481539	

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
<del>7627</del>	<del>9/7/11</del>	<del>1:20</del>	<del>218 East Bay Plaza</del>	<del>Bill Jones</del>	<del>702 109246</del>	<del>38100</del>	<del>181541</del>
<del>7628</del>	<del>9/7/11</del>	<del>1:55</del>	<del>Rivergate</del>	<del>CRP Jones</del>	<del>48 88740</del>	<del>42820</del>	<del>34408</del>
<del>7629</del>	<del>9/7/11</del>	<del>2:05</del>	<del>Calibre</del>	<del>Adventure Riggit #1</del>	<del>104640</del>	<del>41100</del>	<del>5075</del>
<del>7630</del>	<del>9-7-11</del>	<del>2:18</del>	<del>Calibre</del>	<del>Sammy Berg</del>	<del>109960</del>	<del>41000</del>	<del>5076</del>
<del>7631</del>	<del>9/7/11</del>	<del>3:15</del>	<del>Calibre</del>	<del>Erica Benson 23</del>	<del>120280</del>	<del>33500</del>	<del>9080</del>
<del>7632</del>	<del>9/7/11</del>	<del>4:10</del>	<del>Calibre</del>	<del>Newton Doug 13</del>	<del>117440</del>	<del>38500</del>	<del>5083</del>
<del>7633</del>	<del>9/8/11</del>	<del>6:00</del>	<del>Calibre</del>	<del>Erica Benson 23</del>	<del>118280</del>	<del>37500</del>	<del>5109</del>
<del>7634</del>	<del>9/8/11</del>	<del>6:50</del>	<del>Calibre</del>	<del>Newton Doug 13</del>	<del>104640</del>	<del>38500</del>	<del>5099</del>
<del>7635</del>	<del>9/8/11</del>	<del>7:50</del>	<del>Calibre</del>	<del>Jordan 20</del>	<del>81460</del>	<del>44800</del>	<del>5110</del>
<del>7636</del>	<del>9/8/11</del>	<del>8:55</del>	<del>Calibre</del>	<del>Adventure Riggit #1</del>	<del>92920</del>	<del>41100</del>	<del>5112</del>
<del>7637</del>	<del>9/8/11</del>	<del>9:15</del>	<del>Calibre</del>	<del>Erica Benson 23</del>	<del>113540</del>	<del>37500</del>	<del>5118</del>
<del>7638</del>	<del>9/8/11</del>	<del>9:15</del>	<del>Calibre</del>	<del>Newton Doug 13</del>	<del>109840</del>	<del>38500</del>	<del>5121</del>
<del>7639</del>	<del>9/8/11</del>	<del>11:50</del>	<del>Calibre</del>	<del>Erica Benson 23</del>	<del>99340</del>	<del>39100</del>	<del>5121</del>
<del>7640</del>	<del>9/8/11</del>	<del>11:30</del>	<del>Calibre</del>	<del>Adventure Riggit #1</del>	<del>107800</del>	<del>41100</del>	<del>5130</del>
<del>7641</del>	<del>9/8/11</del>	<del>12:20</del>	<del>Calibre</del>	<del>Erica Benson 23</del>	<del>113720</del>	<del>37500</del>	<del>5137</del>
<del>7642</del>	<del>9/8/11</del>	<del>12:35</del>	<del>Calibre</del>	<del>Newton Doug 13</del>	<del>109520</del>	<del>38500</del>	<del>5138</del>
<del>7643</del>	<del>9/8/11</del>	<del>2:00</del>	<del>Calibre</del>	<del>Erica Benson 23</del>	<del>100280</del>	<del>40900</del>	<del>34510</del>
<del>7644</del>	<del>9/8/11</del>	<del>2:50</del>	<del>Calibre</del>	<del>Adventure Riggit #1</del>	<del>105640</del>	<del>41100</del>	<del>5150</del>
<del>7645</del>	<del>9/8/11</del>	<del>3:20</del>	<del>Calibre</del>	<del>Erica Benson 23</del>	<del>113440</del>	<del>37500</del>	<del>5151</del>
<del>7646</del>	<del>9/9/11</del>	<del>6:00</del>	<del>Calibre</del>	<del>Newton Doug 13</del>	<del>102880</del>	<del>38500</del>	<del>5155</del>
<del>7647</del>	<del>9/9/11</del>	<del>6:00</del>	<del>Calibre</del>	<del>Erica Benson 23</del>	<del>122800</del>	<del>37500</del>	<del>5167</del>
<del>7648</del>	<del>9/9/11</del>	<del>7:50</del>	<del>Calibre</del>	<del>Jordan 20</del>	<del>82460</del>	<del>44800</del>	<del>5167</del>
<del>7649</del>	<del>9/9/11</del>	<del>8:00</del>	<del>Calibre</del>	<del>Jordan 20</del>	<del>93000</del>	<del>48800</del>	<del>6901</del>

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCR EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7650	<del>9/9/11</del>	<del>8:00</del>	<del>Rivergate</del>	<del>ERT Stone 48</del>	<del>87780</del>	<del>43920</del>	<del>6906</del>
7651	9/9/11	8:40	Calibre	Muskin Day 13	109300	38500	5-170
7652	9/9/11	9:00	Calibre	Erico Brown 23	110480	32500	5-172
7653	<del>9/9/11</del>	<del>9:12</del>	<del>DEP East Bay Plaza</del>	<del>CRP Pitt 701</del>	<del>93400</del>	<del>30720</del>	<del>48126</del>
7654	<del>9/9/11</del>	<del>9:31</del>	<del>DEP East Bay Plaza</del>	<del>CRP Pitt 708</del>	<del>93900</del>	<del>30460</del>	<del>48177</del>
7655	9/9/11	12:15	Calibre	Newton Day 13	89940	39500	5-179
7656	9/9/11	12:15	Calibre	Enoco Raymond 23	102540	37500	5-178
7657	<del>9/9/11</del>	<del>1:00</del>	<del>RRON gully</del>	<del>CRP Soff 44</del>	<del>96200</del>	<del>45500</del>	<del>34500</del>
7658	<del>9/9/11</del>	<del>12:55</del>	<del>CRP</del>	<del>Jordan 70</del>	<del>95140</del>	<del>47960</del>	<del>4</del>
7659	<del>9/9/11</del>	<del>1:39</del>	<del>DEP East Bay Plaza</del>	<del>CRP Pitt 708</del>	<del>98740</del>	<del>38460</del>	<del>48180</del>
7660	<del>9/9/11</del>	<del>7:40</del>	<del>CRP</del>	<del>Jordan 70</del>	<del>95980</del>	<del>40600</del>	<del>4</del>
7661	<del>9/9/11</del>	<del>7:45</del>	<del>Calibre</del>	<del>Jayme Brown 9</del>	<del>98600</del>	<del>41000</del>	<del>9216</del>
7662	<del>9/10/11</del>	<del>7:45</del>	<del>DEP East Bay Plaza</del>	<del>CRP Pitt 701</del>	<del>99320</del>	<del>39320</del>	<del>58181</del>
7663							
7664							
7665							
7666							
7667							
7668							
7669							
7670							
7671							
7672							

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*





Landfill  
3434 South Silver Lake Rd  
Castle Rock WA 98611  
Tel (360) 274 6492  
Fax (360) 274 6393

## LOAD SUMMARY

### CALIBRE - Thurston County Job Week of 9/12/2011 thru 9/16/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/12/2011	7:45A	Calibre	Jayne Barnes tru. - #9	97,860	41,000	56,860	95115206
9/12/2011	8:00A	Calibre	Newsom - Doug - #13	97,420	38,500	58,920	95115207
9/12/2011	8:18A	Calibre	Adventure - Biggie - #1	108,660	41,100	67,560	95115208
9/12/2011	8:33A	Calibre	Enco - Brandon - #23	113,900	37,500	76,400	95115210
9/12/2011	11:10A	Calibre	Jayne Barnes tru. - #9	113,040	41,000	72,040	95115216
9/12/2011	11:30A	Calibre	Adventure - Biggie - #1	109,520	41,100	68,420	95115217
9/12/2011	11:40A	Calibre	Enco - Brandon - #23	112,940	37,500	75,440	95115219
9/12/2011	12:17P	Calibre	Newsom - Doug - #13	116,000	38,500	77,500	95115222
9/12/2011	2:30P	Calibre	Jayne Barnes tru. - #9	116,740	41,000	75,740	95115227
9/12/2011	2:40P	Calibre	Enco - Brandon - #23	105,360	37,500	67,860	95115229
9/12/2011	2:50P	Calibre	Adventure - Biggie - #1	108,240	41,100	67,140	95115231
9/13/2011	6:00A	Calibre	Jayne Barnes tru. - #9	110,900	41,000	69,900	95115267
9/13/2011	6:00A	Calibre	Newsom - Doug - #13	105,700	38,500	67,200	95115239
9/13/2011	6:00A	Calibre	Enco - Brandon - #23	108,700	37,500	71,200	95115268
9/13/2011	8:07A	Calibre	Jayne Barnes tru. - #9	111,460	41,000	70,460	95115269
9/13/2011	8:11A	Calibre	Adventure - Biggie - #1	109,300	41,100	68,200	95115270
9/13/2011	8:25A	Calibre	Enco - Brandon - #23	117,660	37,500	80,160	95115271
9/13/2011	8:40A	Calibre	Newsom - Doug - #13	108,500	38,500	70,000	95115272
9/13/2011	11:20A	Calibre	Jayne Barnes tru. - #9	116,480	41,000	75,480	95115281
9/13/2011	11:25A	Calibre	Adventure - Biggie - #1	107,480	41,100	66,380	95115284
9/13/2011	11:32A	Calibre	Enco - Brandon - #23	106,480	37,500	68,980	95115285
9/13/2011	11:58A	Calibre	Newsom - Doug - #13	106,320	38,500	67,820	95115288
9/13/2011	2:27P	Calibre	Jayne Barnes tru. - #9	115,700	41,000	74,700	95115306
9/13/2011	2:47P	Calibre	Adventure - Biggie - #1	107,760	41,100	66,660	95115309
9/13/2011	2:56P	Calibre	Enco - Brandon - #23	107,320	37,500	69,820	95115310
9/13/2011	3:08P	Calibre	Newsom - Doug - #13	112,120	38,500	73,620	95115312
9/14/2011	6:20A	Calibre	Jayne Barnes tru. - #9	125,320	41,000	84,320	95115321
9/14/2011	6:20A	Calibre	Enco - Brandon - #23	119,500	37,500	82,000	95115323
9/14/2011	6:30A	Calibre	Newsom - Doug - #13	111,560	38,500	73,060	95115317
9/14/2011	10:50A	Calibre	Newsom - Doug - #13	116,880	38,500	78,380	95115331
9/14/2011	11:02A	Calibre	Enco - Brandon - #23	113,860	37,500	76,360	95115332
9/14/2011	2:20P	Calibre	Enco - Brandon - #23	117,680	37,500	80,180	95115347
9/14/2011	2:35P	Calibre	Newsom - Doug - #13	113,340	38,500	74,840	95115348
9/15/2011	6:00A	Calibre	Jayne Barnes tru. - #9	123,880	41,000	82,880	95115360
9/15/2011	6:00A	Calibre	Enco - Brandon - #23	128,120	37,500	90,620	95115361



DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/15/2011	8:30A	Calibre	Jayne Barnes tru. - #9	115,640	41,000	74,640	95115364
9/15/2011	8:43A	Calibre	Enco - Brandon - #23	112,760	37,500	75,260	95115367
9/15/2011	12:05P	Calibre	Jayne Barnes tru. - #9	111,420	41,000	70,420	95115379
9/15/2011	12:05P	Calibre	Enco - Brandon - #23	112,640	37,500	75,140	95115372
9/15/2011	3:10P	Calibre	Jayne Barnes tru. - #9	118,540	41,000	77,540	95115389

<b>Total Load Count:</b>	<b>40</b>	<b>Total Net Weight (LBS):</b>	<b>2,920,100</b>
		<b>Total Net Weight (TONS):</b>	<b>1,460.1</b>

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7650	<del>9/9/11</del>	<del>8:00</del>	<del>Rivergate</del>	<del>ERT Steve HA</del>	<del>87700</del>	<del>48920</del>	<del>6006</del>
7651	9/9/11	8:40	Calibre	Murson Day 13	109700	38500	5170
7652	<del>9/9/11</del>	<del>9:00</del>	<del>Calibre</del>	<del>Evco Brandon 23</del>	<del>109800</del>	<del>32500</del>	<del>5172</del>
7653	9/9/11	9:12	DLB East Bay Plaza	ORP Bill 701	73400	39320	481245-
7654	9/9/11	9:31	DLB E. Bay Plaza	ORP AL 708	97900	38460	481772
7655	9/9/11	12:15	Calibre	newson Doug 13	89440	39500	5179
7656	9/9/11	12:15	Calibre	Evco Brandon 23	102540	27500	5178
7657	9-9-11	1:00	Rivergate	CRP Jeff 44	96200	45500	34552
7658	9/9/11	10:55	CDL	Truck A1 700	98740	38460	481804
7659	<del>9/9/11</del>	<del>1:00</del>	<del>DLB E. Bay Plaza</del>	<del>ORP Jordan 70</del>	<del>95700</del>	<del>40000</del>	<del>✓</del>
7660	9/12/11	7:40	Calibre	Jayne Bray 9	97860	41000	5206
7661	9-12-11	7:45	DLB East Bay Plaza	ORP Bill 709	99700	39320	481811
7662	9-12-11	8:00	Calibre	newson Doug 13	97420	38500	5202
7663	9/12/11	8:18	"	Adventure Biggie 4	108660	41100	5208
7664	9/12/11	8:33	"	Evco Brandon 23	113900	37500	5210
7665	9/12/11	9:05	DLB E. Bay Plaza	ORP AL 708	80640	38460	481856
7666	9/11/11	9:25	Prattrey	Brandon's Construction	104800	28340	5213
7667	9-12-11	9:28	DLB E. Bay Plaza	ORP Bill 704	97540	37840	481860
7668	9-12-11	9:33	DLB E. Bay Plaza	ORP Diane 903	98200	38120	481862
7669	9-12-11	1:10	Calibre	Jayne Bray 9	113040	41000	5216
7670	9-12-11	1:25	DLB East Bay Plaza	ORP Bill 701	100420	39220	481875
7671	9-12-11	1:30	Calibre	Adventure Riggle #1	109520	41100	5217

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Trl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7678	9/12/11	1140	Caliber	Eric Brauer 23	112940 37500	5219	
7674	9/12/11	1219	Caliber	Wilson Day 13	116000 38500	5222	
7675	<del>9/12/11</del>	<del>1246</del>	<del>Direct Ren</del>	<del>Wilson's Construction</del>	<del>118680 38340</del>	<del>5223</del>	
7676	9/12/11	1247	DLB Bay Plaza	ARRP A1	108763 38000	481882	
7677	9/12/11	1300	DLB Bay Plaza	ARRP Diane	903 96780	38120	481886
7678	9-12-11	1-25	DLB E. Bay Plaza	ARRP Bill	704 115380	37840	481885
7679	9-12-11	230	Caliber	Jayne Barnes 9	116740	41000	5227
7680	9/12/11	240	"	Eric Brauer 23	105360	37500	5229
7681	9/12/11	250	"	Adventure Biggie #1	108240	41100	5231
7682	9-13-11	600	Caliber	Jayne Barnes 9	110900	41000	5228
7683	9-13-11	600	Caliber	Wilson Day 13	105700	38500	5239
7684	9-13-11	600	"	Eric Brauer 23	108700	37500	5268
7685	9-13-11	615	Rovergate	ARRP Bron	95100	45480	84623
7686	9-13-11	615	Rivergate	ARRP Bogs	84480	41800	341028
7687	9/13/11	6:25	Rivergate	ARRP Steve	87480	412900	34635
7688	9/13/11	7:33	DLB E. Bay Plaza	ARRP Pat	104100	38500	901558
7689	9/13/11	7:35	DLB E. Bay Plaza	ARRP Phil	108560	38920	341344
7690	9-13-11	8:07	Caliber	Jayne Barnes 9	11460	41000	5269
7691	9/13/11	8:11	"	Adventure Biggie #1	108300	41100	5270
7692	9/13/11	8:25	"	Eric Brauer 23	117660	37500	5271
7693	9/13/11	8:40	Caliber	Wilson Day 13	108500	38500	5272
7694	9-13-11	9:02	DLB E. Bay Plaza	Murphy Selaf	115820	40080	481913
7695	9-13-11	9:05	DLB E. Bay Plaza	Wilson's Construction	103160	38340	5273

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Trl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7696	9-13-11	9:05	DIB East Bay Plaza	See Diane 703	100986	38125	441944
7697	9-13-11	9:25	NLB EAST BAY Plaza	Bill 704	97120	37840	481918
7698	9/14/11	10:30	Rivergate	CRT Steve 42	87960	43140	34654
7699	9/14/11	11:05	DIB East Bay Plaza	CRT Bill 701	90660	35320	481932
7700	9/14/11	11:15	DIB East Bay Plaza	CRT Bill 702	102720	48440	481940
7701	9/13/11	11:21	Calibone	James R 9	116480	41000	5281
7702	9/13/11	11:25	"	Adventure Biggie #1	107480	41100	5284
7703	9/13/11	11:32	"	Ecco Brandon 23	106480	37520	5285
7704	9/13/11	11:58	Calibone	Newton Day 13	106320	38500	5288
7705	9/13/11	12:12	Brookline	Marion's Construction #2	180100	38340	5291
7706	9-13-11	12:12	DIB East Bay Plaza	Murphy Jerry 11	103880	40080	481949
7707	9-13-11	12:15	DIB East Bay Plaza	Bill Dyne 203	92340	36120	481951
7708	9-13-11	12:15	DIB East Bay Plaza	Bill 704	102120	37880	481958
7709	9-13-11	2:37	Calibone	James Basenol 9	115700	41000	5306
7710	9/13/11	2:47	"	Adventure Biggie #1	107760	41100	5309
7711	9/13/11	2:56	"	Ecco Brandon 23	107320	37520	5312
7712	9/13/11	3:08	"	Newton Day 13	112120	38500	5312
7713	9/14/11	5:55	Rivergate	CRT Steve 45	88380	45080	34686
7714	9/14/11	6:00	Rivergate	CRT Steve 42	88220	42820	434683
7715	9-14-11	6:00	Rivergate	See Bill 43	83980	41840	34687
7716	9-14-11	6:20	Calibone	James Basenol 9	125320	41000	5321
7717	9/14/11	6:20	"	Ecco Brandon 23	119500	37500	5323
7718	9/14/11	6:30	"	Newton Day 13	111560	38500	5317

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7719	<del>9/15/11</del>	<del>7:38</del>	<del>RR E. Bay Plaza</del>	<del>ORP AL 708</del>	<del>98040</del>	<del>98500</del>	<del>301407</del>
7720	<del>9/14/11</del>	<del>7:42</del>	<del>RR E. Bay Plaza</del>	<del>ORP Bill W 201</del>	<del>95580</del>	<del>30320</del>	<del>301407</del>
7721	<del>9/14/11</del>	<del>9:00</del>	<del>RR E. Bay Plaza</del>	<del>Mummie Jerry 11</del>	<del>99800</del>	<del>40080</del>	<del>489089</del>
7722	<del>9/14/11</del>	<del>9:00</del>	<del>RR E. Bay Plaza</del>	<del>ORP 702</del>	<del>96210</del>	<del>39120</del>	<del>482018</del>
7723	<del>9/14/11</del>	<del>9:29</del>	<del>RR E. Bay Plaza</del>	<del>ORP Bill 904</del>	<del>98380</del>	<del>39840</del>	<del>482012</del>
7724	<del>9-14-11</del>	<del>10:50</del>	<del>Calibre Calibre</del>	<del>Newson Doug 13</del>	<del>116880</del>	<del>38,500</del>	<del>5331</del>
7725	<del>9/14/11</del>	<del>11:02</del>	<del>Calibre</del>	<del>Newson Doug 23</del>	<del>113860</del>	<del>37500</del>	<del>5332</del>
7726	<del>9/14/11</del>	<del>11:35</del>	<del>RR E. Bay Plaza</del>	<del>ORP 891</del>	<del>93220</del>	<del>46,150</del>	<del>✓</del>
7727	<del>9/14/11</del>	<del>1:05</del>	<del>RR E. Bay Plaza</del>	<del>ORP AT 708</del>	<del>97580</del>	<del>38,440</del>	<del>489023</del>
7728	<del>9/14/11</del>	<del>1:10</del>	<del>RR E. Bay Plaza</del>	<del>ORP Bill W 701</del>	<del>100580</del>	<del>39320</del>	<del>482025</del>
7729	<del>9/14/11</del>	<del>12:24</del>	<del>RR E. Bay Plaza</del>	<del>Newson Doug 11</del>	<del>106760</del>	<del>41050</del>	<del>482082</del>
7730	<del>9/14/11</del>	<del>1:05</del>	<del>RR E. Bay Plaza</del>	<del>ORP Diane 903</del>	<del>101610</del>	<del>36120</del>	<del>480106</del>
7731	<del>9/14/11</del>	<del>1:45</del>	<del>RR E. Bay Plaza</del>	<del>ORP Bill 704</del>	<del>102500</del>	<del>37840</del>	<del>482113</del>
7732	<del>9/14/11</del>	<del>2:20</del>	<del>Calibre</del>	<del>Erico Brandon 23</del>	<del>117680</del>	<del>37500</del>	<del>5347</del>
7733	<del>9/14/11</del>	<del>2:35</del>	<del>Calibre</del>	<del>Newson Doug 13</del>	<del>113340</del>	<del>38500</del>	<del>5348</del>
7734	<del>9-15-11</del>	<del>6:00</del>	<del>Calibre</del>	<del>Newson Doug 9</del>	<del>123880</del>	<del>41000</del>	<del>5360</del>
7735	<del>9/15/11</del>	<del>6:00</del>	<del>Calibre</del>	<del>Erico Brandon 23</del>	<del>128120</del>	<del>37500</del>	<del>5361</del>
7736	<del>9/15/11</del>	<del>6:00</del>	<del>RR E. Bay Plaza</del>	<del>ORP Steve 408</del>	<del>87080</del>	<del>43220</del>	<del>34744</del>
7737	<del>9/15/11</del>	<del>6:16</del>	<del>RR E. Bay Plaza</del>	<del>ORP Devin 411</del>	<del>93020</del>	<del>45800</del>	<del>34751</del>
7738	<del>9/15/11</del>	<del>6:16</del>	<del>RR E. Bay Plaza</del>	<del>ORP Shawn 45</del>	<del>94220</del>	<del>45200</del>	<del>34747</del>
7739	<del>9/15/11</del>	<del>7</del>	<del>RR E. Bay Plaza</del>	<del>ORP 48</del>	<del>80880</del>	<del>42200</del>	<del>34749</del>
7740	<del>9/15/11</del>	<del>7:07</del>	<del>RR E. Bay Plaza</del>	<del>ORP AT 708</del>	<del>98120</del>	<del>38500</del>	<del>301411</del>
7741	<del>9/15/11</del>	<del>7:32</del>	<del>RR E. Bay Plaza</del>	<del>ORP Bill W 701</del>	<del>101200</del>	<del>38220</del>	<del>301412</del>

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE

RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7742	<del>9-15</del>	<del>7:30</del>	<del>Riversgate</del>	<del>CISR 443</del>	<del>876 800</del>	<del>39273</del>	<del>(in previous sheet)</del>
7743	9-18-11	8:30	Calhoun	Jayne Beaver 9	115410	41000	5364
7744	9/15/11	8:43	Calhoun	Eric Braddock 23	112760	37500	5367
7745	9-15-11	8:48	Old East Bay Pkwy	Manning Jerry 11	99720	40080	482183
7746	9-15-11	9:20	Old East Bay Pkwy	James 308	91800	38120	482185
7747	9-15-11	9:30	Old E. Bay Pkwy	Bill 204	780960	37800	482187
7748	9/15/11	11:07	Old E. Bay Pkwy	DRP 77	94640	48460	482202
7749	9/15/11	11:05	Old East Bay Pkwy	DRP 711W	701	96080	482203
7750	9/15/11	12:15	Calhoun	Jayne R 9	111420	41000	5375
7751	9/15/11	12:05	"	Eric Becken 23	112640	37500	5372
7752	9-15-11	12:10	Old East Bay Pkwy	Manning Jerry 11	102800	40080	482216
7753	9-15-11	12:50	Old East Bay Pkwy	Eric James 703	91460	38120	482201
7754	9-15-11	1:15	Old E. Bay Pkwy	DRP Bill 704	102660	37840	482205
7755	9-15-11	3:10	Calhoun	Jayne Jerry 9	118410	41000	5389
7756	9-18-11	6:00	Emergate	Eric them 88	80810	37600	54709
7757	9-16-11	7:39	Old East Bay Pkwy	DRP Bill W 701	94180	38120	54711
7758	9/16/11	7:43	Old East Bay Pkwy	DRP Bill 708	99440	38500	304723
7759	9/16/11	7:45	Emergate	Jerry 20	86940	40000	
7760	9-10-11	8:55	Old East Bay Pkwy	Manning Jerry 11	99840	40080	482216
7761	9-10-11	?	Emergate	Car 11	87140	40800	34787
7762							
7763							
7764							

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*



Landfill  
3434 South Silver Lake Rd  
Castle Rock WA 98611  
Tel (360) 274 6492  
Fax (360) 274 6393

## LOAD SUMMARY

### CALIBRE - Thurston County Job Week of 9/19/2011 thru 9/23/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/19/2011	6:00A	Calibre	Jayme Barnes tru. - #9	111,020	41,000	70,020	95115444
9/19/2011	8:13A	Calibre	Jayme Barnes tru. - #9	118,000	41,000	77,000	95115445
9/19/2011	8:40A	Calibre	Newsom - Doug - #13	109,600	38,500	71,100	95115447
9/19/2011	8:40A	Calibre	Newsom - Ryan - #9	106,740	41,160	65,580	95115448
9/19/2011	9:00A	Calibre	Enco - Brandon - #23	117,840	37,500	80,340	95115449
9/19/2011	11:19A	Calibre	Jayme Barnes tru. - #9	113,140	41,000	72,140	95115455
9/19/2011	12:10P	Calibre	Enco - Brandon - #23	114,040	37,500	76,540	95115458
9/19/2011	12:15P	Calibre	Newsom - Doug - #13	112,140	41,160	70,980	95115459
9/19/2011	12:30P	Calibre	Newsom - Doug - #13	110,260	38,500	71,760	95115460
9/19/2011	2:28P	Calibre	Jayme Barnes tru. - #9	109,200	41,000	68,200	95115468
9/19/2011	3:15P	Calibre	Enco - Brandon - #23	116,460	37,500	78,960	95115470
9/20/2011	6:00A	Calibre	Jayme Barnes tru. - #9	111,760	41,000	70,760	95115483
9/20/2011	6:00A	Calibre	Enco - Brandon - #23	113,240	37,500	75,740	95115484
9/20/2011	6:00A	Calibre	Newsom - Doug - #13	104,600	38,500	66,100	95115477
9/20/2011	8:20A	Calibre	Enco - Brandon - #23	106,920	37,500	69,420	95115487
9/20/2011	8:30A	Calibre	Jayme Barnes tru. - #9	110,120	41,000	69,120	95115488
9/20/2011	8:35A	Calibre	Newsom - Doug - #13	102,140	38,500	63,640	95115489
9/20/2011	11:50A	Calibre	Enco - Brandon - #23	112,780	37,500	75,280	95115497
9/20/2011	11:50A	Calibre	Jayme Barnes tru. - #9	112,520	41,000	71,520	95115499
9/20/2011	11:55A	Calibre	Newsom - Doug - #13	108,040	38,500	69,540	95115500
9/20/2011	3:00P	Calibre	Enco - Brandon - #23	113,440	37,500	75,940	95115512
9/20/2011	3:14P	Calibre	Jayme Barnes tru. - #9	111,520	41,000	70,520	95115513
9/20/2011	3:45P	Calibre	Newsom - Doug - #13	105,720	38,500	67,220	95115515
9/21/2011	6:00A	Calibre	Enco - Brandon - #23	114,140	37,500	76,640	95115528
9/21/2011	6:00A	Calibre	Newsom - Doug - #13	106,800	38,500	68,300	95115524
9/21/2011	8:25A	Calibre	Enco - Brandon - #23	107,920	37,500	70,420	95115533
9/21/2011	9:22A	Calibre	Newsom - Doug - #13	101,520	38,500	63,020	95115534
9/21/2011	11:45A	Calibre	Enco - Brandon - #23	112,920	37,500	75,420	95115542
9/21/2011	1:30P	Calibre	Newsom - Doug - #13	103,920	38,500	65,420	95115548
9/22/2011	6:00A	Calibre	Newsom - Doug - #13	115,360	38,500	76,860	95115555
9/22/2011	8:03A	Calibre	Jayme Barnes tru. - #9	117,600	41,000	76,600	95115568
9/22/2011	8:50A	Calibre	Newsom - Doug - #13	116,960	38,500	78,460	95115570
9/22/2011	11:55A	Calibre	Jayme Barnes tru. - #9	129,840	41,000	88,840	95115576
9/22/2011	12:25P	Calibre	Newsom - Doug - #13	111,180	38,500	72,680	95115580
9/22/2011	3:11P	Calibre	Jayme Barnes tru. - #9	118,360	41,000	77,360	95115585

100<sup>th</sup>  
Anniversary



DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/23/2011	6:00A	Calibre	Newsom - Doug - #13	111,780	38,500	73,280	95115591
9/23/2011	9:01A	Calibre	Jayne Barnes tru. - #9	137,720	41,000	96,720	95160428
9/23/2011	9:10A	Calibre	Newsom - Doug - #13	125,640	38,500	87,140	95160429

<b>Total Load Count:</b>	<b>38</b>	<b>Total Net Weight (LBS):</b>	<b>2,794,580</b>
		<b>Total Net Weight (TONS):</b>	<b>1,397.3</b>

TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7764	9-19-11	600	Calbra	Jaymie Ben 9	111620 41000	5444	

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE  
 RIGHT OF WAY  
 \*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7765	<del>9/19/11</del>	<del>6:01m</del>	<del>Rivergate</del>	<del>CRT Shyne 45</del>	<del>9380 45100</del>	<del>5485</del>	
7766	<del>9/19/11</del>	<del>6:06</del>	<del>Rivergate</del>	<del>CRT Shyne 48</del>	<del>86000 45000</del>	<del>34831</del>	
7767	9-15-11	8:13	California	Jayne Brewer 9	118000	41000	5445
7768	9-19-11	8:40	Calibre	Newsom Doug 13	109600	38500	5447
7769	9-19-11	8:46	Calibre	Newsom Ryan 9	106740	41160	5448
7770	9-19-11	9:00	CAUSEE	Eric Saunders 23	117840	37500	5449
7771	9-19-11	11:19	California	Jayne Brewer 9	113140	41000	5451
7772	9-15-11	12:10	CAUSEE	Eric Brewer 23	114040	37500	5458
7773	9-15-11	12:15	Calibre	Newsom Ryan 9	112140	41160	5459
7774	9-19-11	12:30	Calibre	Newsom Doug 13	110260	38500	5460
7775	9-19-11	2:00	Rivergate	REC Jake Johnson T11	821800	40706	34804
7776	9-19-11	2:18	Rivergate	REC Rick Hann, T10	97920	59460	34861
7777	9/19/11	2:25	Cal	Truck 20	00370	48600	
7778	9-19-11	2:29	California	Jayne Brewer 9	109200	41000	5468
7779	9/19/11	3:15	CAUSEE	Eric Saunders 23	116460	37500	5470
7780	9-20-11	6:00	California	Jayne Brewer 9	111760	41000	5483
7781	9/20/11	6:00	CAUSEE	Eric Saunders 23	113240	37500	5484
7782	9/20/11	6:00	Calibre	Newsom Doug 13	104600	38500	5477
7783	9/20/11	6:45	Rivergate	Eric Dickman 10	83060	40800	34886
7784	9/20/11	8:20	CAUSEE	Eric Saunders 23	106920	37500	5487
7785	9/20/11	8:50	Calibre	Jayne B 9	110120	41000	9488
7786	9/20/11	8:35	Calibre	Newsom Doug 13	102140	38500	5489
7787	9/20/11	9:23	DEL'S & Bay	TRK 108	105400	28440	469411

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCR EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 20 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

### TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7788	9/20/11	9:35	DLB S. Bay Plaza	CRP Bill W. 701	100160	39320	482142
7789	9/20/11	9:40	DLB S. Bay Plaza	CRP Bill R. 704	102060	57810	482413
7790	9/20/11	10:00	Rivergate	CRP Dave 42	86960	43420	34897
7791	9/20/11	11:50	Caliber	Erica Brandon 23	112780	37500	5497
7792	9/20/11	11:50	"	Sallye Barnes 9	112520	41000	5499
7793	9/20/11	11:55	"	Heuson Doug 13	108040	38500	5500
7794	9/20/11	11:18	DLB S. Bay Plaza	CRP Al 108	101060	38460	482447
7795	9/20/11	11:40	DLB S. Bay Plaza	CRP Bill W. 701	99420	31320	482452
7796	9/20/11	1:15	DLB S. Bay Plaza	CRP Bill R. 704	99660	39810	482455
7797	9/20/11	3:00	Caliber	Erica Brandon 23	113440	39500	5512
7798	9/20/11	3:14	Caliber	Jayna Reeves 9	11520	41000	5513
7799	9/20/11	3:45	"	Heuson Doug 13	105720	38500	5515
7800	9/21/11	6:00	Caliber	Erica Brandon 23	114140	37500	5528
7801	9/21/11	6:00	"	Heuson Doug 13	106800	38500	5529
7802	9/21/11	6:15	Rivergate	CRP Pat 444	95460	45800	34922
7803	9/21/11	6:25	Rivergate	CRP Steve 42	87800	43000	34921
7804	9/21/11	7:55	CRP	Jordan 70	89161	47960	
7805	9/21/11	8:12	Caliber	Erica Brandon 23	107920	37500	5533
7806	9/21/11	9:10	DLB S. Bay Plaza	CRP Al 700	100810	38460	482498
7807	9/21/11	9:20	DLB S. Bay Plaza	CRP Bill W. 701	100120	39720	482501
7808	9/21/11	9:22	Caliber	Heuson Doug 13	101520	38500	5534
7809	9/21/11	10:05	DLB S. Bay Plaza	CRP Bill R. 704	102800	37810	482514
7810	9/21/11	10:05	DLB S. Bay Plaza	CRP Al 703	107800	38120	482512

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCR EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

# TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7811	9/21/11	1145	Calibre	Eric Boyson 23	112920 37500	5542	
7812	<del>9/21/11</del>	<del>18:17</del>	<del>Rivergate</del>	<del>ERT Steve</del>	<del>88060 43280</del>	<del>34951</del>	
7813	<del>9/21/11</del>	<del>11:5</del>	<del>D.B. Bay Plaza</del>	<del>CPA AL</del>	<del>104440 28440</del>	<del>489550</del>	
7814	9/21/11	1:30	Calibre	Wesley Day 13	103920 38500	5548	
7815	<del>9/21/11</del>	<del>1:30</del>	<del>D.B. Bay Plaza</del>	<del>CPA Bill W</del>	<del>101800 39322</del>	<del>482554</del>	
7816	<del>9/21/11</del>	<del>1:45</del>	<del>Rivergate</del>	<del>CPA Ron</del>	<del>92720 44820</del>	<del>24989</del>	
7817	<del>9/21/11</del>	<del>2:00</del>	<del>D.B. Bay Plaza</del>	<del>CPA Bill R</del>	<del>100780 37840</del>	<del>482558</del>	
7818	9-22-11	6:00	Calibre	Wesley Day 13	115360 38500	5555	
7819	<del>9/22/11</del>	<del>6:00</del>	<del>Rivergate</del>	<del>ERT Steve</del>	<del>87200 43360</del>	<del>34970</del>	
7820	<del>9/22/11</del>	<del>6:15</del>	<del>Rivergate</del>	<del>CPA Ron</del>	<del>90940 44660</del>	<del>34972</del>	
7821	<del>9/22/11</del>	<del>7:30</del>	<del>D.B. Bay Plaza</del>	<del>CPA Al</del>	<del>105100 28500</del>	<del>201678</del>	
7822	9-22-11	5:03	Calibre	Wesley Day 13	117600 41000	5568	
7823	<del>9-22-11</del>	<del>9:5</del>	<del>D.B. Bay Plaza</del>	<del>CPA Tom</del>	<del>101800 37580</del>	<del>201567</del>	
7824	9-22-11	8:50	Calibre	Wesley Day 13	116960 38500	5570	
7825	<del>9-22-11</del>	<del>9:55</del>	<del>D.B. Bay Plaza</del>	<del>CPA Bill R</del>	<del>105440 37840</del>	<del>482607</del>	
7826	9/22/11	9:55	D.B. Bay Plaza	CPA Bill W 201	101020 39320	482609	
7827	<del>9/22/11</del>	<del>11:20</del>	<del>D.B. Bay Plaza</del>	<del>CPA Al</del>	<del>103000 38400</del>	<del>482610</del>	
7828	9-22-11	11:55	Calibre	Wesley Day 13	129840 41000	5576	
7829	4-22-11	12:25	Calibre	Wesley Day 13	111180 38500	5580	
7830	9-22-11	1:35	D.B. Bay Plaza	CPA Bill R 709	78740 37840	482644	
7831	9/22/11	2:00	D.B. Bay Plaza	CPA Bill W 701	95080 39320	482649	
7832	9/22/11	2:05	D.B. Bay Plaza	CPA Tom 705	103110 38400	482650	
7833	9-22-11	2:50	Rivergate	CPA Ron 44	93000 44720	35008	

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

TRUCK LOG SHEET

Ctrl #	DATE	TIME	CUSTOMER	HAULER, DRIVER & TRUCK#	GROSS/TARE WGT (LBS)	TICKET #	SYSTEM ID# (OFFICE USE ONLY)
7834	9-22-11	3:11	Carlbone	Jayme Beaw 9	118360	41000	5585
7835	9-22-11	6:00	Carlbone	newson Doug 13	111780	38500	5591
7836	9/22/11	6:00	Carlbone	Jayme Beaw 9	111780	38500	5591
7837	9-23-11	6:00	Rivergate	CRP Bunker 48	99,300	44660	35015
7838	9/23/11	7:49	D.B. E. Bayberry	CRP P1 208	99,685	28500	291608
7839	9/23/11	9:00	Rivergate	CRP Steve 42	87680	43490	39034
7840	9/23/11	9:00	D.B. E. Bayberry	CRP Bill W 701	104000	39320	482082
7841	9-23-11	9:01	Carlbone	Jayme Beaw 9	137720	41000	0428
7842	9-23-11	9:10	Carlbone	newson Doug 13	125640	38150	0429
7843	9-23-11	9:10	D.B. E. Bayberry	CRP BILLY 704	107220	37840	482685
7844	9-23-11	9:25	D.B. E. Bayberry	CRP Tom 703	107100	38150	482686
7845	9-23-11	9:25	Carlbone	Jayme Beaw 9	137720	41000	0428
7846	9/23/11	10:05	D.B. E. Bayberry	CRP P1 708	97800	38150	482704
7847	9/23/11	10:25	Rivergate	CRP Steve 42	87100	43200	35047
7848	9-23-11	1:00	D.B. E. Bayberry	CRP BILLY 704	101540	37840	482712
7849	9/23/11	1:30	D.B. E. Bayberry	CRP BILLY 701	104560	39320	482716
7850	9-23-11	1:45	D.B. E. Bayberry	CRP Tom 703	103400	38150	482718
7851							
7852							
7853							
7854							
7855							
7856							

PLEASE OBEY STOP SIGNS @ RR CROSSING - TRAIN RAIL MTCE EQUIPMENT HAVE THE RIGHT OF WAY

\*\*\* REMEMBER 30 MPH MAX SPEED THRU RESIDENTIAL AREAS \*\*\*

## LOAD SUMMARY

### CALIBRE - Thurston County Job

Week of 8/8/2011 thru 8/12/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/8/2011	10:05A	Calibre	En-Co - Dustin - #23	110,720	37,700	73,020	95114016
8/8/2011	10:05A	Calibre	Barnes - Jamie - #9	101,140	41,200	59,940	95114015
8/8/2011	1:40P	Calibre	En-Co - Dustin - #23	101,340	37,700	63,640	95114032
8/8/2011	1:40P	Calibre	Barnes - Jamie - #9	116,700	41,000	75,700	95114031
8/9/2011	6:00A	Calibre	Barnes - Jamie - #9	107,680	41,000	66,680	95114050
8/9/2011	9:28A	Calibre	Jayne Barnes tru. - #9	101,080	41,000	60,080	95114062
8/9/2011	9:35A	Calibre	En-Co - Dustin - #23	106,100	37,700	68,400	95114063
8/9/2011	10:45A	Calibre	Adventure - Richard - #1	103,100	41,100	62,000	95114071
8/9/2011	12:48P	Calibre	Jayne Barnes tru. - #9	103,540	41,000	62,540	95114075
8/9/2011	1:00P	Calibre	En-Co - #23	105,680	37,700	67,980	95114076
8/9/2011	2:10P	Calibre	Adventure - Richard - #1	101,700	41,100	60,600	95114079
8/10/2011	6:00A	Calibre	En-Co - Dustin - #23	103,900	37,700	66,200	95114085
8/10/2011	6:00A	Calibre	Jayne Barnes tru. - #9	107,560	41,000	66,560	95114084
8/10/2011	8:55A	Calibre	En-Co - Dustin - #23	105,560	37,700	67,860	95114106
8/10/2011	9:00A	Calibre	Jayne Barnes - #9	103,460	41,000	62,460	95114107
8/10/2011	12:30P	Calibre	En-Co - Dustin - #23	106,680	37,700	68,980	95114119
8/10/2011	12:35P	Calibre	Jayne Barnes tru. - #9	113,760	41,000	72,760	95114120
8/11/2011	6:00A	Calibre	Jayne Barnes tru. - #9	108,280	41,000	67,280	95114149
8/11/2011	6:00A	Calibre	En-Co - Dustin - #23	101,180	37,700	63,480	95114135
8/11/2011	9:47A	Calibre	Jayne Barnes tru. - #9	107,420	41,000	66,420	95114158
8/11/2011	9:47A	Calibre	En-Co - Dustin - #23	106,060	37,700	68,360	95114161
8/11/2011	12:21P	Calibre	Jayne Barnes tru. - #9	108,600	41,000	67,600	95114174
8/11/2011	12:21P	Calibre	En-Co - Dustin - #23	103,940	37,700	66,240	95114175
8/12/2011	6:15A	Calibre	En-Co - Dustin - #23	102,240	37,700	64,540	95114190
8/12/2011	10:05A	Calibre	En-Co - Dustin - #23	106,080	37,700	68,380	95114202
8/12/2011	1:40P	Calibre	En-Co - Dustin - #23	104,800	37,700	67,100	951142210

<b>Total Load Count:</b>	<b>26</b>	<b>Total Net Weight (LBS):</b>	<b>1,724,800</b>
		<b>Total Net Weight (TONS):</b>	<b>862.4</b>

## LOAD SUMMARY

### CALIBRE - Thurston County Job

Week of 8/15/2011 thru 8/19/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/15/2011	7:51A	Calibre	Jayne Barnes tru. - #9	113,160	41,000	72,160	95114254
8/15/2011	7:52A	Calibre	Nick Obrien Trucking - #5	109,480	39,600	69,880	95114256
8/15/2011	8:30A	Calibre	Enco - Brandon - #23	107,240	37,500	69,740	95114258
8/15/2011	11:42A	Calibre	Jayne Barnes tru. - #9	113,140	41,000	72,140	95114264
8/15/2011	11:45A	Calibre	Nick Obrien Trucking - #5	115,600	39,600	76,000	95114265
8/15/2011	11:45A	Calibre	Enco - Brandon - #23	109,700	37,500	72,200	95114267
8/15/2011	2:30P	Calibre	Jayne Barnes tru. - #9	109,220	41,000	68,220	95114282
8/15/2011	3:18P	Calibre	Nick Obrien Trucking - #5	104,000	39,600	64,400	95114284
8/15/2011	3:20P	Calibre	Enco - Brandon - #23	103,740	37,500	66,240	95114286
8/16/2011	5:50A	Calibre	Enco - Brandon - #23	98,780	37,500	61,280	95114297
8/16/2011	7:45A	Calibre	Jayne Barnes tru. - #9	98,900	41,000	57,900	95114308
8/16/2011	9:00A	Calibre	Enco - Brandon - #23	110,860	37,500	73,360	95114309
8/16/2011	11:15A	Calibre	Jayne Barnes tru. - #9	96,480	41,000	55,480	95114316
8/16/2011	12:50P	Calibre	Enco - Brandon - #23	98,820	37,500	61,320	95114323
8/16/2011	2:41P	Calibre	Jayne Barnes tru. - #9	95,700	41,000	54,700	95114332
8/17/2011	6:25A	Calibre	Enco - Brandon - #23	97,020	37,500	59,520	95114336
8/17/2011	8:19A	Calibre	Jayne Barnes tru. - #9	98,680	41,000	57,680	95114351
8/17/2011	11:05A	Calibre	Enco - Brandon - #23	102,600	37,500	65,100	95114365
8/17/2011	11:35A	Calibre	Jayne Barnes tru. - #9	96,440	41,000	55,440	95114369
8/17/2011	2:25P	Calibre	Enco - Brandon - #23	109,300	37,500	71,800	95114384
8/17/2011	2:50P	Calibre	Jayne Barnes tru. - #9	111,400	41,000	70,400	95114387
8/18/2011	6:05A	Calibre	Enco - Brandon - #23	104,780	37,500	67,280	95114397
8/18/2011	7:55A	Calibre	Obrien - Nick - #6	109,140	39,680	69,460	95114416
8/18/2011	7:55A	Calibre	Jayne Barnes tru. - #9	120,600	41,000	79,600	95114415
8/18/2011	9:25A	Calibre	Enco - Brandon - #23	113,260	37,500	75,760	95114419
8/18/2011	11:34A	Calibre	Jayne Barnes tru. - #9	107,560	41,000	66,560	95114427
8/18/2011	11:35A	Calibre	Obrien - Nick - #6	103,260	39,680	63,580	95114428
8/18/2011	12:45P	Calibre	Enco - Brandon - #23	106,500	37,500	69,000	95114436
8/18/2011	3:05P	Calibre	Jayne Barnes tru. - #9	111,480	41,000	70,480	95114449
8/18/2011	3:25P	Calibre	Nick Obrien Trucking - #6	105,140	39,680	65,460	95114451
8/19/2011	6:03A	Calibre	Enco - Brandon - #23	104,200	37,500	66,700	95114452
8/19/2011	6:05A	Calibre	Jayne Barnes tru. - #9	113,020	41,000	72,020	95114469
8/19/2011	6:06A	Calibre	Obrien - Nick - #6	107,320	39,680	67,640	95114470
8/19/2011	9:20A	Calibre	Enco - Brandon - #23	107,980	37,500	70,480	95114476
8/19/2011	9:43A	Calibre	Jayne Barnes tru. - #9	102,040	41,000	61,040	95114480



DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/19/2011	9:45A	Calibre	Obrien Trucking - #6	103,820	39,680	64,140	95114479
8/19/2011	12:40P	Calibre	Enco - Brandon - #23	116,140	37,500	78,640	95114492
8/19/2011	1:15P	Calibre	Jayme Barnes tru. - #9	114,640	41,000	73,640	95114495

<b>Total Load Count:</b>	<b>38</b>	<b>Total Net Weight (LBS):</b>	<b>2,556,440</b>
		<b>Total Net Weight (TONS):</b>	<b>1,278.2</b>

## LOAD SUMMARY

### CALIBRE - Thurston County Job

Week of 8/22/2011 thru 8/26/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/22/2011	8:55A	Calibre	Jayne Barnes tru. - #9	116,160	41,000	75,160	95114526
8/22/2011	8:06A	Calibre	Adventure - Biggie - #1	105,780	41,100	64,680	95114527
8/22/2011	8:15A	Calibre	Enco - Brandon - #23	115,020	37,500	77,520	95114528
8/22/2011	11:15A	Calibre	Jayne Barnes tru. - #9	103,400	41,000	62,400	95114535
8/22/2011	11:23A	Calibre	Adventure - Biggie - #1	103,980	41,100	62,880	95114537
8/22/2011	11:45A	Calibre	Enco - Brandon - #23	108,680	37,500	71,180	95114538
8/22/2011	2:41P	Calibre	Jayne Barnes tru. - #9	106,300	41,000	65,300	95114554
8/22/2011	2:51P	Calibre	Adventure - Biggie - #1	105,320	41,100	64,220	95114557
8/22/2011	3:00P	Calibre	Enco - Brandon - #23	109,500	37,500	72,000	95114558
8/23/2011	6:15A	Calibre	Enco - Brandon - #23	102,620	37,500	65,120	95114576
8/23/2011	7:42A	Calibre	Jayne Barnes tru. - #9	102,180	41,000	61,180	95114586
8/23/2011	7:56A	Calibre	Adventure - Biggie - #1	103,040	41,100	61,940	95114587
8/23/2011	10:00A	Calibre	Enco - Brandon - #23	114,020	37,500	76,520	95114592
8/23/2011	10:00A	Calibre	Newsom - Doug - #13	107,180	38,600	68,580	95114589
8/23/2011	11:05A	Calibre	Jayne Barnes tru. - #9	100,760	41,000	59,760	95114596
8/23/2011	11:15A	Calibre	Adventure - Biggie - #1	105,780	41,100	64,680	95114598
8/23/2011	1:35P	Calibre	Enco - Brandon - #23	105,560	37,500	68,060	95114611
8/23/2011	2:05P	Calibre	Newsom - Doug - #13	100,400	38,500	61,900	95114614
8/23/2011	2:21P	Calibre	Jayne Barnes tru. - #9	106,820	41,000	65,820	95114615
8/23/2011	3:20P	Calibre	Adventure - Biggie - #1	106,420	41,100	65,320	95114618
8/24/2011	6:00A	Calibre	Enco - Brandon - #23	97,320	37,500	59,820	95114625
8/24/2011	6:00A	Calibre	Newsom - Doug - #13	103,680	38,500	65,180	95114630
8/24/2011	8:00A	Calibre	Adventure - Biggie - #1	107,400	41,100	66,300	95114637
8/24/2011	8:10A	Calibre	Jayne Barnes tru. - #9	104,440	41,000	63,440	95114638
8/24/2011	8:38A	Calibre	Enco - Brandon - #23	106,600	37,500	69,100	95114640
8/24/2011	9:25A	Calibre	Newsom - Doug - #13	100,240	38,500	61,740	95114643
8/24/2011	11:15A	Calibre	Adventure - Biggie - #1	103,680	41,100	62,580	95114646
8/24/2011	11:22A	Calibre	Jayne Barnes tru. - #9	102,800	41,000	61,800	95114647
8/24/2011	11:50A	Calibre	Enco - Brandon - #23	109,540	37,500	72,040	95114650
8/24/2011	12:50A	Calibre	Newsom - Doug - #13	105,620	38,500	67,120	95114654
8/24/2011	2:50P	Calibre	Adventure - Biggie - #1	105,420	41,100	64,320	95114662
8/24/2011	2:57P	Calibre	Jayne Barnes tru. - #9	107,920	41,000	66,920	95114663
8/24/2011	3:10P	Calibre	Enco - Brandon - #23	107,260	37,500	69,760	95114664
8/25/2011	6:10A	Calibre	Enco - Brandon - #23	110,600	37,500	73,100	95114672
8/25/2011	6:35A	Calibre	Newsom - Doug - #13	103,240	38,500	64,740	95114667

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/25/2011	7:50A	Calibre	Adventure - Biggie - #1	105,580	41,100	64,480	95114681
8/25/2011	9:55A	Calibre	Enco - Brandon - #23	106,560	37,500	69,060	95114689
8/25/2011	10:30A	Calibre	Newsom - Doug - #13	105,640	38,500	67,140	95114693
8/25/2011	11:25A	Calibre	Adventure - Biggie - #1	106,000	41,100	64,900	95114701
8/25/2011	1:20P	Calibre	Enco - Brandon - #23	111,780	37,500	74,280	95114709

<b>Total Load Count:</b>	<b>40</b>	<b>Total Net Weight (LBS):</b>	<b>2,662,040</b>
		<b>Total Net Weight (TONS):</b>	<b>1,331.0</b>

## LOAD SUMMARY

### CALIBRE - Thurston County Job

Week of 8/29/2011 thru 9/2/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/29/2011	7:55A	Calibre	Adventure - Biggie - #1	106,340	41,100	65,240	95114801
8/29/2011	8:15A	Calibre	Newsom - Doug - #13	107,560	38,500	69,060	95114802
8/29/2011	8:38A	Calibre	Enco - Brandon - #23	119,140	37,500	81,640	95114803
8/29/2011	8:45A	Calibre	Jayme Barnes tru. - #9	110,640	41,000	69,640	95114804
8/29/2011	11:20A	Calibre	Adventure - Biggie - #1	105,380	41,100	64,280	95114809
8/29/2011	11:55A	Calibre	Enco - Brandon - #23	105,040	37,500	67,540	95114810
8/29/2011	12:20P	Calibre	Newsom - Doug - #13	104,540	38,500	66,040	95114812
8/29/2011	12:23P	Calibre	Jayme Barnes tru. - #9	106,540	41,000	65,540	95114813
8/29/2011	2:40P	Calibre	Adventure - Biggie - #1	104,540	41,100	63,440	95114822
8/29/2011	3:15P	Calibre	Enco - Brandon - #23	107,700	37,500	70,200	95114824
8/30/2011	6:00A	Calibre	Enco - Brandon - #23	95,600	37,500	58,100	95114831
8/30/2011	6:00A	Calibre	Newsom - Doug - #13	105,940	38,500	67,440	95114825
8/30/2011	7:50A	Calibre	Adventure - Biggie - #1	104,620	41,100	63,520	95114836
8/30/2011	8:02A	Calibre	Jayme Barnes tru. - #9	105,920	41,000	64,920	95114837
8/30/2011	8:30A	Calibre	Enco - Brandon - #23	111,040	37,500	73,540	95114838
8/30/2011	8:50A	Calibre	Newsom - Doug - #13	105,880	38,500	67,380	95114840
8/30/2011	11:10A	Calibre	Adventure - Biggie - #1	105,320	41,100	64,220	95114846
8/30/2011	11:19A	Calibre	Jayme Barnes tru. - #9	112,600	41,000	71,600	95114848
8/30/2011	11:45A	Calibre	Enco - Brandon - #23	109,200	37,500	71,700	95114851
8/30/2011	12:10P	Calibre	Newsom - Doug - #13	106,000	38,500	67,500	95114853
8/30/2011	2:43P	Calibre	Jayme Barnes tru. - #9	99,280	41,000	58,280	95114859
8/30/2011	2:50P	Calibre	Adventure - Biggie - #1	104,840	41,100	63,740	95114860
8/30/2011	3:00P	Calibre	Enco - Brandon - #23	110,260	37,500	72,760	95114861
8/30/2011	3:25P	Calibre	Newsom - Doug - #13	105,600	38,500	67,100	95114864
8/31/2011	6:00A	Calibre	Newsom - Doug - #13	102,380	38,500	63,880	95114872
8/31/2011	6:20A	Calibre	Enco - Brandon - #23	102,540	37,500	65,040	95114870
8/31/2011	7:35A	Calibre	Adventure - Biggie - #1	105,140	41,100	64,040	95114877
8/31/2011	7:40A	Calibre	Jayme Barnes tru. - #9	102,460	41,000	61,460	95114878
8/31/2011	9:20A	Calibre	Newsom - Doug - #13	103,420	38,500	64,920	95114882
8/31/2011	9:40A	Calibre	Enco - Brandon - #23	107,260	37,500	69,760	95114883
8/31/2011	11:23A	Calibre	Jayme Barnes tru. - #9	112,980	41,000	71,980	95114886
8/31/2011	11:31A	Calibre	Adventure - Biggie - #1	105,540	41,100	64,440	95114887
8/31/2011	1:05P	Calibre	Enco - Brandon - #23	115,540	37,500	78,040	95114895
8/31/2011	1:07P	Calibre	Newsom - Doug - #13	110,060	38,500	71,560	95114896
8/31/2011	2:50P	Calibre	Jayme Barnes tru. - #9	106,500	41,000	65,500	95114900

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
8/31/2011	2:52P	Calibre	Adventure - Biggie - #1	104,860	41,100	63,760	95114901
9/1/2011	7:48A	Calibre	Adventure - Biggie - #1	106,380	41,100	65,280	95114910
9/1/2011	9:45A	Calibre	Jayne Barnes tru. - #9	107,220	41,000	66,220	95114918
9/1/2011	11:15A	Calibre	Adventure - Biggie - #1	105,360	41,100	64,260	95114923
9/1/2011	1:25P	Calibre	Jayne Barnes tru. - #9	113,260	41,000	72,260	95114936

<b>Total Load Count:</b>	<b>40</b>	<b>Total Net Weight (LBS):</b>	<b>2,686,820</b>
		<b>Total Net Weight (TONS):</b>	<b>1,343.4</b>

## LOAD SUMMARY

### CALIBRE - Thurston County Job

Week of 9/6/2011 thru 9/9/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/6/2011	7:45A	Calibre	Jayne Barnes tru. - #9	113,020	41,000	72,020	95114996
9/6/2011	8:05A	Calibre	Enco - Brandon - #23	118,040	37,500	80,540	95114997
9/6/2011	8:20A	Calibre	Adventure - Biggie - #1	107,500	41,100	66,400	95114998
9/6/2011	11:05A	Calibre	Jayne Barnes tru. - #9	112,140	41,000	71,140	95115004
9/6/2011	11:25A	Calibre	Adventure - Biggie - #1	105,960	41,100	64,860	95115009
9/6/2011	11:25A	Calibre	Enco - Brandon - #23	115,620	37,500	78,120	95115008
9/6/2011	2:28P	Calibre	Jayne Barnes tru. - #9	102,800	41,000	61,800	95115024
9/6/2011	2:32P	Calibre	Adventure - Biggie - #1	104,700	41,100	63,600	95115025
9/7/2011	6:00A	Calibre	Jayne Barnes tru. - #9	108,580	41,000	67,580	95115046
9/7/2011	6:00A	Calibre	Enco - Brandon - #23	106,160	37,500	68,660	95115048
9/7/2011	7:45A	Calibre	Adventure - Biggie - #1	106,660	41,100	65,560	95115049
9/7/2011	8:00A	Calibre	Jayne Barnes tru. - #9	109,860	41,000	68,860	95115050
9/7/2011	8:40A	Calibre	Newsom - Doug - #13	108,920	38,500	70,420	95115052
9/7/2011	9:00A	Calibre	Enco - Brandon - #23	113,360	37,500	75,860	95115054
9/7/2011	10:55A	Calibre	Adventure - Biggie - #1	106,220	41,100	65,120	95115065
9/7/2011	11:05A	Calibre	Jayne Barnes tru. - #9	109,040	41,000	68,040	95115066
9/7/2011	1:20P	Calibre	Enco - Brandon - #23	110,280	37,500	72,780	95115072
9/7/2011	12:15P	Calibre	Newsom - Doug - #13	104,920	38,500	66,420	95115070
9/7/2011	2:05A	Calibre	Adventure - Biggie - #1	104,640	41,100	63,540	95115075
9/7/2011	2:18P	Calibre	Jayne Barnes tru. - #9	109,960	41,000	68,960	95115076
9/7/2011	3:15P	Calibre	Enco - Brandon - #23	120,280	37,500	82,780	95115080
9/7/2011	4:10P	Calibre	Newsom - Doug - #13	117,440	38,500	78,940	95115083
9/8/2011	6:00A	Calibre	Enco - Brandon - #23	118,280	37,500	80,780	95115109
9/8/2011	6:00A	Calibre	Newsom - Doug - #13	104,640	38,500	66,140	95115099
9/8/2011	8:55A	Calibre	Enco - Brandon - #23	113,540	37,500	76,040	95115118
9/8/2011	9:15A	Calibre	Newsom - Doug - #13	109,840	38,500	71,340	95115121
9/8/2011	11:30A	Calibre	Adventure - Biggie - #1	107,800	41,100	66,700	95115130
9/8/2011	12:20P	Calibre	Enco - Brandon - #23	113,720	37,500	76,220	95115137
9/8/2011	12:35P	Calibre	Newsom - Doug - #13	109,320	38,500	70,820	95115138
9/8/2011	2:50P	Calibre	Adventure - Biggie - #1	105,640	41,100	64,540	95115150
9/8/2011	3:20P	Calibre	Enco - Brandon - #23	113,440	37,500	75,940	95115151
9/9/2011	6:00A	Calibre	Newsom - Doug - #13	102,880	38,500	64,380	95115155
9/9/2011	6:00A	Calibre	Enco - Brandon - #23	122,800	37,500	85,300	95115167
9/9/2011	8:40A	Calibre	Newsom - Doug - #13	108,700	38,500	70,200	95115170
9/9/2011	9:00A	Calibre	Enco - Brandon - #23	110,480	37,500	72,980	95115172

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/9/2011	12:15P	Calibre	Newsom - Doug - #13	89,940	38,500	51,440	95115179
9/9/2011	12:15P	Calibre	Enco - Brandon - #23	102,540	37,500	65,040	95115178

<b>Total Load Count:</b>	<b>37</b>	<b>Total Net Weight (LBS):</b>	<b>2,599,860</b>
		<b>Total Net Weight (TONS):</b>	<b>1,299.9</b>

## LOAD SUMMARY

### CALIBRE - Thurston County Job

Week of 9/12/2011 thru 9/16/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/12/2011	7:45A	Calibre	Jayne Barnes tru. - #9	97,860	41,000	56,860	95115206
9/12/2011	8:00A	Calibre	Newsom - Doug - #13	97,420	38,500	58,920	95115207
9/12/2011	8:18A	Calibre	Adventure - Biggie - #1	108,660	41,100	67,560	95115208
9/12/2011	8:33A	Calibre	Enco - Brandon - #23	113,900	37,500	76,400	95115210
9/12/2011	11:10A	Calibre	Jayne Barnes tru. - #9	113,040	41,000	72,040	95115216
9/12/2011	11:30A	Calibre	Adventure - Biggie - #1	109,520	41,100	68,420	95115217
9/12/2011	11:40A	Calibre	Enco - Brandon - #23	112,940	37,500	75,440	95115219
9/12/2011	12:17P	Calibre	Newsom - Doug - #13	116,000	38,500	77,500	95115222
9/12/2011	2:30P	Calibre	Jayne Barnes tru. - #9	116,740	41,000	75,740	95115227
9/12/2011	2:40P	Calibre	Enco - Brandon - #23	105,360	37,500	67,860	95115229
9/12/2011	2:50P	Calibre	Adventure - Biggie - #1	108,240	41,100	67,140	95115231
9/13/2011	6:00A	Calibre	Jayne Barnes tru. - #9	110,900	41,000	69,900	95115267
9/13/2011	6:00A	Calibre	Newsom - Doug - #13	105,700	38,500	67,200	95115239
9/13/2011	6:00A	Calibre	Enco - Brandon - #23	108,700	37,500	71,200	95115268
9/13/2011	8:07A	Calibre	Jayne Barnes tru. - #9	111,460	41,000	70,460	95115269
9/13/2011	8:11A	Calibre	Adventure - Biggie - #1	109,300	41,100	68,200	95115270
9/13/2011	8:25A	Calibre	Enco - Brandon - #23	117,660	37,500	80,160	95115271
9/13/2011	8:40A	Calibre	Newsom - Doug - #13	108,500	38,500	70,000	95115272
9/13/2011	11:20A	Calibre	Jayne Barnes tru. - #9	116,480	41,000	75,480	95115281
9/13/2011	11:25A	Calibre	Adventure - Biggie - #1	107,480	41,100	66,380	95115284
9/13/2011	11:32A	Calibre	Enco - Brandon - #23	106,480	37,500	68,980	95115285
9/13/2011	11:58A	Calibre	Newsom - Doug - #13	106,320	38,500	67,820	95115288
9/13/2011	2:27P	Calibre	Jayne Barnes tru. - #9	115,700	41,000	74,700	95115306
9/13/2011	2:47P	Calibre	Adventure - Biggie - #1	107,760	41,100	66,660	95115309
9/13/2011	2:56P	Calibre	Enco - Brandon - #23	107,320	37,500	69,820	95115310
9/13/2011	3:08P	Calibre	Newsom - Doug - #13	112,120	38,500	73,620	95115312
9/14/2011	6:20A	Calibre	Jayne Barnes tru. - #9	125,320	41,000	84,320	95115321
9/14/2011	6:20A	Calibre	Enco - Brandon - #23	119,500	37,500	82,000	95115323
9/14/2011	6:30A	Calibre	Newsom - Doug - #13	111,560	38,500	73,060	95115317
9/14/2011	10:50A	Calibre	Newsom - Doug - #13	116,880	38,500	78,380	95115331
9/14/2011	11:02A	Calibre	Enco - Brandon - #23	113,860	37,500	76,360	95115332
9/14/2011	2:20P	Calibre	Enco - Brandon - #23	117,680	37,500	80,180	95115347
9/14/2011	2:35P	Calibre	Newsom - Doug - #13	113,340	38,500	74,840	95115348
9/15/2011	6:00A	Calibre	Jayne Barnes tru. - #9	123,880	41,000	82,880	95115360
9/15/2011	6:00A	Calibre	Enco - Brandon - #23	128,120	37,500	90,620	95115361



DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/15/2011	8:30A	Calibre	Jayne Barnes tru. - #9	115,640	41,000	74,640	95115364
9/15/2011	8:43A	Calibre	Enco - Brandon - #23	112,760	37,500	75,260	95115367
9/15/2011	12:05P	Calibre	Jayne Barnes tru. - #9	111,420	41,000	70,420	95115379
9/15/2011	12:05P	Calibre	Enco - Brandon - #23	112,640	37,500	75,140	95115372
9/15/2011	3:10P	Calibre	Jayne Barnes tru. - #9	118,540	41,000	77,540	95115389

<b>Total Load Count:</b>	<b>40</b>	<b>Total Net Weight (LBS):</b>	<b>2,920,100</b>
		<b>Total Net Weight (TONS):</b>	<b>1,460.1</b>

## LOAD SUMMARY

### CALIBRE - Thurston County Job Week of 9/19/2011 thru 9/23/2011

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/19/2011	6:00A	Calibre	Jayne Barnes tru. - #9	111,020	41,000	70,020	95115444
9/19/2011	8:13A	Calibre	Jayne Barnes tru. - #9	118,000	41,000	77,000	95115445
9/19/2011	8:40A	Calibre	Newsom - Doug - #13	109,600	38,500	71,100	95115447
9/19/2011	8:40A	Calibre	Newsom - Ryan - #9	106,740	41,160	65,580	95115448
9/19/2011	9:00A	Calibre	Enco - Brandon - #23	117,840	37,500	80,340	95115449
9/19/2011	11:19A	Calibre	Jayne Barnes tru. - #9	113,140	41,000	72,140	95115455
9/19/2011	12:10P	Calibre	Enco - Brandon - #23	114,040	37,500	76,540	95115458
9/19/2011	12:15P	Calibre	Newsom - Doug - #13	112,140	41,160	70,980	95115459
9/19/2011	12:30P	Calibre	Newsom - Doug - #13	110,260	38,500	71,760	95115460
9/19/2011	2:28P	Calibre	Jayne Barnes tru. - #9	109,200	41,000	68,200	95115468
9/19/2011	3:15P	Calibre	Enco - Brandon - #23	116,460	37,500	78,960	95115470
9/20/2011	6:00A	Calibre	Jayne Barnes tru. - #9	111,760	41,000	70,760	95115483
9/20/2011	6:00A	Calibre	Enco - Brandon - #23	113,240	37,500	75,740	95115484
9/20/2011	6:00A	Calibre	Newsom - Doug - #13	104,600	38,500	66,100	95115477
9/20/2011	8:20A	Calibre	Enco - Brandon - #23	106,920	37,500	69,420	95115487
9/20/2011	8:30A	Calibre	Jayne Barnes tru. - #9	110,120	41,000	69,120	95115488
9/20/2011	8:35A	Calibre	Newsom - Doug - #13	102,140	38,500	63,640	95115489
9/20/2011	11:50A	Calibre	Enco - Brandon - #23	112,780	37,500	75,280	95115497
9/20/2011	11:50A	Calibre	Jayne Barnes tru. - #9	112,520	41,000	71,520	95115499
9/20/2011	11:55A	Calibre	Newsom - Doug - #13	108,040	38,500	69,540	95115500
9/20/2011	3:00P	Calibre	Enco - Brandon - #23	113,440	37,500	75,940	95115512
9/20/2011	3:14P	Calibre	Jayne Barnes tru. - #9	111,520	41,000	70,520	95115513
9/20/2011	3:45P	Calibre	Newsom - Doug - #13	105,720	38,500	67,220	95115515
9/21/2011	6:00A	Calibre	Enco - Brandon - #23	114,140	37,500	76,640	95115528
9/21/2011	6:00A	Calibre	Newsom - Doug - #13	106,800	38,500	68,300	95115524
9/21/2011	8:25A	Calibre	Enco - Brandon - #23	107,920	37,500	70,420	95115533
9/21/2011	9:22A	Calibre	Newsom - Doug - #13	101,520	38,500	63,020	95115534
9/21/2011	11:45A	Calibre	Enco - Brandon - #23	112,920	37,500	75,420	95115542
9/21/2011	1:30P	Calibre	Newsom - Doug - #13	103,920	38,500	65,420	95115548
9/22/2011	6:00A	Calibre	Newsom - Doug - #13	115,360	38,500	76,860	95115555
9/22/2011	8:03A	Calibre	Jayne Barnes tru. - #9	117,600	41,000	76,600	95115568
9/22/2011	8:50A	Calibre	Newsom - Doug - #13	116,960	38,500	78,460	95115570
9/22/2011	11:55A	Calibre	Jayne Barnes tru. - #9	129,840	41,000	88,840	95115576
9/22/2011	12:25P	Calibre	Newsom - Doug - #13	111,180	38,500	72,680	95115580
9/22/2011	3:11P	Calibre	Jayne Barnes tru. - #9	118,360	41,000	77,360	95115585

DATE	TIME	CUSTOMER	HAULER, DRIVER, TRUCK#	GROSS WGT (LBS)	TARE WGT (LBS)	NET WGT (LBS)	TICKET #
9/23/2011	6:00A	Calibre	Newsom - Doug - #13	111,780	38,500	73,280	95115591
9/23/2011	9:01A	Calibre	Jayne Barnes tru. - #9	137,720	41,000	96,720	95160428
9/23/2011	9:10A	Calibre	Newsom - Doug - #13	125,640	38,500	87,140	95160429

<b>Total Load Count:</b>	<b>38</b>	<b>Total Net Weight (LBS):</b>	<b>2,794,580</b>
		<b>Total Net Weight (TONS):</b>	<b>1,397.3</b>

**APPENDIX B**  
**Sample Laboratory Reports**



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1108004**

August 03, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 4 sample(s) on 8/1/2011 for the analyses presented in the following report.

***Semi-Volatile Organic Compounds by EPA Method 8270***

***TCLP by EPA Method 1311***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Justin Neste



Date: 08/03/2011

---

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1108004

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1108004-001	HETSP1	07/31/2011 9:15 AM	08/01/2011 1:40 PM
1108004-002	HETSP2	07/31/2011 9:30 AM	08/01/2011 1:40 PM
1108004-003	HETSP3	07/31/2011 9:44 AM	08/01/2011 1:40 PM
1108004-004	HETSP4	07/31/2011 9:57 AM	08/01/2011 1:40 PM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Calibre**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



**Client:** Calibre

**Collection Date:** 7/31/2011 9:15:00 AM

**Project:** Hytec

**Lab ID:** 1108004-001

**Matrix:** Soil

**Client Sample ID:** HETSP1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID 901 Analyst: MD

Phenol	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Bis(2-chloroethyl) ether	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2-Chlorophenol	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
1,3-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
1,4-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
1,2-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Benzyl alcohol	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2-Methylphenol (o-cresol)	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Hexachloroethane	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
N-Nitrosodi-n-propylamine	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Nitrobenzene	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Isophorone	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
4-Methylphenol	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2-Nitrophenol	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2,4-Dimethylphenol	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Bis(2-chloroethoxy)methane	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2,4-Dichlorophenol	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
1,2,4-Trichlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Naphthalene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
4-Chloroaniline	ND	518		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Hexachlorobutadiene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
4-Chloro-3-methylphenol	ND	518		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2-Methylnaphthalene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
1-Methylnaphthalene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Hexachlorocyclopentadiene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2,4,6-Trichlorophenol	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2,4,5-Trichlorophenol	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2-Chloronaphthalene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2-Nitroaniline	ND	518		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Acenaphthene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Dimethylphthalate	42,100	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2,6-Dinitrotoluene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Acenaphthylene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
2,4-Dinitrophenol	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Dibenzofuran	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:15:00 AM

**Project:** Hytec

**Lab ID:** 1108004-001

**Matrix:** Soil

**Client Sample ID:** HETSP1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID 901 Analyst: MD

2,4-Dinitrotoluene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
4-Nitrophenol	ND	518		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Fluorene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
4-Chlorophenyl phenyl ether	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Diethylphthalate	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
4,6-Dinitro-2-methylphenol	ND	207		µg/Kg-dry	1	8/2/2011 2:48:00 PM
4-Bromophenyl phenyl ether	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Hexachlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Pentachlorophenol	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Phenanthrene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Anthracene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Carbazole	ND	518		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Di-n-butylphthalate	583	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Fluoranthene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Pyrene	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Butyl Benzylphthalate	1,470	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
bis(2-Ethylhexyl)adipate	ND	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Benz (a) anthracene	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Chrysene	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
bis (2-Ethylhexyl) phthalate	3,170	104		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Di-n-octyl phthalate	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Benzo (b) fluoranthene	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Benzo (k) fluoranthene	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Benzo (a) pyrene	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Indeno (1,2,3-cd) pyrene	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Dibenz (a,h) anthracene	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Benzo (g,h,i) perylene	ND	82.9		µg/Kg-dry	1	8/2/2011 2:48:00 PM
Surr: 2,4,6-Tribromophenol	104	40-140		%REC	1	8/2/2011 2:48:00 PM
Surr: 2-Fluorobiphenyl	91.5	50-130		%REC	1	8/2/2011 2:48:00 PM
Surr: 2-Fluorophenol	108	40-140		%REC	1	8/2/2011 2:48:00 PM
Surr: Nitrobenzene-d5	82.5	50-130		%REC	1	8/2/2011 2:48:00 PM
Surr: Phenol-d6	89.6	50-140		%REC	1	8/2/2011 2:48:00 PM
Surr: p-Terphenyl	75.3	40-130		%REC	1	8/2/2011 2:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:15:00 AM

**Project:** Hytec

**Lab ID:** 1108004-001

**Matrix:** Soil

**Client Sample ID:** HETSP1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID 900 Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0587		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Chloromethane	ND	0.0587		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Vinyl chloride	ND	0.00196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Bromomethane	ND	0.0880		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Trichlorofluoromethane (CFC-11)	35.2	0.0489		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Chloroethane	ND	0.0587		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,1-Dichloroethene	ND	0.0489		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Methylene chloride	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
trans-1,2-Dichloroethene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,1-Dichloroethane	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
2,2-Dichloropropane	ND	0.0489		mg/Kg-dry	1	8/1/2011 8:55:00 PM
cis-1,2-Dichloroethene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Chloroform	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Trichloroethane (TCA)	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,1-Dichloropropene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Carbon tetrachloride	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2-Dichloroethane	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Benzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Trichloroethene (TCE)	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2-Dichloropropane	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Bromodichloromethane	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Dibromomethane	ND	0.0391		mg/Kg-dry	1	8/1/2011 8:55:00 PM
cis-1,3-Dichloropropene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Toluene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
trans-1,3-Dichloropropylene	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,1,2-Trichloroethane	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,3-Dichloropropane	ND	0.0489		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Tetrachloroethene (PCE)	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Dibromochloromethane	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2-Dibromoethane (EDB)	ND	0.00489		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Chlorobenzene	0.0704	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Ethylbenzene	0.0988	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
m,p-Xylene	0.0783	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
o-Xylene	0.0519	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:15:00 AM

**Project:** Hytec

**Lab ID:** 1108004-001

**Matrix:** Soil

**Client Sample ID:** HETSP1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID 900 Analyst: PH

Styrene	4.61	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Isopropylbenzene	0.141	0.0783		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Bromoform	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
n-Propylbenzene	0.0567	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Bromobenzene	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,3,5-Trimethylbenzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
2-Chlorotoluene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
4-Chlorotoluene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
tert-Butylbenzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2,3-Trichloropropane	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2,4-Trichlorobenzene	ND	0.0489		mg/Kg-dry	1	8/1/2011 8:55:00 PM
sec-Butylbenzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
4-Isopropyltoluene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,3-Dichlorobenzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,4-Dichlorobenzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
n-Butylbenzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2-Dichlorobenzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2,4-Trimethylbenzene	0.0303	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Hexachloro-1,3-butadiene	ND	0.0978		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Naphthalene	ND	0.0293		mg/Kg-dry	1	8/1/2011 8:55:00 PM
1,2,3-Trichlorobenzene	ND	0.0196		mg/Kg-dry	1	8/1/2011 8:55:00 PM
Surr: 1-Bromo-4-fluorobenzene	108	72-135		%REC	1	8/1/2011 8:55:00 PM
Surr: Dibromofluoromethane	101	75.1-135		%REC	1	8/1/2011 8:55:00 PM
Surr: Toluene-d8	104	76.5-134		%REC	1	8/1/2011 8:55:00 PM

**TCLP by EPA Method 1311**

Batch ID 904 Analyst: BR

Arsenic	ND	0.527		mg/L-dry	1	8/2/2011 5:00:00 PM
Barium	ND	5.27		mg/L-dry	1	8/2/2011 5:00:00 PM
Cadmium	ND	0.105		mg/L-dry	1	8/2/2011 5:00:00 PM
Chromium	ND	0.527		mg/L-dry	1	8/2/2011 5:00:00 PM
Lead	ND	0.527		mg/L-dry	1	8/2/2011 5:00:00 PM
Mercury	ND	0.264		mg/L-dry	1	8/2/2011 5:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank D Dilution was required  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not detected at the Reporting Limit  
 RL Reporting Limit S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/31/2011 9:15:00 AM

**Project:** Hytec

**Lab ID:** 1108004-001

**Matrix:** Soil

**Client Sample ID:** HETSP1

**Analyses**

Result	RL	Qual	Units	DF	Date Analyzed
--------	----	------	-------	----	---------------

**TCLP by EPA Method 1311**

Batch ID 904 Analyst: BR

Selenium	ND	1.05	mg/L-dry	1	8/2/2011 5:00:00 PM
Silver	ND	0.105	mg/L-dry	1	8/2/2011 5:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/31/2011 9:30:00 AM

**Project:** Hytec

**Lab ID:** 1108004-002

**Matrix:** Soil

**Client Sample ID:** HETSP2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID 901 Analyst: MD

Phenol	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Bis(2-chloroethyl) ether	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2-Chlorophenol	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
1,3-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
1,4-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
1,2-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Benzyl alcohol	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2-Methylphenol (o-cresol)	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Hexachloroethane	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
N-Nitrosodi-n-propylamine	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Nitrobenzene	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Isophorone	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
4-Methylphenol	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2-Nitrophenol	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2,4-Dimethylphenol	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Bis(2-chloroethoxy)methane	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2,4-Dichlorophenol	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
1,2,4-Trichlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Naphthalene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
4-Chloroaniline	ND	522		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Hexachlorobutadiene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
4-Chloro-3-methylphenol	ND	522		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2-Methylnaphthalene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
1-Methylnaphthalene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Hexachlorocyclopentadiene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2,4,6-Trichlorophenol	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2,4,5-Trichlorophenol	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2-Chloronaphthalene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2-Nitroaniline	ND	522		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Acenaphthene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Dimethylphthalate	34,900	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2,6-Dinitrotoluene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Acenaphthylene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
2,4-Dinitrophenol	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Dibenzofuran	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:30:00 AM

**Project:** Hytec

**Lab ID:** 1108004-002

**Matrix:** Soil

**Client Sample ID:** HETSP2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID 901 Analyst: MD

2,4-Dinitrotoluene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
4-Nitrophenol	ND	522		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Fluorene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
4-Chlorophenyl phenyl ether	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Diethylphthalate	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
4,6-Dinitro-2-methylphenol	ND	209		µg/Kg-dry	1	8/2/2011 3:10:00 PM
4-Bromophenyl phenyl ether	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Hexachlorobenzene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Pentachlorophenol	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Phenanthrene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Anthracene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Carbazole	ND	522		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Di-n-butylphthalate	665	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Fluoranthene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Pyrene	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Butyl Benzylphthalate	2,330	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
bis(2-Ethylhexyl)adipate	ND	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Benz (a) anthracene	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Chrysene	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
bis (2-Ethylhexyl) phthalate	856	104		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Di-n-octyl phthalate	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Benzo (b) fluoranthene	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Benzo (k) fluoranthene	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Benzo (a) pyrene	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Indeno (1,2,3-cd) pyrene	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Dibenz (a,h) anthracene	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Benzo (g,h,i) perylene	ND	83.5		µg/Kg-dry	1	8/2/2011 3:10:00 PM
Surr: 2,4,6-Tribromophenol	112	40-140		%REC	1	8/2/2011 3:10:00 PM
Surr: 2-Fluorobiphenyl	97.1	50-130		%REC	1	8/2/2011 3:10:00 PM
Surr: 2-Fluorophenol	103	40-140		%REC	1	8/2/2011 3:10:00 PM
Surr: Nitrobenzene-d5	96.7	50-130		%REC	1	8/2/2011 3:10:00 PM
Surr: Phenol-d6	94.9	50-140		%REC	1	8/2/2011 3:10:00 PM
Surr: p-Terphenyl	76.2	40-130		%REC	1	8/2/2011 3:10:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:30:00 AM

**Project:** Hytec

**Lab ID:** 1108004-002

**Matrix:** Soil

**Client Sample ID:** HETSP2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Volatile Organic Compounds by EPA Method 8260</b>						
				Batch ID	900	Analyst: PH
Dichlorodifluoromethane (CFC-12)	ND	0.0628		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Chloromethane	ND	0.0628		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Vinyl chloride	ND	0.00209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Bromomethane	ND	0.0943		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Trichlorofluoromethane (CFC-11)	27.8	0.0524		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Chloroethane	ND	0.0628		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,1-Dichloroethene	ND	0.0524		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Methylene chloride	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,1-Dichloroethane	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
2,2-Dichloropropane	ND	0.0524		mg/Kg-dry	1	8/1/2011 9:39:00 PM
cis-1,2-Dichloroethene	0.0257	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Chloroform	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Trichloroethane (TCA)	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,1-Dichloropropene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Carbon tetrachloride	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2-Dichloroethane	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Benzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Trichloroethene (TCE)	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2-Dichloropropane	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Bromodichloromethane	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Dibromomethane	ND	0.0419		mg/Kg-dry	1	8/1/2011 9:39:00 PM
cis-1,3-Dichloropropene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Toluene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
trans-1,3-Dichloropropylene	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,1,2-Trichloroethane	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,3-Dichloropropane	ND	0.0524		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Tetrachloroethene (PCE)	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Dibromochloromethane	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2-Dibromoethane (EDB)	ND	0.00524		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Chlorobenzene	0.0613	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Ethylbenzene	0.0765	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
m,p-Xylene	0.0707	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
o-Xylene	0.0827	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:30:00 AM

**Project:** Hytec

**Lab ID:** 1108004-002

**Matrix:** Soil

**Client Sample ID:** HETSP2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID 900 Analyst: PH

Styrene	2.92	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Isopropylbenzene	ND	0.0838		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Bromoform	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
n-Propylbenzene	0.0372	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Bromobenzene	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,3,5-Trimethylbenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
2-Chlorotoluene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
4-Chlorotoluene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
tert-Butylbenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2,3-Trichloropropane	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2,4-Trichlorobenzene	ND	0.0524		mg/Kg-dry	1	8/1/2011 9:39:00 PM
sec-Butylbenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
4-Isopropyltoluene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,3-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,4-Dichlorobenzene	0.0613	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
n-Butylbenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2,4-Trimethylbenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Hexachloro-1,3-butadiene	ND	0.105		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Naphthalene	ND	0.0314		mg/Kg-dry	1	8/1/2011 9:39:00 PM
1,2,3-Trichlorobenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 9:39:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	72-135		%REC	1	8/1/2011 9:39:00 PM
Surr: Dibromofluoromethane	100	75.1-135		%REC	1	8/1/2011 9:39:00 PM
Surr: Toluene-d8	104	76.5-134		%REC	1	8/1/2011 9:39:00 PM

**TCLP by EPA Method 1311**

Batch ID 904 Analyst: BR

Arsenic	ND	0.527		mg/L-dry	1	8/2/2011 5:00:00 PM
Barium	ND	5.27		mg/L-dry	1	8/2/2011 5:00:00 PM
Cadmium	ND	0.105		mg/L-dry	1	8/2/2011 5:00:00 PM
Chromium	ND	0.527		mg/L-dry	1	8/2/2011 5:00:00 PM
Lead	ND	0.527		mg/L-dry	1	8/2/2011 5:00:00 PM
Mercury	ND	0.263		mg/L-dry	1	8/2/2011 5:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank D Dilution was required  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not detected at the Reporting Limit  
 RL Reporting Limit S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 7/31/2011 9:30:00 AM

**Project:** Hytec

**Lab ID:** 1108004-002

**Matrix:** Soil

**Client Sample ID:** HETSP2

**Analyses**

Result	RL	Qual	Units	DF	Date Analyzed
--------	----	------	-------	----	---------------

**TCLP by EPA Method 1311**

Batch ID 904 Analyst: BR

Selenium	ND	1.05	mg/L-dry	1	8/2/2011 5:00:00 PM
Silver	ND	0.105	mg/L-dry	1	8/2/2011 5:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:44:00 AM

**Project:** Hytec

**Lab ID:** 1108004-003

**Matrix:** Soil

**Client Sample ID:** HETSP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID 901 Analyst: MD

Phenol	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Bis(2-chloroethyl) ether	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2-Chlorophenol	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
1,3-Dichlorobenzene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
1,4-Dichlorobenzene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
1,2-Dichlorobenzene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Benzyl alcohol	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2-Methylphenol (o-cresol)	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Hexachloroethane	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
N-Nitrosodi-n-propylamine	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Nitrobenzene	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Isophorone	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
4-Methylphenol	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2-Nitrophenol	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2,4-Dimethylphenol	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Bis(2-chloroethoxy)methane	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2,4-Dichlorophenol	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
1,2,4-Trichlorobenzene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Naphthalene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
4-Chloroaniline	ND	524		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Hexachlorobutadiene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
4-Chloro-3-methylphenol	ND	524		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2-Methylnaphthalene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
1-Methylnaphthalene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Hexachlorocyclopentadiene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2,4,6-Trichlorophenol	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2,4,5-Trichlorophenol	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2-Chloronaphthalene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2-Nitroaniline	ND	524		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Acenaphthene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Dimethylphthalate	19,800	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2,6-Dinitrotoluene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Acenaphthylene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
2,4-Dinitrophenol	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Dibenzofuran	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit  
 D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:44:00 AM

**Project:** Hytec

**Lab ID:** 1108004-003

**Matrix:** Soil

**Client Sample ID:** HETSP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Semi-Volatile Organic Compounds by EPA Method 8270</b>				Batch ID	901	Analyst: MD
2,4-Dinitrotoluene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
4-Nitrophenol	ND	524		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Fluorene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
4-Chlorophenyl phenyl ether	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Diethylphthalate	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
4,6-Dinitro-2-methylphenol	ND	209		µg/Kg-dry	1	8/2/2011 4:16:00 PM
4-Bromophenyl phenyl ether	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Hexachlorobenzene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Pentachlorophenol	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Phenanthrene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Anthracene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Carbazole	ND	524		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Di-n-butylphthalate	561	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Fluoranthene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Pyrene	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Butyl Benzylphthalate	3,190	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
bis(2-Ethylhexyl)adipate	ND	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Benz (a) anthracene	ND	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Chrysene	ND	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
bis (2-Ethylhexyl) phthalate	1,250	105		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Di-n-octyl phthalate	140	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Benzo (b) fluoranthene	ND	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Benzo (k) fluoranthene	ND	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Benzo (a) pyrene	ND	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Indeno (1,2,3-cd) pyrene	ND	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Dibenz (a,h) anthracene	ND	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Benzo (g,h,i) perylene	ND	83.8		µg/Kg-dry	1	8/2/2011 4:16:00 PM
Surr: 2,4,6-Tribromophenol	132	40-140		%REC	1	8/2/2011 4:16:00 PM
Surr: 2-Fluorobiphenyl	119	50-130		%REC	1	8/2/2011 4:16:00 PM
Surr: 2-Fluorophenol	114	40-140		%REC	1	8/2/2011 4:16:00 PM
Surr: Nitrobenzene-d5	105	50-130		%REC	1	8/2/2011 4:16:00 PM
Surr: Phenol-d6	106	50-140		%REC	1	8/2/2011 4:16:00 PM
Surr: p-Terphenyl	91.8	40-130		%REC	1	8/2/2011 4:16:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:44:00 AM

**Project:** Hytec

**Lab ID:** 1108004-003

**Matrix:** Soil

**Client Sample ID:** HETSP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID 900 Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0628		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Chloromethane	ND	0.0628		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Vinyl chloride	ND	0.00209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Bromomethane	ND	0.0942		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Trichlorofluoromethane (CFC-11)	26.3	0.0523		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Chloroethane	ND	0.0628		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,1-Dichloroethene	ND	0.0523		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Methylene chloride	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,1-Dichloroethane	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
2,2-Dichloropropane	ND	0.0523		mg/Kg-dry	1	8/1/2011 10:23:00 PM
cis-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Chloroform	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Trichloroethane (TCA)	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,1-Dichloropropene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Carbon tetrachloride	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2-Dichloroethane	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Benzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Trichloroethene (TCE)	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2-Dichloropropane	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Bromodichloromethane	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Dibromomethane	ND	0.0419		mg/Kg-dry	1	8/1/2011 10:23:00 PM
cis-1,3-Dichloropropene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Toluene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
trans-1,3-Dichloropropylene	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,1,2-Trichloroethane	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,3-Dichloropropane	ND	0.0523		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Tetrachloroethene (PCE)	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Dibromochloromethane	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2-Dibromoethane (EDB)	ND	0.00523		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Chlorobenzene	0.0534	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Ethylbenzene	0.304	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
m,p-Xylene	0.310	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
o-Xylene	0.249	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:44:00 AM

**Project:** Hytec

**Lab ID:** 1108004-003

**Matrix:** Soil

**Client Sample ID:** HETSP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID 900 Analyst: PH

Styrene	7.84	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Isopropylbenzene	0.318	0.0837		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Bromoform	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
n-Propylbenzene	0.184	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Bromobenzene	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,3,5-Trimethylbenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
2-Chlorotoluene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
4-Chlorotoluene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
tert-Butylbenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2,3-Trichloropropane	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2,4-Trichlorobenzene	ND	0.0523		mg/Kg-dry	1	8/1/2011 10:23:00 PM
sec-Butylbenzene	0.0591	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
4-Isopropyltoluene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,3-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,4-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
n-Butylbenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2,4-Trimethylbenzene	0.0429	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Hexachloro-1,3-butadiene	ND	0.105		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Naphthalene	ND	0.0314		mg/Kg-dry	1	8/1/2011 10:23:00 PM
1,2,3-Trichlorobenzene	ND	0.0209		mg/Kg-dry	1	8/1/2011 10:23:00 PM
Surr: 1-Bromo-4-fluorobenzene	110	72-135		%REC	1	8/1/2011 10:23:00 PM
Surr: Dibromofluoromethane	103	75.1-135		%REC	1	8/1/2011 10:23:00 PM
Surr: Toluene-d8	103	76.5-134		%REC	1	8/1/2011 10:23:00 PM

**TCLP by EPA Method 1311**

Batch ID 904 Analyst: BR

Arsenic	ND	0.528		mg/L-dry	1	8/2/2011 5:00:00 PM
Barium	ND	5.28		mg/L-dry	1	8/2/2011 5:00:00 PM
Cadmium	ND	0.106		mg/L-dry	1	8/2/2011 5:00:00 PM
Chromium	ND	0.528		mg/L-dry	1	8/2/2011 5:00:00 PM
Lead	ND	0.528		mg/L-dry	1	8/2/2011 5:00:00 PM
Mercury	ND	0.264		mg/L-dry	1	8/2/2011 5:00:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/31/2011 9:44:00 AM

**Project:** Hytec

**Lab ID:** 1108004-003

**Matrix:** Soil

**Client Sample ID:** HETSP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**TCLP by EPA Method 1311**

Batch ID 904 Analyst: BR

Selenium	ND	1.06		mg/L-dry	1	8/2/2011 5:00:00 PM
Silver	ND	0.106		mg/L-dry	1	8/2/2011 5:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:57:00 AM

**Project:** Hytec

**Lab ID:** 1108004-004

**Matrix:** Soil

**Client Sample ID:** HETSP4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID 901 Analyst: MD

Phenol	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Bis(2-chloroethyl) ether	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2-Chlorophenol	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
1,3-Dichlorobenzene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
1,4-Dichlorobenzene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
1,2-Dichlorobenzene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Benzyl alcohol	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2-Methylphenol (o-cresol)	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Hexachloroethane	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
N-Nitrosodi-n-propylamine	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Nitrobenzene	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Isophorone	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
4-Methylphenol	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2-Nitrophenol	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2,4-Dimethylphenol	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Bis(2-chloroethoxy)methane	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2,4-Dichlorophenol	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
1,2,4-Trichlorobenzene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Naphthalene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
4-Chloroaniline	ND	516		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Hexachlorobutadiene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
4-Chloro-3-methylphenol	ND	516		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2-Methylnaphthalene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
1-Methylnaphthalene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Hexachlorocyclopentadiene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2,4,6-Trichlorophenol	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2,4,5-Trichlorophenol	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2-Chloronaphthalene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2-Nitroaniline	ND	516		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Acenaphthene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Dimethylphthalate	28,400	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2,6-Dinitrotoluene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Acenaphthylene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
2,4-Dinitrophenol	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Dibenzofuran	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank D Dilution was required  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not detected at the Reporting Limit  
 RL Reporting Limit S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:57:00 AM

**Project:** Hytec

**Lab ID:** 1108004-004

**Matrix:** Soil

**Client Sample ID:** HETSP4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>Semi-Volatile Organic Compounds by EPA Method 8270</b>						
				Batch ID	901	Analyst: MD
2,4-Dinitrotoluene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
4-Nitrophenol	ND	516		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Fluorene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
4-Chlorophenyl phenyl ether	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Diethylphthalate	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
4,6-Dinitro-2-methylphenol	ND	206		µg/Kg-dry	1	8/2/2011 4:37:00 PM
4-Bromophenyl phenyl ether	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Hexachlorobenzene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Pentachlorophenol	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Phenanthrene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Anthracene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Carbazole	ND	516		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Di-n-butylphthalate	448	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Fluoranthene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Pyrene	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Butyl Benzylphthalate	2,230	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
bis(2-Ethylhexyl)adipate	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Benz (a) anthracene	ND	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Chrysene	ND	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
bis (2-Ethylhexyl) phthalate	ND	103		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Di-n-octyl phthalate	1,530	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Benzo (b) fluoranthene	ND	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Benzo (k) fluoranthene	ND	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Benzo (a) pyrene	ND	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Indeno (1,2,3-cd) pyrene	ND	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Dibenz (a,h) anthracene	ND	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Benzo (g,h,i) perylene	ND	82.5		µg/Kg-dry	1	8/2/2011 4:37:00 PM
Surr: 2,4,6-Tribromophenol	95.1	40-140		%REC	1	8/2/2011 4:37:00 PM
Surr: 2-Fluorobiphenyl	72.5	50-130		%REC	1	8/2/2011 4:37:00 PM
Surr: 2-Fluorophenol	74.2	40-140		%REC	1	8/2/2011 4:37:00 PM
Surr: Nitrobenzene-d5	77.4	50-130		%REC	1	8/2/2011 4:37:00 PM
Surr: Phenol-d6	73.0	50-140		%REC	1	8/2/2011 4:37:00 PM
Surr: p-Terphenyl	114	40-130		%REC	1	8/2/2011 4:37:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:57:00 AM

**Project:** Hytec

**Lab ID:** 1108004-004

**Matrix:** Soil

**Client Sample ID:** HETSP4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID 900 Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0595		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Chloromethane	ND	0.0595		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Vinyl chloride	ND	0.00198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Bromomethane	ND	0.0892		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Trichlorofluoromethane (CFC-11)	30.5	0.0496		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Chloroethane	ND	0.0595		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,1-Dichloroethene	ND	0.0496		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Methylene chloride	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
trans-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,1-Dichloroethane	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
2,2-Dichloropropane	ND	0.0496		mg/Kg-dry	1	8/1/2011 10:44:00 PM
cis-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Chloroform	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Trichloroethane (TCA)	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,1-Dichloropropene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Carbon tetrachloride	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2-Dichloroethane	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Benzene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Trichloroethene (TCE)	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2-Dichloropropane	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Bromodichloromethane	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Dibromomethane	ND	0.0396		mg/Kg-dry	1	8/1/2011 10:44:00 PM
cis-1,3-Dichloropropene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Toluene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
trans-1,3-Dichloropropylene	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,1,2-Trichloroethane	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,3-Dichloropropane	ND	0.0496		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Tetrachloroethene (PCE)	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Dibromochloromethane	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2-Dibromoethane (EDB)	ND	0.00496		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Chlorobenzene	0.0570	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Ethylbenzene	0.0758	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
m,p-Xylene	0.0694	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
o-Xylene	0.0471	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108004

Date Reported: 8/3/2011

**Client:** Calibre

**Collection Date:** 7/31/2011 9:57:00 AM

**Project:** Hytec

**Lab ID:** 1108004-004

**Matrix:** Soil

**Client Sample ID:** HETSP4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID 900 Analyst: PH

Styrene	3.78	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Isopropylbenzene	0.121	0.0793		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Bromoform	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
n-Propylbenzene	0.0605	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Bromobenzene	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,3,5-Trimethylbenzene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
2-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
4-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
tert-Butylbenzene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2,3-Trichloropropane	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2,4-Trichlorobenzene	ND	0.0496		mg/Kg-dry	1	8/1/2011 10:44:00 PM
sec-Butylbenzene	0.0278	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
4-Isopropyltoluene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,3-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,4-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
n-Butylbenzene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2,4-Trimethylbenzene	0.0243	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Hexachloro-1,3-butadiene	ND	0.0991		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Naphthalene	ND	0.0297		mg/Kg-dry	1	8/1/2011 10:44:00 PM
1,2,3-Trichlorobenzene	ND	0.0198		mg/Kg-dry	1	8/1/2011 10:44:00 PM
Surr: 1-Bromo-4-fluorobenzene	93.7	72-135		%REC	1	8/1/2011 10:44:00 PM
Surr: Dibromofluoromethane	104	75.1-135		%REC	1	8/1/2011 10:44:00 PM
Surr: Toluene-d8	102	76.5-134		%REC	1	8/1/2011 10:44:00 PM

**TCLP by EPA Method 1311**

Batch ID 904 Analyst: BR

Arsenic	ND	0.536		mg/L-dry	1	8/2/2011 5:00:00 PM
Barium	ND	5.36		mg/L-dry	1	8/2/2011 5:00:00 PM
Cadmium	ND	0.107		mg/L-dry	1	8/2/2011 5:00:00 PM
Chromium	ND	0.536		mg/L-dry	1	8/2/2011 5:00:00 PM
Lead	ND	0.536		mg/L-dry	1	8/2/2011 5:00:00 PM
Mercury	ND	0.268		mg/L-dry	1	8/2/2011 5:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank D Dilution was required  
 E Value above quantitation range H Holding times for preparation or analysis exceeded  
 J Analyte detected below quantitation limits ND Not detected at the Reporting Limit  
 RL Reporting Limit S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/31/2011 9:57:00 AM

**Project:** Hytec

**Lab ID:** 1108004-004

**Matrix:** Soil

**Client Sample ID:** HETSP4

**Analyses**

Result	RL	Qual	Units	DF	Date Analyzed
--------	----	------	-------	----	---------------

**TCLP by EPA Method 1311**

Batch ID 904 Analyst: BR

Selenium	ND	1.07	mg/L-dry	1	8/2/2011 5:00:00 PM
Silver	ND	0.107	mg/L-dry	1	8/2/2011 5:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108004

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**

**TCLP by EPA Method 1311**

Sample ID: <b>MB-904</b>	SampType: <b>MBLK</b>	Units: <b>mg/L</b>	Prep Date: <b>8/2/2011</b>	RunNo: <b>1440</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>904</b>		Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25890</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.500									
Barium	ND	5.00									
Cadmium	ND	0.100									
Chromium	ND	0.500									
Lead	ND	0.500									
Mercury	ND	0.250									
Selenium	ND	1.00									
Silver	ND	0.100									

Sample ID: <b>LCS-904</b>	SampType: <b>LCS</b>	Units: <b>mg/L</b>	Prep Date: <b>8/2/2011</b>	RunNo: <b>1440</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>904</b>		Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25891</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	22.0	0.500	25.00	0	88.0	65	135				
Barium	17.0	5.00	25.00	0	67.9	65	135				
Cadmium	19.4	0.100	25.00	0	77.5	65	135				
Chromium	23.5	0.500	25.00	0	93.9	65	135				
Lead	26.4	0.500	25.00	0	106	65	135				
Mercury	0.518	0.250	0.5000	0	104	65	135				
Selenium	2.01	1.00	2.500	0	80.4	65	135				
Silver	0.238	0.100	0.2500	0	95.2	65	135				

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 8/3/2011

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**

**TCLP by EPA Method 1311**

Sample ID: <b>1108004-001ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/L-dry</b>			Prep Date: <b>8/2/2011</b>	RunNo: <b>1440</b>					
Client ID: <b>HETSP1</b>	Batch ID: <b>904</b>				Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25893</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.527						0	0	30	
Barium	ND	5.27						0	0	30	
Cadmium	ND	0.105						0	0	30	
Chromium	ND	0.527						0	0	30	
Lead	ND	0.527						0	0	20	
Mercury	ND	0.264						0	0	20	
Selenium	ND	1.05						0	0	20	
Silver	ND	0.105						0	0	20	

Sample ID: <b>1108004-001AMS</b>	SampType: <b>MS</b>	Units: <b>mg/L-dry</b>			Prep Date: <b>8/2/2011</b>	RunNo: <b>1440</b>					
Client ID: <b>HETSP1</b>	Batch ID: <b>904</b>				Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25894</b>					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	28.9	0.527	26.37	0	109	65	135				
Barium	26.3	5.27	26.37	3.360	87.0	65	135				
Cadmium	29.9	0.105	26.37	0	113	65	135				
Chromium	29.2	0.527	26.37	0.1305	110	65	135				
Lead	33.6	0.527	26.37	0	127	65	135				
Mercury	0.554	0.264	0.5273	0	105	65	135				
Selenium	2.61	1.05	2.637	0	98.8	65	135				
Silver	1.02	0.105	1.318	0	77.7	65	135				

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 8/3/2011

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**

**TCLP by EPA Method 1311**

Sample ID: <b>1108004-001AMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/L-dry</b>	Prep Date: <b>8/2/2011</b>	RunNo: <b>1440</b>
Client ID: <b>HETSP1</b>	Batch ID: <b>904</b>	Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25895</b>	

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	27.7	0.527	26.37	0	105	65	135	28.85	4.05	30	
Barium	25.0	5.27	26.37	3.360	82.2	65	135	26.30	4.97	30	
Cadmium	29.2	0.105	26.37	0	111	65	135	29.85	2.06	30	
Chromium	27.8	0.527	26.37	0.1305	105	65	135	29.20	4.90	30	
Lead	32.6	0.527	26.37	0	124	65	135	33.59	2.84	30	
Mercury	0.505	0.264	0.5273	0	95.7	65	135	0.5544	9.37	30	
Selenium	2.49	1.05	2.637	0	94.3	65	135	2.606	4.71	30	
Silver	1.01	0.105	1.318	0	76.3	65	135	1.025	1.85	30	

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-901</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1439</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>901</b>		Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25905</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	200									
Bis(2-chloroethyl) ether	ND	200									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	100									
1,4-Dichlorobenzene	ND	100									
1,2-Dichlorobenzene	ND	100									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									
Nitrobenzene	ND	200									
Isophorone	ND	100									
4-Methylphenol	ND	100									
2-Nitrophenol	ND	200									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	100									
2,4-Dichlorophenol	ND	200									
1,2,4-Trichlorobenzene	ND	100									
Naphthalene	ND	100									
4-Chloroaniline	ND	500									
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-901</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1439</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>901</b>		Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25905</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-901</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1439</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>901</b>		Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25905</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									
Surr: 2,4,6-Tribromophenol	4,090		4,000		102	40	140				
Surr: 2-Fluorobiphenyl	1,980		2,000		99.0	50	130				
Surr: 2-Fluorophenol	4,150		4,000		104	40	140				
Surr: Nitrobenzene-d5	1,780		2,000		88.8	50	130				
Surr: Phenol-d6	3,620		4,000		90.5	50	140				
Surr: p-Terphenyl	1,800		2,000		89.9	40	130				

Sample ID: <b>LCS-901</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1439</b>
Client ID: <b>LCSS</b>	Batch ID: <b>901</b>		Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25906</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	2,890	200	4,000	0	72.1	40	140				
2-Chlorophenol	3,000	100	4,000	0	75.1	40	140				
1,4-Dichlorobenzene	1,600	100	2,000	0	80.1	50	130				
N-Nitrosodi-n-propylamine	1,230	100	2,000	0	61.6	50	130				
1,2,4-Trichlorobenzene	1,280	100	2,000	0	63.8	50	130				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID:	SampType:	Units:	Prep Date:	RunNo:							
LCS-901	LCS	µg/Kg	8/1/2011	1439							
Client ID:	Batch ID:		Analysis Date:	SeqNo:							
LCSS	901		8/2/2011	25906							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	3,040	500	4,000	0	76.0	40	140				
Acenaphthene	1,530	100	2,000	0	76.4	50	130				
2,4-Dinitrotoluene	1,270	100	2,000	0	63.4	50	130				
Pentachlorophenol	2,920	100	4,000	0	73.0	40	140				
Pyrene	1,480	100	2,000	0	73.8	50	130				
Surr: 2,4,6-Tribromophenol	3,620		4,000		90.5	40	140				
Surr: 2-Fluorobiphenyl	1,760		2,000		87.9	50	130				
Surr: 2-Fluorophenol	3,910		4,000		97.7	40	140				
Surr: Nitrobenzene-d5	1,540		2,000		76.9	50	130				
Surr: Phenol-d6	3,230		4,000		80.7	50	140				
Surr: p-Terphenyl	1,720		2,000		85.8	40	130				

Sample ID:	SampType:	Units:	Prep Date:	RunNo:							
1108004-002ADUP	DUP	µg/Kg-dry	8/1/2011	1439							
Client ID:	Batch ID:		Analysis Date:	SeqNo:							
HETSP2	901		8/2/2011	25909							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	209						0	0	30	
Bis(2-chloroethyl) ether	ND	209						0	0	30	
2-Chlorophenol	ND	104						0	0	30	
1,3-Dichlorobenzene	ND	104						0	0	30	
1,4-Dichlorobenzene	ND	104						0	0	30	
1,2-Dichlorobenzene	ND	104						0	0	30	
Benzyl alcohol	ND	104						0	0	30	
2-Methylphenol (o-cresol)	ND	104						0	0	30	
Hexachloroethane	ND	104						0	0	30	
N-Nitrosodi-n-propylamine	ND	104						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID:	1108004-002ADUP	SampType:	DUP	Units:	µg/Kg-dry	Prep Date:	8/1/2011	RunNo:	1439		
Client ID:	HETSP2	Batch ID:	901	Analysis Date:	8/2/2011	SeqNo:	25909				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	ND	209						0	0	30	
Isophorone	ND	104						0	0	30	
4-Methylphenol	ND	104						0	0	30	
2-Nitrophenol	ND	209						0	0	30	
2,4-Dimethylphenol	ND	104						0	0	30	
Bis(2-chloroethoxy)methane	ND	104						0	0	30	
2,4-Dichlorophenol	ND	209						0	0	30	
1,2,4-Trichlorobenzene	ND	104						0	0	30	
Naphthalene	ND	104						0	0	30	
4-Chloroaniline	ND	522						0	0	30	
Hexachlorobutadiene	ND	104						0	0	30	
4-Chloro-3-methylphenol	ND	522						0	0	30	
2-Methylnaphthalene	ND	104						0	0	30	
1-Methylnaphthalene	ND	104						0	0	30	
Hexachlorocyclopentadiene	ND	104						0	0	30	
2,4,6-Trichlorophenol	ND	209						0	0	30	
2,4,5-Trichlorophenol	ND	209						0	0	30	
2-Chloronaphthalene	ND	104						0	0	30	
2-Nitroaniline	ND	522						0	0	30	
Acenaphthene	ND	104						0	0	30	
Dimethylphthalate	36,900	104						34,870	5.57	30	
2,6-Dinitrotoluene	ND	104						0	0	30	
Acenaphthylene	ND	104						0	0	30	
2,4-Dinitrophenol	ND	209						0	0	30	
Dibenzofuran	ND	104						0	0	30	
2,4-Dinitrotoluene	ND	104						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 8/3/2011

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1108004-002ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 8/1/2011	RunNo: 1439							
Client ID: HETSP2	Batch ID: 901		Analysis Date: 8/2/2011	SeqNo: 25909							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	522						0	0	30	
Fluorene	ND	104						0	0	30	
4-Chlorophenyl phenyl ether	ND	104						0	0	30	
Diethylphthalate	ND	104						0	0	30	
4,6-Dinitro-2-methylphenol	ND	209						0	0	30	
4-Bromophenyl phenyl ether	ND	104						0	0	30	
Hexachlorobenzene	ND	104						0	0	30	
Pentachlorophenol	ND	104						0	0	30	
Phenanthrene	ND	104						0	0	30	
Anthracene	ND	104						0	0	30	
Carbazole	ND	522						0	0	30	
Di-n-butylphthalate	644	104						665.3	3.22	30	
Fluoranthene	ND	104						0	0	30	
Pyrene	ND	104						0	0	30	
Butyl Benzylphthalate	2,210	104						2,329	5.11	30	
bis(2-Ethylhexyl)adipate	ND	104						0	0	30	
Benz (a) anthracene	ND	83.5						0	0	30	
Chrysene	ND	83.5						0	0	30	
bis (2-Ethylhexyl) phthalate	732	104						856.4	15.6	30	
Di-n-octyl phthalate	ND	83.5						0	0	30	
Benzo (b) fluoranthene	ND	83.5						0	0	30	
Benzo (k) fluoranthene	ND	83.5						0	0	30	
Benzo (a) pyrene	ND	83.5						0	0	30	
Indeno (1,2,3-cd) pyrene	ND	83.5						0	0	30	
Dibenz (a,h) anthracene	ND	83.5						0	0	30	
Benzo (g,h,i) perylene	ND	83.5						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108004-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1439</b>							
Client ID: <b>HETSP2</b>	Batch ID: <b>901</b>		Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25909</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	4,800		4,173		115	40	140		0		
Surr: 2-Fluorobiphenyl	2,110		2,086		101	50	130		0		
Surr: 2-Fluorophenol	4,160		4,173		99.6	40	140		0		
Surr: Nitrobenzene-d5	2,060		2,086		98.8	50	130		0		
Surr: Phenol-d6	3,870		4,173		92.8	50	140		0		
Surr: p-Terphenyl	1,570		2,086		75.5	40	130		0		

Sample ID: <b>1108004-002AMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1439</b>							
Client ID: <b>HETSP2</b>	Batch ID: <b>901</b>		Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25910</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	3,240	209	4,185	0	77.5	40	140				
2-Chlorophenol	3,410	105	4,185	0	81.6	40	140				
1,4-Dichlorobenzene	1,670	105	2,093	0	79.6	50	130				
N-Nitrosodi-n-propylamine	1,520	105	2,093	0	72.4	50	130				
1,2,4-Trichlorobenzene	1,490	105	2,093	0	71.1	50	130				
4-Chloro-3-methylphenol	4,130	523	4,185	0	98.7	40	140				
Acenaphthene	1,830	105	2,093	0	87.2	50	130				
2,4-Dinitrotoluene	1,710	105	2,093	0	81.7	50	130				
Pentachlorophenol	3,940	105	4,185	0	94.0	40	140				
Pyrene	1,360	105	2,093	0	65.2	50	130				
Surr: 2,4,6-Tribromophenol	4,750		4,185		113	40	140				
Surr: 2-Fluorobiphenyl	2,100		2,093		100	50	130				
Surr: 2-Fluorophenol	3,910		4,185		93.4	40	140				
Surr: Nitrobenzene-d5	1,900		2,093		90.7	50	130				
Surr: Phenol-d6	3,670		4,185		87.8	50	140				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**

**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1108004-002AMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1439</b>							
Client ID: <b>HETSP2</b>	Batch ID: <b>901</b>	Analysis Date: <b>8/2/2011</b>	SeqNo: <b>25910</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	1,530		2,093		73.0	40	130				

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-900</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1434</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>900</b>		Analysis Date: <b>8/1/2011</b>	SeqNo: <b>25827</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-900</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1434</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>900</b>		Analysis Date: <b>8/1/2011</b>	SeqNo: <b>25827</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108004

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-900</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1434</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>900</b>		Analysis Date: <b>8/1/2011</b>	SeqNo: <b>25827</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.506		0.5000		101	72	135				
Surr: Dibromofluoromethane	0.521		0.5000		104	75.1	135				
Surr: Toluene-d8	0.505		0.5000		101	76.5	134				

Sample ID: <b>LCS-900</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1434</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>900</b>		Analysis Date: <b>8/1/2011</b>	SeqNo: <b>25828</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.466	0.0500	0.5000	0	93.1	65	135				
Benzene	0.487	0.0200	0.5000	0	97.3	72.4	128				
Trichloroethene (TCE)	0.489	0.0300	0.5000	0	97.8	65.7	135				
Toluene	0.482	0.0200	0.5000	0	96.4	70.8	131				
Chlorobenzene	0.492	0.0200	0.5000	0	98.5	65	134				
Surr: 1-Bromo-4-fluorobenzene	0.502		0.5000		100	72	135				
Surr: Dibromofluoromethane	0.502		0.5000		100	75.1	135				
Surr: Toluene-d8	0.495		0.5000		99.0	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0587						0	0	30	
Chloromethane	ND	0.0587						0	0	30	
Vinyl chloride	ND	0.00196						0	0	30	
Bromomethane	ND	0.0880						0	0	30	
Trichlorofluoromethane (CFC-11)	33.2	0.0489						35.22	6.03	30	
Chloroethane	ND	0.0587						0	0	30	
1,1-Dichloroethene	ND	0.0489						0	0	30	
Methylene chloride	ND	0.0196						0	0	30	
trans-1,2-Dichloroethene	ND	0.0196						0	0	30	
1,1-Dichloroethane	ND	0.0196						0	0	30	
2,2-Dichloropropane	ND	0.0489						0	0	30	
cis-1,2-Dichloroethene	ND	0.0196						0	0	30	
Chloroform	ND	0.0196						0	0	30	
Trichloroethane (TCA)	ND	0.0196						0	0	30	
1,1-Dichloropropene	ND	0.0196						0	0	30	
Carbon tetrachloride	ND	0.0196						0	0	30	
1,2-Dichloroethane	ND	0.0293						0	0	30	
Benzene	ND	0.0196						0	0	30	
Trichloroethene (TCE)	ND	0.0293						0	0	30	
1,2-Dichloropropane	ND	0.0196						0	0	30	
Bromodichloromethane	ND	0.0196						0	0	30	
Dibromomethane	ND	0.0391						0	0	30	
cis-1,3-Dichloropropene	ND	0.0196						0	0	30	
Toluene	ND	0.0196						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0293						0	0	30	
1,1,2-Trichloroethane	ND	0.0293						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1108004-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/1/2011	RunNo: 1434							
Client ID: HETSP1	Batch ID: 900		Analysis Date: 8/1/2011	SeqNo: 25830							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0489						0	0	30	
Tetrachloroethene (PCE)	ND	0.0196						0	0	30	
Dibromochloromethane	ND	0.0293						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00489						0	0	30	
Chlorobenzene	0.0709	0.0196						0.07044	0.692	30	
1,1,1,2-Tetrachloroethane	ND	0.0293						0	0	30	
Ethylbenzene	0.0978	0.0293						0.09881	0.995	30	
m,p-Xylene	0.0714	0.0196						0.07827	9.15	30	
o-Xylene	0.0450	0.0196						0.05185	14.1	30	
Styrene	4.48	0.0196						4.605	2.66	30	
Isopropylbenzene	0.134	0.0783						0.1409	5.35	30	
Bromoform	ND	0.0196						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0196						0	0	30	
n-Propylbenzene	0.0597	0.0196						0.05674	5.04	30	
Bromobenzene	ND	0.0293						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0196						0	0	30	
2-Chlorotoluene	ND	0.0196						0	0	30	
4-Chlorotoluene	ND	0.0196						0	0	30	
tert-Butylbenzene	ND	0.0196						0	0	30	
1,2,3-Trichloropropane	ND	0.0196						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0489						0	0	30	
sec-Butylbenzene	ND	0.0196						0	0	30	
4-Isopropyltoluene	ND	0.0196						0	0	30	
1,3-Dichlorobenzene	ND	0.0196						0	0	30	
1,4-Dichlorobenzene	ND	0.0196						0	0	30	
n-Butylbenzene	ND	0.0196						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108004

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1108004-001BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1434</b>							
Client ID: <b>HETSP1</b>	Batch ID: <b>900</b>		Analysis Date: <b>8/1/2011</b>	SeqNo: <b>25830</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	0.0196						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0293						0	0	30	
1,2,4-Trimethylbenzene	0.0308	0.0196						0.03033	1.60	30	
Hexachloro-1,3-butadiene	ND	0.0978						0	0	30	
Naphthalene	ND	0.0293						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0196						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.564		0.4892		115	72	135		0		
Surr: Dibromofluoromethane	0.522		0.4892		107	75.1	135		0		
Surr: Toluene-d8	0.524		0.4892		107	76.5	134		0		

Sample ID: <b>1108004-002BMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/1/2011</b>	RunNo: <b>1434</b>							
Client ID: <b>HETSP2</b>	Batch ID: <b>900</b>		Analysis Date: <b>8/1/2011</b>	SeqNo: <b>25832</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.397	0.0524	0.5237	0	75.8	65	135				
Benzene	0.465	0.0209	0.5237	0	88.8	65	135				
Trichloroethene (TCE)	0.452	0.0314	0.5237	0	86.3	65	135				
Toluene	0.469	0.0209	0.5237	0	89.6	65	135				
Chlorobenzene	0.501	0.0209	0.5237	0.06127	84.0	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.563		0.5237		108	72	135				
Surr: Dibromofluoromethane	0.527		0.5237		101	75.1	135				
Surr: Toluene-d8	0.547		0.5237		105	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

# Chain of Custody Record



1131 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Laboratory Project No (internal): **1108064**  
Page: 1 of 1

Client: Calibre  
Address: 16935 SE 38th St  
City, State, Zip: Bellevue WA  
Tel: 425 643 4634

Project Name: Hytec  
Location:  
Collected by:

Reports To (PM): Tom McKoon Email: ON FILE Project No: 10308000-001

Justin Nute  
VOC (EPA 8260) EPA 8260  
Gasoline Range Organics EPA 8021a  
Hydrocarbon Identification (HCID)  
Distill/heavy Oil Range Organics  
SEM Vol (EPA 8270)  
PAH (EPA 8270 SIM)  
PCMs (EPA 8082)  
Chlorinated Hydrocarbons (EPA 8081)  
Chlorinated Solvents (EPA 8151A)  
Metals \* (6020 / 200.8)  
Total (T) Dissolved (D)  
Anions (IC)\*\*

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	Gasoline Range Organics	Hydrocarbon Identification (HCID)	Distill/heavy Oil Range Organics	SEM Vol (EPA 8270)	PAH (EPA 8270 SIM)	PCMs (EPA 8082)	Chlorinated Hydrocarbons (EPA 8081)	Chlorinated Solvents (EPA 8151A)	Metals * (6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	Comments/Depth
1 HETSP 1	7/31	0915	S	X		X	X	X	X	X	X	X	X	X	X	2 days turnaround
2 HETSP 2	7/31	0930	S	X		X	X	X	X	X	X	X	X	X	X	
3 HETSP 3	7/31	0944	S	X		X	X	X	X	X	X	X	X	X	X	
4 HETSP 4	7/31	0957	S	X		X	X	X	X	X	X	X	X	X	X	
5																
6																
7																
8																
9																
10																

\*Metals Analysis (Circle): MTCA-5 RCRA-3 Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished X Date/Time: Tom McKoon 8/1 1:40 pm Received X Date/Time: [Signature] 8/11 1340

Relinquished X Date/Time: Received X Date/Time: TAT -> Next Day 2 Day 3 Day 5TD



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1108010**

August 05, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 9 sample(s) on 8/3/2011 for the analyses presented in the following report.

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 6020***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Justin Neste



Date: 08/05/2011

---

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1108010

---

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1108010-001	HE-01-080211	08/02/2011 3:00 PM	08/03/2011 8:30 AM
1108010-002	HE-02-080211	08/02/2011 3:05 PM	08/03/2011 8:30 AM
1108010-003	HE-03-080211	08/02/2011 3:10 PM	08/03/2011 8:30 AM
1108010-004	HE-04-080211	08/02/2011 3:15 PM	08/03/2011 8:30 AM
1108010-005	HE-05-080211	08/02/2011 3:20 PM	08/03/2011 8:30 AM
1108010-006	HE-06-080211	08/02/2011 3:25 PM	08/03/2011 8:30 AM
1108010-007	HE-07-080211	08/02/2011 3:30 PM	08/03/2011 8:30 AM
1108010-008	HE-08-080211	08/02/2011 3:35 PM	08/03/2011 8:30 AM
1108010-009	DUP 1	08/02/2011 9:00 AM	08/03/2011 8:30 AM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Calibre

**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.





# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1108010-001

**Matrix:** Soil

**Client Sample ID:** HE-01-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Bis(2-chloroethyl) ether	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Benzyl alcohol	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Nitrobenzene	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Isophorone	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
4-Methylphenol	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2-Nitrophenol	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2,4-Dichlorophenol	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Naphthalene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
4-Chloroaniline	ND	512		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
4-Chloro-3-methylphenol	ND	512		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2,4,6-Trichlorophenol	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2,4,5-Trichlorophenol	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2-Nitroaniline	ND	512		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Acenaphthene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Dimethylphthalate	3,260	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Acenaphthylene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
2,4-Dinitrophenol	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Dibenzofuran	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1108010-001

**Matrix:** Soil

**Client Sample ID:** HE-01-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
4-Nitrophenol	ND	512		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Fluorene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Diethylphthalate	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
4,6-Dinitro-2-methylphenol	ND	205		µg/Kg-dry	1	8/4/2011 8:33:00 PM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Pentachlorophenol	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Phenanthrene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Anthracene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Carbazole	ND	512		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Di-n-butylphthalate	155	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Fluoranthene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Pyrene	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Benz (a) anthracene	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Chrysene	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
bis (2-Ethylhexyl) phthalate	417	102		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Di-n-octyl phthalate	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Benzo (b) fluoranthene	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Benzo (k) fluoranthene	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Benzo (a) pyrene	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Indeno (1,2,3-cd) pyrene	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Dibenz (a,h) anthracene	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Benzo (g,h,i) perylene	ND	81.9		µg/Kg-dry	1	8/4/2011 8:33:00 PM
Surr: 2,4,6-Tribromophenol	97.7	40-140		%REC	1	8/4/2011 8:33:00 PM
Surr: 2-Fluorobiphenyl	95.2	50-130		%REC	1	8/4/2011 8:33:00 PM
Surr: 2-Fluorophenol	86.9	40-140		%REC	1	8/4/2011 8:33:00 PM
Surr: Nitrobenzene-d5	111	50-130		%REC	1	8/4/2011 8:33:00 PM
Surr: Phenol-d6	89.9	50-140		%REC	1	8/4/2011 8:33:00 PM
Surr: p-Terphenyl	67.3	40-130		%REC	1	8/4/2011 8:33:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/2/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1108010-001

**Matrix:** Soil

**Client Sample ID:** HE-01-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0823		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Chloromethane	ND	0.0823		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Vinyl chloride	ND	0.00274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Bromomethane	ND	0.123		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0686		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Chloroethane	ND	0.0823		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,1-Dichloroethene	ND	0.0686		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Methylene chloride	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
trans-1,2-Dichloroethene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,1-Dichloroethane	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
2,2-Dichloropropane	ND	0.0686		mg/Kg-dry	1	8/3/2011 12:48:00 PM
cis-1,2-Dichloroethene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Chloroform	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Trichloroethane (TCA)	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,1-Dichloropropene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Carbon tetrachloride	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2-Dichloroethane	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Benzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Trichloroethene (TCE)	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2-Dichloropropane	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Bromodichloromethane	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Dibromomethane	ND	0.0549		mg/Kg-dry	1	8/3/2011 12:48:00 PM
cis-1,3-Dichloropropene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Toluene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
trans-1,3-Dichloropropylene	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,1,2-Trichloroethane	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,3-Dichloropropane	ND	0.0686		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Tetrachloroethene (PCE)	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Dibromochloromethane	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2-Dibromoethane (EDB)	ND	0.00686		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Chlorobenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Ethylbenzene	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
m,p-Xylene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
o-Xylene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1108010-001

**Matrix:** Soil

**Client Sample ID:** HE-01-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Isopropylbenzene	ND	0.110		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Bromoform	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
n-Propylbenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Bromobenzene	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,3,5-Trimethylbenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
2-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
4-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
tert-Butylbenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2,3-Trichloropropane	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2,4-Trichlorobenzene	ND	0.0686		mg/Kg-dry	1	8/3/2011 12:48:00 PM
sec-Butylbenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
4-Isopropyltoluene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Chloroprene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,3-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,4-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
n-Butylbenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2,4-Trimethylbenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Hexachloro-1,3-butadiene	ND	0.137		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Naphthalene	ND	0.0411		mg/Kg-dry	1	8/3/2011 12:48:00 PM
1,2,3-Trichlorobenzene	ND	0.0274		mg/Kg-dry	1	8/3/2011 12:48:00 PM
Surr: 1-Bromo-4-fluorobenzene	87.4	72-135		%REC	1	8/3/2011 12:48:00 PM
Surr: Dibromofluoromethane	103	75.1-135		%REC	1	8/3/2011 12:48:00 PM
Surr: Toluene-d8	106	76.5-134		%REC	1	8/3/2011 12:48:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	0.697	0.171		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	6.15	0.171		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/2/2011 3:05:00 PM

**Project:** Hytec

**Lab ID:** 1108010-002

**Matrix:** Soil

**Client Sample ID:** HE-02-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Bis(2-chloroethyl) ether	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2-Chlorophenol	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
1,3-Dichlorobenzene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
1,4-Dichlorobenzene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
1,2-Dichlorobenzene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Benzyl alcohol	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2-Methylphenol (o-cresol)	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Hexachloroethane	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
N-Nitrosodi-n-propylamine	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Nitrobenzene	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Isophorone	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
4-Methylphenol	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2-Nitrophenol	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2,4-Dimethylphenol	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Bis(2-chloroethoxy)methane	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2,4-Dichlorophenol	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
1,2,4-Trichlorobenzene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Naphthalene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
4-Chloroaniline	ND	493		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Hexachlorobutadiene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
4-Chloro-3-methylphenol	ND	493		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2-Methylnaphthalene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
1-Methylnaphthalene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Hexachlorocyclopentadiene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2,4,6-Trichlorophenol	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2,4,5-Trichlorophenol	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2-Chloronaphthalene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2-Nitroaniline	ND	493		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Acenaphthene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Dimethylphthalate	1,440	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2,6-Dinitrotoluene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Acenaphthylene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
2,4-Dinitrophenol	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Dibenzofuran	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:05:00 PM

**Project:** Hytec

**Lab ID:** 1108010-002

**Matrix:** Soil

**Client Sample ID:** HE-02-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
4-Nitrophenol	ND	493		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Fluorene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
4-Chlorophenyl phenyl ether	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Diethylphthalate	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
4,6-Dinitro-2-methylphenol	ND	197		µg/Kg-dry	1	8/4/2011 8:55:00 PM
4-Bromophenyl phenyl ether	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Hexachlorobenzene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Pentachlorophenol	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Phenanthrene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Anthracene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Carbazole	ND	493		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Di-n-butylphthalate	130	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Fluoranthene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Pyrene	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Butyl Benzylphthalate	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
bis(2-Ethylhexyl)adipate	ND	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Benz (a) anthracene	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Chrysene	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
bis (2-Ethylhexyl) phthalate	158	98.7		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Di-n-octyl phthalate	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Benzo (b) fluoranthene	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Benzo (k) fluoranthene	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Benzo (a) pyrene	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Indeno (1,2,3-cd) pyrene	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Dibenz (a,h) anthracene	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Benzo (g,h,i) perylene	ND	78.9		µg/Kg-dry	1	8/4/2011 8:55:00 PM
Surr: 2,4,6-Tribromophenol	91.1	40-140		%REC	1	8/4/2011 8:55:00 PM
Surr: 2-Fluorobiphenyl	83.0	50-130		%REC	1	8/4/2011 8:55:00 PM
Surr: 2-Fluorophenol	90.0	40-140		%REC	1	8/4/2011 8:55:00 PM
Surr: Nitrobenzene-d5	118	50-130		%REC	1	8/4/2011 8:55:00 PM
Surr: Phenol-d6	91.2	50-140		%REC	1	8/4/2011 8:55:00 PM
Surr: p-Terphenyl	62.2	40-130		%REC	1	8/4/2011 8:55:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:05:00 PM

**Project:** Hytec

**Lab ID:** 1108010-002

**Matrix:** Soil

**Client Sample ID:** HE-02-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0639		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Chloromethane	ND	0.0639		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Vinyl chloride	ND	0.00213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Bromomethane	ND	0.0959		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0533		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Chloroethane	ND	0.0639		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,1-Dichloroethene	ND	0.0533		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Methylene chloride	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
trans-1,2-Dichloroethene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,1-Dichloroethane	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
2,2-Dichloropropane	ND	0.0533		mg/Kg-dry	1	8/3/2011 1:34:00 PM
cis-1,2-Dichloroethene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Chloroform	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Trichloroethane (TCA)	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,1-Dichloropropene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Carbon tetrachloride	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2-Dichloroethane	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Benzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Trichloroethene (TCE)	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2-Dichloropropane	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Bromodichloromethane	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Dibromomethane	ND	0.0426		mg/Kg-dry	1	8/3/2011 1:34:00 PM
cis-1,3-Dichloropropene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Toluene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
trans-1,3-Dichloropropylene	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,1,2-Trichloroethane	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,3-Dichloropropane	ND	0.0533		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Tetrachloroethene (PCE)	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Dibromochloromethane	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2-Dibromoethane (EDB)	ND	0.00533		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Chlorobenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Ethylbenzene	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
m,p-Xylene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
o-Xylene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/2/2011 3:05:00 PM

**Project:** Hytec

**Lab ID:** 1108010-002

**Matrix:** Soil

**Client Sample ID:** HE-02-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Isopropylbenzene	ND	0.0852		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Bromoform	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
n-Propylbenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Bromobenzene	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,3,5-Trimethylbenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
2-Chlorotoluene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
4-Chlorotoluene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
tert-Butylbenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2,3-Trichloropropane	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2,4-Trichlorobenzene	ND	0.0533		mg/Kg-dry	1	8/3/2011 1:34:00 PM
sec-Butylbenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
4-Isopropyltoluene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Chloroprene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,3-Dichlorobenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,4-Dichlorobenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
n-Butylbenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2-Dichlorobenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2,4-Trimethylbenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Hexachloro-1,3-butadiene	ND	0.107		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Naphthalene	ND	0.0320		mg/Kg-dry	1	8/3/2011 1:34:00 PM
1,2,3-Trichlorobenzene	ND	0.0213		mg/Kg-dry	1	8/3/2011 1:34:00 PM
Surr: 1-Bromo-4-fluorobenzene	93.6	72-135		%REC	1	8/3/2011 1:34:00 PM
Surr: Dibromofluoromethane	109	75.1-135		%REC	1	8/3/2011 1:34:00 PM
Surr: Toluene-d8	105	76.5-134		%REC	1	8/3/2011 1:34:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	0.353	0.168		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	6.20	0.168		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:10:00 PM

**Project:** Hytec

**Lab ID:** 1108010-003

**Matrix:** Soil

**Client Sample ID:** HE-03-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Bis(2-chloroethyl) ether	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2-Chlorophenol	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
1,3-Dichlorobenzene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
1,4-Dichlorobenzene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
1,2-Dichlorobenzene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Benzyl alcohol	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2-Methylphenol (o-cresol)	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Hexachloroethane	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
N-Nitrosodi-n-propylamine	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Nitrobenzene	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Isophorone	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
4-Methylphenol	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2-Nitrophenol	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2,4-Dimethylphenol	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Bis(2-chloroethoxy)methane	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2,4-Dichlorophenol	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
1,2,4-Trichlorobenzene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Naphthalene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
4-Chloroaniline	ND	504		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Hexachlorobutadiene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
4-Chloro-3-methylphenol	ND	504		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2-Methylnaphthalene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
1-Methylnaphthalene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Hexachlorocyclopentadiene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2,4,6-Trichlorophenol	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2,4,5-Trichlorophenol	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2-Chloronaphthalene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2-Nitroaniline	ND	504		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Acenaphthene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Dimethylphthalate	345	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2,6-Dinitrotoluene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Acenaphthylene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
2,4-Dinitrophenol	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Dibenzofuran	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:10:00 PM

**Project:** Hytec

**Lab ID:** 1108010-003

**Matrix:** Soil

**Client Sample ID:** HE-03-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
4-Nitrophenol	ND	504		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Fluorene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
4-Chlorophenyl phenyl ether	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Diethylphthalate	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
4,6-Dinitro-2-methylphenol	ND	202		µg/Kg-dry	1	8/4/2011 9:17:00 PM
4-Bromophenyl phenyl ether	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Hexachlorobenzene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Pentachlorophenol	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Phenanthrene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Anthracene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Carbazole	ND	504		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Di-n-butylphthalate	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Fluoranthene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Pyrene	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Butyl Benzylphthalate	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
bis(2-Ethylhexyl)adipate	ND	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Benz (a) anthracene	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Chrysene	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
bis (2-Ethylhexyl) phthalate	146	101		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Di-n-octyl phthalate	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Benzo (b) fluoranthene	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Benzo (k) fluoranthene	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Benzo (a) pyrene	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Indeno (1,2,3-cd) pyrene	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Dibenz (a,h) anthracene	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Benzo (g,h,i) perylene	ND	80.7		µg/Kg-dry	1	8/4/2011 9:17:00 PM
Surr: 2,4,6-Tribromophenol	96.9	40-140		%REC	1	8/4/2011 9:17:00 PM
Surr: 2-Fluorobiphenyl	93.5	50-130		%REC	1	8/4/2011 9:17:00 PM
Surr: 2-Fluorophenol	90.0	40-140		%REC	1	8/4/2011 9:17:00 PM
Surr: Nitrobenzene-d5	122	50-130		%REC	1	8/4/2011 9:17:00 PM
Surr: Phenol-d6	92.9	50-140		%REC	1	8/4/2011 9:17:00 PM
Surr: p-Terphenyl	68.5	40-130		%REC	1	8/4/2011 9:17:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:10:00 PM

**Project:** Hytec

**Lab ID:** 1108010-003

**Matrix:** Soil

**Client Sample ID:** HE-03-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.101		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Chloromethane	ND	0.101		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Vinyl chloride	ND	0.00336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Bromomethane	ND	0.151		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0841		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Chloroethane	ND	0.101		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,1-Dichloroethene	ND	0.0841		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Methylene chloride	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
trans-1,2-Dichloroethene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,1-Dichloroethane	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
2,2-Dichloropropane	ND	0.0841		mg/Kg-dry	1	8/3/2011 4:59:00 PM
cis-1,2-Dichloroethene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Chloroform	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Trichloroethane (TCA)	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,1-Dichloropropene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Carbon tetrachloride	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2-Dichloroethane	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Benzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Trichloroethene (TCE)	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2-Dichloropropane	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Bromodichloromethane	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Dibromomethane	ND	0.0673		mg/Kg-dry	1	8/3/2011 4:59:00 PM
cis-1,3-Dichloropropene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Toluene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
trans-1,3-Dichloropropylene	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,1,2-Trichloroethane	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,3-Dichloropropane	ND	0.0841		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Tetrachloroethene (PCE)	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Dibromochloromethane	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2-Dibromoethane (EDB)	ND	0.00841		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Chlorobenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Ethylbenzene	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
m,p-Xylene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
o-Xylene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:10:00 PM

**Project:** Hytec

**Lab ID:** 1108010-003

**Matrix:** Soil

**Client Sample ID:** HE-03-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Isopropylbenzene	ND	0.135		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Bromoform	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
n-Propylbenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Bromobenzene	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,3,5-Trimethylbenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
2-Chlorotoluene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
4-Chlorotoluene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
tert-Butylbenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2,3-Trichloropropane	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2,4-Trichlorobenzene	ND	0.0841		mg/Kg-dry	1	8/3/2011 4:59:00 PM
sec-Butylbenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
4-Isopropyltoluene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Chloroprene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,3-Dichlorobenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,4-Dichlorobenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
n-Butylbenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2-Dichlorobenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2,4-Trimethylbenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Hexachloro-1,3-butadiene	ND	0.168		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Naphthalene	ND	0.0505		mg/Kg-dry	1	8/3/2011 4:59:00 PM
1,2,3-Trichlorobenzene	ND	0.0336		mg/Kg-dry	1	8/3/2011 4:59:00 PM
Surr: 1-Bromo-4-fluorobenzene	87.7	72-135		%REC	1	8/3/2011 4:59:00 PM
Surr: Dibromofluoromethane	105	75.1-135		%REC	1	8/3/2011 4:59:00 PM
Surr: Toluene-d8	95.6	76.5-134		%REC	1	8/3/2011 4:59:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	0.387	0.163		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	9.25	0.163		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit  
 D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:15:00 PM

**Project:** Hytec

**Lab ID:** 1108010-004

**Matrix:** Soil

**Client Sample ID:** HE-04-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Bis(2-chloroethyl) ether	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2-Chlorophenol	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
1,3-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
1,4-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
1,2-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Benzyl alcohol	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2-Methylphenol (o-cresol)	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Hexachloroethane	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
N-Nitrosodi-n-propylamine	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Nitrobenzene	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Isophorone	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
4-Methylphenol	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2-Nitrophenol	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2,4-Dimethylphenol	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Bis(2-chloroethoxy)methane	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2,4-Dichlorophenol	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
1,2,4-Trichlorobenzene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Naphthalene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
4-Chloroaniline	ND	535		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Hexachlorobutadiene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
4-Chloro-3-methylphenol	ND	535		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2-Methylnaphthalene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
1-Methylnaphthalene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Hexachlorocyclopentadiene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2,4,6-Trichlorophenol	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2,4,5-Trichlorophenol	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2-Chloronaphthalene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2-Nitroaniline	ND	535		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Acenaphthene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Dimethylphthalate	954	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2,6-Dinitrotoluene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Acenaphthylene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
2,4-Dinitrophenol	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Dibenzofuran	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:15:00 PM

**Project:** Hytec

**Lab ID:** 1108010-004

**Matrix:** Soil

**Client Sample ID:** HE-04-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
4-Nitrophenol	ND	535		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Fluorene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
4-Chlorophenyl phenyl ether	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Diethylphthalate	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
4,6-Dinitro-2-methylphenol	ND	214		µg/Kg-dry	1	8/4/2011 9:39:00 PM
4-Bromophenyl phenyl ether	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Hexachlorobenzene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Pentachlorophenol	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Phenanthrene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Anthracene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Carbazole	ND	535		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Di-n-butylphthalate	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Fluoranthene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Pyrene	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Butyl Benzylphthalate	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
bis(2-Ethylhexyl)adipate	ND	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Benz (a) anthracene	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Chrysene	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
bis (2-Ethylhexyl) phthalate	278	107		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Di-n-octyl phthalate	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Benzo (b) fluoranthene	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Benzo (k) fluoranthene	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Benzo (a) pyrene	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Indeno (1,2,3-cd) pyrene	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Dibenz (a,h) anthracene	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Benzo (g,h,i) perylene	ND	85.7		µg/Kg-dry	1	8/4/2011 9:39:00 PM
Surr: 2,4,6-Tribromophenol	93.8	40-140		%REC	1	8/4/2011 9:39:00 PM
Surr: 2-Fluorobiphenyl	60.7	50-130		%REC	1	8/4/2011 9:39:00 PM
Surr: 2-Fluorophenol	73.7	40-140		%REC	1	8/4/2011 9:39:00 PM
Surr: Nitrobenzene-d5	70.1	50-130		%REC	1	8/4/2011 9:39:00 PM
Surr: Phenol-d6	82.0	50-140		%REC	1	8/4/2011 9:39:00 PM
Surr: p-Terphenyl	47.7	40-130		%REC	1	8/4/2011 9:39:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:15:00 PM

**Project:** Hytec

**Lab ID:** 1108010-004

**Matrix:** Soil

**Client Sample ID:** HE-04-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0831		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Chloromethane	ND	0.0831		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Vinyl chloride	ND	0.00277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Bromomethane	ND	0.125		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Trichlorofluoromethane (CFC-11)	0.118	0.0692		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Chloroethane	ND	0.0831		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,1-Dichloroethene	ND	0.0692		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Methylene chloride	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
trans-1,2-Dichloroethene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,1-Dichloroethane	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
2,2-Dichloropropane	ND	0.0692		mg/Kg-dry	1	8/3/2011 2:42:00 PM
cis-1,2-Dichloroethene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Chloroform	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Trichloroethane (TCA)	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,1-Dichloropropene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Carbon tetrachloride	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2-Dichloroethane	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Benzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Trichloroethene (TCE)	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2-Dichloropropane	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Bromodichloromethane	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Dibromomethane	ND	0.0554		mg/Kg-dry	1	8/3/2011 2:42:00 PM
cis-1,3-Dichloropropene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Toluene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
trans-1,3-Dichloropropylene	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,1,2-Trichloroethane	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,3-Dichloropropane	ND	0.0692		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Tetrachloroethene (PCE)	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Dibromochloromethane	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2-Dibromoethane (EDB)	ND	0.00692		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Chlorobenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Ethylbenzene	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
m,p-Xylene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
o-Xylene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/2/2011 3:15:00 PM

**Project:** Hytec

**Lab ID:** 1108010-004

**Matrix:** Soil

**Client Sample ID:** HE-04-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Isopropylbenzene	ND	0.111		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Bromoform	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
n-Propylbenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Bromobenzene	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,3,5-Trimethylbenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
2-Chlorotoluene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
4-Chlorotoluene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
tert-Butylbenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2,3-Trichloropropane	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2,4-Trichlorobenzene	ND	0.0692		mg/Kg-dry	1	8/3/2011 2:42:00 PM
sec-Butylbenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
4-Isopropyltoluene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Chloroprene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,3-Dichlorobenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,4-Dichlorobenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
n-Butylbenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2-Dichlorobenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2,4-Trimethylbenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Hexachloro-1,3-butadiene	ND	0.138		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Naphthalene	ND	0.0415		mg/Kg-dry	1	8/3/2011 2:42:00 PM
1,2,3-Trichlorobenzene	ND	0.0277		mg/Kg-dry	1	8/3/2011 2:42:00 PM
Surr: 1-Bromo-4-fluorobenzene	90.0	72-135		%REC	1	8/3/2011 2:42:00 PM
Surr: Dibromofluoromethane	102	75.1-135		%REC	1	8/3/2011 2:42:00 PM
Surr: Toluene-d8	95.7	76.5-134		%REC	1	8/3/2011 2:42:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	0.432	0.173		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	14.4	0.173		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:20:00 PM

**Project:** Hytec

**Lab ID:** 1108010-005

**Matrix:** Soil

**Client Sample ID:** HE-05-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Bis(2-chloroethyl) ether	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2-Chlorophenol	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
1,3-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
1,4-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
1,2-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Benzyl alcohol	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2-Methylphenol (o-cresol)	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Hexachloroethane	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
N-Nitrosodi-n-propylamine	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Nitrobenzene	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Isophorone	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
4-Methylphenol	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2-Nitrophenol	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2,4-Dimethylphenol	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Bis(2-chloroethoxy)methane	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2,4-Dichlorophenol	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
1,2,4-Trichlorobenzene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Naphthalene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
4-Chloroaniline	ND	528		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Hexachlorobutadiene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
4-Chloro-3-methylphenol	ND	528		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
1-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Hexachlorocyclopentadiene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2,4,6-Trichlorophenol	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2,4,5-Trichlorophenol	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2-Chloronaphthalene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2-Nitroaniline	ND	528		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Acenaphthene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Dimethylphthalate	718	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2,6-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Acenaphthylene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
2,4-Dinitrophenol	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Dibenzofuran	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/2/2011 3:20:00 PM

**Project:** Hytec

**Lab ID:** 1108010-005

**Matrix:** Soil

**Client Sample ID:** HE-05-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
4-Nitrophenol	ND	528		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Fluorene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
4-Chlorophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Diethylphthalate	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
4,6-Dinitro-2-methylphenol	ND	211		µg/Kg-dry	1	8/4/2011 11:08:00 PM
4-Bromophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Hexachlorobenzene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Pentachlorophenol	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Phenanthrene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Anthracene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Carbazole	ND	528		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Di-n-butylphthalate	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Fluoranthene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Pyrene	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Butyl Benzylphthalate	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
bis(2-Ethylhexyl)adipate	ND	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Benz (a) anthracene	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Chrysene	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
bis (2-Ethylhexyl) phthalate	127	106		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Di-n-octyl phthalate	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Benzo (b) fluoranthene	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Benzo (k) fluoranthene	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Benzo (a) pyrene	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Indeno (1,2,3-cd) pyrene	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Dibenz (a,h) anthracene	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Benzo (g,h,i) perylene	ND	84.5		µg/Kg-dry	1	8/4/2011 11:08:00 PM
Surr: 2,4,6-Tribromophenol	77.8	40-140		%REC	1	8/4/2011 11:08:00 PM
Surr: 2-Fluorobiphenyl	56.1	50-130		%REC	1	8/4/2011 11:08:00 PM
Surr: 2-Fluorophenol	68.3	40-140		%REC	1	8/4/2011 11:08:00 PM
Surr: Nitrobenzene-d5	63.5	50-130		%REC	1	8/4/2011 11:08:00 PM
Surr: Phenol-d6	69.6	50-140		%REC	1	8/4/2011 11:08:00 PM
Surr: p-Terphenyl	50.0	40-130		%REC	1	8/4/2011 11:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:20:00 PM

**Project:** Hytec

**Lab ID:** 1108010-005

**Matrix:** Soil

**Client Sample ID:** HE-05-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0964		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Chloromethane	ND	0.0964		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Vinyl chloride	ND	0.00321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Bromomethane	ND	0.145		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0803		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Chloroethane	ND	0.0964		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,1-Dichloroethene	ND	0.0803		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Methylene chloride	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
trans-1,2-Dichloroethene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,1-Dichloroethane	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
2,2-Dichloropropane	ND	0.0803		mg/Kg-dry	1	8/3/2011 3:05:00 PM
cis-1,2-Dichloroethene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Chloroform	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Trichloroethane (TCA)	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,1-Dichloropropene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Carbon tetrachloride	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2-Dichloroethane	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Benzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Trichloroethene (TCE)	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2-Dichloropropane	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Bromodichloromethane	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Dibromomethane	ND	0.0643		mg/Kg-dry	1	8/3/2011 3:05:00 PM
cis-1,3-Dichloropropene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Toluene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
trans-1,3-Dichloropropylene	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,1,2-Trichloroethane	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,3-Dichloropropane	ND	0.0803		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Tetrachloroethene (PCE)	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Dibromochloromethane	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2-Dibromoethane (EDB)	ND	0.00803		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Chlorobenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Ethylbenzene	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
m,p-Xylene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
o-Xylene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/2/2011 3:20:00 PM

**Project:** Hytec

**Lab ID:** 1108010-005

**Matrix:** Soil

**Client Sample ID:** HE-05-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Isopropylbenzene	ND	0.129		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Bromoform	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
n-Propylbenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Bromobenzene	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,3,5-Trimethylbenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
2-Chlorotoluene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
4-Chlorotoluene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
tert-Butylbenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2,3-Trichloropropane	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2,4-Trichlorobenzene	ND	0.0803		mg/Kg-dry	1	8/3/2011 3:05:00 PM
sec-Butylbenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
4-Isopropyltoluene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Chloroprene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,3-Dichlorobenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,4-Dichlorobenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
n-Butylbenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2-Dichlorobenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2,4-Trimethylbenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Hexachloro-1,3-butadiene	ND	0.161		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Naphthalene	ND	0.0482		mg/Kg-dry	1	8/3/2011 3:05:00 PM
1,2,3-Trichlorobenzene	ND	0.0321		mg/Kg-dry	1	8/3/2011 3:05:00 PM
Surr: 1-Bromo-4-fluorobenzene	85.3	72-135		%REC	1	8/3/2011 3:05:00 PM
Surr: Dibromofluoromethane	99.3	75.1-135		%REC	1	8/3/2011 3:05:00 PM
Surr: Toluene-d8	96.5	76.5-134		%REC	1	8/3/2011 3:05:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	0.323	0.160		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	7.84	0.160		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:25:00 PM

**Project:** Hytec

**Lab ID:** 1108010-006

**Matrix:** Soil

**Client Sample ID:** HE-06-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Bis(2-chloroethyl) ether	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Benzyl alcohol	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Nitrobenzene	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Isophorone	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
4-Methylphenol	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2-Nitrophenol	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2,4-Dichlorophenol	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Naphthalene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
4-Chloroaniline	ND	511		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
4-Chloro-3-methylphenol	ND	511		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2,4,6-Trichlorophenol	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2,4,5-Trichlorophenol	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2-Nitroaniline	ND	511		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Acenaphthene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Dimethylphthalate	8,310	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Acenaphthylene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
2,4-Dinitrophenol	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Dibenzofuran	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:25:00 PM

**Project:** Hytec

**Lab ID:** 1108010-006

**Matrix:** Soil

**Client Sample ID:** HE-06-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
4-Nitrophenol	ND	511		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Fluorene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Diethylphthalate	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
4,6-Dinitro-2-methylphenol	ND	205		µg/Kg-dry	1	8/4/2011 11:30:00 PM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Pentachlorophenol	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Phenanthrene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Anthracene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Carbazole	ND	511		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Di-n-butylphthalate	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Fluoranthene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Pyrene	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Benz (a) anthracene	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Chrysene	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
bis (2-Ethylhexyl) phthalate	279	102		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Di-n-octyl phthalate	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Benzo (b) fluoranthene	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Benzo (k) fluoranthene	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Benzo (a) pyrene	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Indeno (1,2,3-cd) pyrene	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Dibenz (a,h) anthracene	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Benzo (g,h,i) perylene	ND	81.8		µg/Kg-dry	1	8/4/2011 11:30:00 PM
Surr: 2,4,6-Tribromophenol	95.9	40-140		%REC	1	8/4/2011 11:30:00 PM
Surr: 2-Fluorobiphenyl	85.0	50-130		%REC	1	8/4/2011 11:30:00 PM
Surr: 2-Fluorophenol	81.5	40-140		%REC	1	8/4/2011 11:30:00 PM
Surr: Nitrobenzene-d5	99.7	50-130		%REC	1	8/4/2011 11:30:00 PM
Surr: Phenol-d6	87.5	50-140		%REC	1	8/4/2011 11:30:00 PM
Surr: p-Terphenyl	60.4	40-130		%REC	1	8/4/2011 11:30:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:25:00 PM

**Project:** Hytec

**Lab ID:** 1108010-006

**Matrix:** Soil

**Client Sample ID:** HE-06-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0978		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Chloromethane	ND	0.0978		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Vinyl chloride	ND	0.00326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Bromomethane	ND	0.147		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0815		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Chloroethane	ND	0.0978		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,1-Dichloroethene	ND	0.0815		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Methylene chloride	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
trans-1,2-Dichloroethene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,1-Dichloroethane	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
2,2-Dichloropropane	ND	0.0815		mg/Kg-dry	1	8/3/2011 3:28:00 PM
cis-1,2-Dichloroethene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Chloroform	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Trichloroethane (TCA)	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,1-Dichloropropene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Carbon tetrachloride	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2-Dichloroethane	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Benzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Trichloroethene (TCE)	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2-Dichloropropane	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Bromodichloromethane	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Dibromomethane	ND	0.0652		mg/Kg-dry	1	8/3/2011 3:28:00 PM
cis-1,3-Dichloropropene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Toluene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
trans-1,3-Dichloropropylene	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,1,2-Trichloroethane	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,3-Dichloropropane	ND	0.0815		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Tetrachloroethene (PCE)	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Dibromochloromethane	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2-Dibromoethane (EDB)	ND	0.00815		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Chlorobenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Ethylbenzene	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
m,p-Xylene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
o-Xylene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/2/2011 3:25:00 PM

**Project:** Hytec

**Lab ID:** 1108010-006

**Matrix:** Soil

**Client Sample ID:** HE-06-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Isopropylbenzene	ND	0.130		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Bromoform	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
n-Propylbenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Bromobenzene	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,3,5-Trimethylbenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
2-Chlorotoluene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
4-Chlorotoluene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
tert-Butylbenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2,3-Trichloropropane	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2,4-Trichlorobenzene	ND	0.0815		mg/Kg-dry	1	8/3/2011 3:28:00 PM
sec-Butylbenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
4-Isopropyltoluene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Chloroprene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,3-Dichlorobenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,4-Dichlorobenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
n-Butylbenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2-Dichlorobenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2,4-Trimethylbenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Hexachloro-1,3-butadiene	ND	0.163		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Naphthalene	ND	0.0489		mg/Kg-dry	1	8/3/2011 3:28:00 PM
1,2,3-Trichlorobenzene	ND	0.0326		mg/Kg-dry	1	8/3/2011 3:28:00 PM
Surr: 1-Bromo-4-fluorobenzene	92.0	72-135		%REC	1	8/3/2011 3:28:00 PM
Surr: Dibromofluoromethane	96.7	75.1-135		%REC	1	8/3/2011 3:28:00 PM
Surr: Toluene-d8	98.0	76.5-134		%REC	1	8/3/2011 3:28:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	0.344	0.167		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	5.86	0.167		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:30:00 PM

**Project:** Hytec

**Lab ID:** 1108010-007

**Matrix:** Soil

**Client Sample ID:** HE-07-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Bis(2-chloroethyl) ether	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2-Chlorophenol	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
1,3-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
1,4-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
1,2-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Benzyl alcohol	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2-Methylphenol (o-cresol)	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Hexachloroethane	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
N-Nitrosodi-n-propylamine	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Nitrobenzene	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Isophorone	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
4-Methylphenol	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2-Nitrophenol	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2,4-Dimethylphenol	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Bis(2-chloroethoxy)methane	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2,4-Dichlorophenol	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
1,2,4-Trichlorobenzene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Naphthalene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
4-Chloroaniline	ND	560		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Hexachlorobutadiene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
4-Chloro-3-methylphenol	ND	560		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2-Methylnaphthalene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
1-Methylnaphthalene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Hexachlorocyclopentadiene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2,4,6-Trichlorophenol	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2,4,5-Trichlorophenol	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2-Chloronaphthalene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2-Nitroaniline	ND	560		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Acenaphthene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Dimethylphthalate	11,100	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2,6-Dinitrotoluene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Acenaphthylene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
2,4-Dinitrophenol	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Dibenzofuran	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:30:00 PM

**Project:** Hytec

**Lab ID:** 1108010-007

**Matrix:** Soil

**Client Sample ID:** HE-07-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
4-Nitrophenol	ND	560		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Fluorene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
4-Chlorophenyl phenyl ether	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Diethylphthalate	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
4,6-Dinitro-2-methylphenol	ND	224		µg/Kg-dry	1	8/4/2011 11:52:00 PM
4-Bromophenyl phenyl ether	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Hexachlorobenzene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Pentachlorophenol	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Phenanthrene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Anthracene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Carbazole	ND	560		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Di-n-butylphthalate	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Fluoranthene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Pyrene	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Butyl Benzylphthalate	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
bis(2-Ethylhexyl)adipate	ND	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Benz (a) anthracene	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Chrysene	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
bis (2-Ethylhexyl) phthalate	1,030	112		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Di-n-octyl phthalate	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Benzo (b) fluoranthene	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Benzo (k) fluoranthene	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Benzo (a) pyrene	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Indeno (1,2,3-cd) pyrene	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Dibenz (a,h) anthracene	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Benzo (g,h,i) perylene	ND	89.5		µg/Kg-dry	1	8/4/2011 11:52:00 PM
Surr: 2,4,6-Tribromophenol	95.8	40-140		%REC	1	8/4/2011 11:52:00 PM
Surr: 2-Fluorobiphenyl	87.5	50-130		%REC	1	8/4/2011 11:52:00 PM
Surr: 2-Fluorophenol	81.9	40-140		%REC	1	8/4/2011 11:52:00 PM
Surr: Nitrobenzene-d5	103	50-130		%REC	1	8/4/2011 11:52:00 PM
Surr: Phenol-d6	80.4	50-140		%REC	1	8/4/2011 11:52:00 PM
Surr: p-Terphenyl	67.2	40-130		%REC	1	8/4/2011 11:52:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:30:00 PM

**Project:** Hytec

**Lab ID:** 1108010-007

**Matrix:** Soil

**Client Sample ID:** HE-07-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0771		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Chloromethane	ND	0.0771		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Vinyl chloride	ND	0.00257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Bromomethane	ND	0.116		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0643		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Chloroethane	ND	0.0771		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,1-Dichloroethene	ND	0.0643		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Methylene chloride	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
trans-1,2-Dichloroethene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,1-Dichloroethane	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
2,2-Dichloropropane	ND	0.0643		mg/Kg-dry	1	8/3/2011 3:50:00 PM
cis-1,2-Dichloroethene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Chloroform	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Trichloroethane (TCA)	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,1-Dichloropropene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Carbon tetrachloride	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2-Dichloroethane	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Benzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Trichloroethene (TCE)	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2-Dichloropropane	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Bromodichloromethane	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Dibromomethane	ND	0.0514		mg/Kg-dry	1	8/3/2011 3:50:00 PM
cis-1,3-Dichloropropene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Toluene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
trans-1,3-Dichloropropylene	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,1,2-Trichloroethane	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,3-Dichloropropane	ND	0.0643		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Tetrachloroethene (PCE)	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Dibromochloromethane	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2-Dibromoethane (EDB)	ND	0.00643		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Chlorobenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Ethylbenzene	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
m,p-Xylene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
o-Xylene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:30:00 PM

**Project:** Hytec

**Lab ID:** 1108010-007

**Matrix:** Soil

**Client Sample ID:** HE-07-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Isopropylbenzene	ND	0.103		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Bromoform	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
n-Propylbenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Bromobenzene	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,3,5-Trimethylbenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
2-Chlorotoluene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
4-Chlorotoluene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
tert-Butylbenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2,3-Trichloropropane	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2,4-Trichlorobenzene	ND	0.0643		mg/Kg-dry	1	8/3/2011 3:50:00 PM
sec-Butylbenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
4-Isopropyltoluene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Chloroprene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,3-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,4-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
n-Butylbenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2,4-Trimethylbenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Hexachloro-1,3-butadiene	ND	0.129		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Naphthalene	ND	0.0386		mg/Kg-dry	1	8/3/2011 3:50:00 PM
1,2,3-Trichlorobenzene	ND	0.0257		mg/Kg-dry	1	8/3/2011 3:50:00 PM
Surr: 1-Bromo-4-fluorobenzene	110	72-135		%REC	1	8/3/2011 3:50:00 PM
Surr: Dibromofluoromethane	114	75.1-135		%REC	1	8/3/2011 3:50:00 PM
Surr: Toluene-d8	98.4	76.5-134		%REC	1	8/3/2011 3:50:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	1.42	0.171		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	13.5	0.171		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:35:00 PM

**Project:** Hytec

**Lab ID:** 1108010-008

**Matrix:** Soil

**Client Sample ID:** HE-08-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Bis(2-chloroethyl) ether	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2-Chlorophenol	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
1,3-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
1,4-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
1,2-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Benzyl alcohol	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2-Methylphenol (o-cresol)	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Hexachloroethane	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
N-Nitrosodi-n-propylamine	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Nitrobenzene	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Isophorone	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
4-Methylphenol	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2-Nitrophenol	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2,4-Dimethylphenol	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Bis(2-chloroethoxy)methane	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2,4-Dichlorophenol	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
1,2,4-Trichlorobenzene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Naphthalene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
4-Chloroaniline	ND	531		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Hexachlorobutadiene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
4-Chloro-3-methylphenol	ND	531		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
1-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Hexachlorocyclopentadiene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2,4,6-Trichlorophenol	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2,4,5-Trichlorophenol	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2-Chloronaphthalene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2-Nitroaniline	ND	531		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Acenaphthene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Dimethylphthalate	656	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2,6-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Acenaphthylene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
2,4-Dinitrophenol	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Dibenzofuran	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:35:00 PM

**Project:** Hytec

**Lab ID:** 1108010-008

**Matrix:** Soil

**Client Sample ID:** HE-08-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
4-Nitrophenol	ND	531		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Fluorene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
4-Chlorophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Diethylphthalate	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
4,6-Dinitro-2-methylphenol	ND	212		µg/Kg-dry	1	8/5/2011 12:14:00 AM
4-Bromophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Hexachlorobenzene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Pentachlorophenol	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Phenanthrene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Anthracene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Carbazole	ND	531		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Di-n-butylphthalate	143	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Fluoranthene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Pyrene	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Butyl Benzylphthalate	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
bis(2-Ethylhexyl)adipate	ND	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Benz (a) anthracene	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Chrysene	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
bis (2-Ethylhexyl) phthalate	180	106		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Di-n-octyl phthalate	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Benzo (b) fluoranthene	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Benzo (k) fluoranthene	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Benzo (a) pyrene	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Indeno (1,2,3-cd) pyrene	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Dibenz (a,h) anthracene	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Benzo (g,h,i) perylene	ND	85.0		µg/Kg-dry	1	8/5/2011 12:14:00 AM
Surr: 2,4,6-Tribromophenol	100	40-140		%REC	1	8/5/2011 12:14:00 AM
Surr: 2-Fluorobiphenyl	99.4	50-130		%REC	1	8/5/2011 12:14:00 AM
Surr: 2-Fluorophenol	77.4	40-140		%REC	1	8/5/2011 12:14:00 AM
Surr: Nitrobenzene-d5	119	50-130		%REC	1	8/5/2011 12:14:00 AM
Surr: Phenol-d6	88.4	50-140		%REC	1	8/5/2011 12:14:00 AM
Surr: p-Terphenyl	74.3	40-130		%REC	1	8/5/2011 12:14:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:35:00 PM

**Project:** Hytec

**Lab ID:** 1108010-008

**Matrix:** Soil

**Client Sample ID:** HE-08-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0843		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Chloromethane	ND	0.0843		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Vinyl chloride	ND	0.00281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Bromomethane	ND	0.126		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0703		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Chloroethane	ND	0.0843		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,1-Dichloroethene	ND	0.0703		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Methylene chloride	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
trans-1,2-Dichloroethene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,1-Dichloroethane	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
2,2-Dichloropropane	ND	0.0703		mg/Kg-dry	1	8/3/2011 4:13:00 PM
cis-1,2-Dichloroethene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Chloroform	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Trichloroethane (TCA)	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,1-Dichloropropene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Carbon tetrachloride	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2-Dichloroethane	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Benzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Trichloroethene (TCE)	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2-Dichloropropane	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Bromodichloromethane	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Dibromomethane	ND	0.0562		mg/Kg-dry	1	8/3/2011 4:13:00 PM
cis-1,3-Dichloropropene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Toluene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
trans-1,3-Dichloropropylene	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,1,2-Trichloroethane	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,3-Dichloropropane	ND	0.0703		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Tetrachloroethene (PCE)	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Dibromochloromethane	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2-Dibromoethane (EDB)	ND	0.00703		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Chlorobenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Ethylbenzene	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
m,p-Xylene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
o-Xylene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 3:35:00 PM

**Project:** Hytec

**Lab ID:** 1108010-008

**Matrix:** Soil

**Client Sample ID:** HE-08-080211

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Isopropylbenzene	ND	0.112		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Bromoform	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
n-Propylbenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Bromobenzene	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,3,5-Trimethylbenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
2-Chlorotoluene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
4-Chlorotoluene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
tert-Butylbenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2,3-Trichloropropane	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2,4-Trichlorobenzene	ND	0.0703		mg/Kg-dry	1	8/3/2011 4:13:00 PM
sec-Butylbenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
4-Isopropyltoluene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Chloroprene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,3-Dichlorobenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,4-Dichlorobenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
n-Butylbenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2-Dichlorobenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2,4-Trimethylbenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Hexachloro-1,3-butadiene	ND	0.141		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Naphthalene	ND	0.0422		mg/Kg-dry	1	8/3/2011 4:13:00 PM
1,2,3-Trichlorobenzene	ND	0.0281		mg/Kg-dry	1	8/3/2011 4:13:00 PM
Surr: 1-Bromo-4-fluorobenzene	113	72-135		%REC	1	8/3/2011 4:13:00 PM
Surr: Dibromofluoromethane	127	75.1-135		%REC	1	8/3/2011 4:13:00 PM
Surr: Toluene-d8	95.7	76.5-134		%REC	1	8/3/2011 4:13:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	0.225	0.180		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	6.09	0.180		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit  
 D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 9:00:00 AM

**Project:** Hytec

**Lab ID:** 1108010-009

**Matrix:** Soil

**Client Sample ID:** DUP 1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

Phenol	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Bis(2-chloroethyl) ether	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2-Chlorophenol	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Benzyl alcohol	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Hexachloroethane	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Nitrobenzene	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Isophorone	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
4-Methylphenol	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2-Nitrophenol	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2,4-Dichlorophenol	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Naphthalene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
4-Chloroaniline	ND	512		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
4-Chloro-3-methylphenol	ND	512		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2,4,6-Trichlorophenol	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2,4,5-Trichlorophenol	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2-Nitroaniline	ND	512		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Acenaphthene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Dimethylphthalate	8,380	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Acenaphthylene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
2,4-Dinitrophenol	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Dibenzofuran	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 9:00:00 AM

**Project:** Hytec

**Lab ID:** 1108010-009

**Matrix:** Soil

**Client Sample ID:** DUP 1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 911

Analyst: PH

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
4-Nitrophenol	ND	512		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Fluorene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Diethylphthalate	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
4,6-Dinitro-2-methylphenol	ND	205		µg/Kg-dry	1	8/5/2011 12:36:00 AM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Pentachlorophenol	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Phenanthrene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Anthracene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Carbazole	ND	512		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Di-n-butylphthalate	103	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Fluoranthene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Pyrene	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Butyl Benzylphthalate	142	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Benz (a) anthracene	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Chrysene	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
bis (2-Ethylhexyl) phthalate	612	102		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Di-n-octyl phthalate	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Benzo (b) fluoranthene	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Benzo (k) fluoranthene	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Benzo (a) pyrene	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Indeno (1,2,3-cd) pyrene	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Dibenz (a,h) anthracene	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Benzo (g,h,i) perylene	ND	81.9		µg/Kg-dry	1	8/5/2011 12:36:00 AM
Surr: 2,4,6-Tribromophenol	103	40-140		%REC	1	8/5/2011 12:36:00 AM
Surr: 2-Fluorobiphenyl	95.9	50-130		%REC	1	8/5/2011 12:36:00 AM
Surr: 2-Fluorophenol	81.4	40-140		%REC	1	8/5/2011 12:36:00 AM
Surr: Nitrobenzene-d5	120	50-130		%REC	1	8/5/2011 12:36:00 AM
Surr: Phenol-d6	84.5	50-140		%REC	1	8/5/2011 12:36:00 AM
Surr: p-Terphenyl	65.4	40-130		%REC	1	8/5/2011 12:36:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 9:00:00 AM

**Project:** Hytec

**Lab ID:** 1108010-009

**Matrix:** Soil

**Client Sample ID:** DUP 1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0924		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Chloromethane	ND	0.0924		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Vinyl chloride	ND	0.00308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Bromomethane	ND	0.139		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Trichlorofluoromethane (CFC-11)	0.0787	0.0770		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Chloroethane	ND	0.0924		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,1-Dichloroethene	ND	0.0770		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Methylene chloride	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
trans-1,2-Dichloroethene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,1-Dichloroethane	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
2,2-Dichloropropane	ND	0.0770		mg/Kg-dry	1	8/3/2011 4:36:00 PM
cis-1,2-Dichloroethene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Chloroform	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Trichloroethane (TCA)	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,1-Dichloropropene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Carbon tetrachloride	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2-Dichloroethane	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Benzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Trichloroethene (TCE)	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2-Dichloropropane	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Bromodichloromethane	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Dibromomethane	ND	0.0616		mg/Kg-dry	1	8/3/2011 4:36:00 PM
cis-1,3-Dichloropropene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Toluene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
trans-1,3-Dichloropropylene	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,1,2-Trichloroethane	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,3-Dichloropropane	ND	0.0770		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Tetrachloroethene (PCE)	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Dibromochloromethane	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2-Dibromoethane (EDB)	ND	0.00770		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Chlorobenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Ethylbenzene	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
m,p-Xylene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
o-Xylene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108010

Date Reported: 8/5/2011

**Client:** Calibre

**Collection Date:** 8/2/2011 9:00:00 AM

**Project:** Hytec

**Lab ID:** 1108010-009

**Matrix:** Soil

**Client Sample ID:** DUP 1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 909

Analyst: PH

Styrene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Isopropylbenzene	ND	0.123		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Bromoform	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
n-Propylbenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Bromobenzene	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,3,5-Trimethylbenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
2-Chlorotoluene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
4-Chlorotoluene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
tert-Butylbenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2,3-Trichloropropane	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2,4-Trichlorobenzene	ND	0.0770		mg/Kg-dry	1	8/3/2011 4:36:00 PM
sec-Butylbenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
4-Isopropyltoluene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Chloroprene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,3-Dichlorobenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,4-Dichlorobenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
n-Butylbenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2-Dichlorobenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2,4-Trimethylbenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Hexachloro-1,3-butadiene	ND	0.154		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Naphthalene	ND	0.0462		mg/Kg-dry	1	8/3/2011 4:36:00 PM
1,2,3-Trichlorobenzene	ND	0.0308		mg/Kg-dry	1	8/3/2011 4:36:00 PM
Surr: 1-Bromo-4-fluorobenzene	77.0	72-135		%REC	1	8/3/2011 4:36:00 PM
Surr: Dibromofluoromethane	102	75.1-135		%REC	1	8/3/2011 4:36:00 PM
Surr: Toluene-d8	89.8	76.5-134		%REC	1	8/3/2011 4:36:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 908

Analyst: MC

Cadmium	0.373	0.172		mg/Kg-dry	1	8/4/2011 11:39:39 AM
Lead	10.8	0.172		mg/Kg-dry	1	8/4/2011 11:39:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 6020**

Sample ID: <b>MB-908</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1452</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>908</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26036</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.200									
Lead	ND	0.200									

Sample ID: <b>LCS-908</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1452</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>908</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26037</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.49	0.200	2.500	0	99.6	80	120				
Lead	25.3	0.200	25.00	0	101	80	120				

Sample ID: <b>1108010-001BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1452</b>							
Client ID: <b>HE-01-080211</b>	Batch ID: <b>908</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26039</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	0.878	0.171						0.6974	22.9	30	
Lead	8.02	0.171						6.152	26.3	30	

Sample ID: <b>1108010-001BMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1452</b>							
Client ID: <b>HE-01-080211</b>	Batch ID: <b>908</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26040</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	3.04	0.171	2.138	0.6974	109	75	125				
Lead	27.9	0.171	21.38	6.152	102	75	125				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

**Work Order:** 1108010  
**CLIENT:** Calibre  
**Project:** Hytec

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 6020**

Sample ID: <b>1108010-001BMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1452</b>
Client ID: <b>HE-01-080211</b>	Batch ID: <b>908</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26041</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.53	0.156	1.950	0.6974	93.8	75	125	3.035	18.3	30	
Lead	23.9	0.156	19.50	6.152	91.2	75	125	27.92	15.4	30	

**NOTES:**

R - High RPD indicates matrix interference. The method is in control as indicated by the laboratory control sample (LCS).

<b>Qualifiers:</b> E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits	H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	J Analyte detected below quantitation limits RL Reporting Limit
---	--	--

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID:	1108010-004BDUP	SampType:	DUP	Units:	µg/Kg-dry	Prep Date:	8/3/2011	RunNo:	1458		
Client ID:	HE-04-080211	Batch ID:	911	Analysis Date:	8/4/2011	SeqNo:	26145				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	212						0	0	30	
Bis(2-chloroethyl) ether	ND	212						0	0	30	
2-Chlorophenol	ND	106						0	0	30	
1,3-Dichlorobenzene	ND	106						0	0	30	
1,4-Dichlorobenzene	ND	106						0	0	30	
1,2-Dichlorobenzene	ND	106						0	0	30	
Benzyl alcohol	ND	106						0	0	30	
2-Methylphenol (o-cresol)	ND	106						0	0	30	
Hexachloroethane	ND	106						0	0	30	
N-Nitrosodi-n-propylamine	ND	106						0	0	30	
Nitrobenzene	ND	212						0	0	30	
Isophorone	ND	106						0	0	30	
4-Methylphenol	ND	106						0	0	30	
2-Nitrophenol	ND	212						0	0	30	
2,4-Dimethylphenol	ND	106						0	0	30	
Bis(2-chloroethoxy)methane	ND	106						0	0	30	
2,4-Dichlorophenol	ND	212						0	0	30	
1,2,4-Trichlorobenzene	ND	106						0	0	30	
Naphthalene	ND	106						0	0	30	
4-Chloroaniline	ND	529						0	0	30	
Hexachlorobutadiene	ND	106						0	0	30	
4-Chloro-3-methylphenol	ND	529						0	0	30	
2-Methylnaphthalene	ND	106						0	0	30	
1-Methylnaphthalene	ND	106						0	0	30	
Hexachlorocyclopentadiene	ND	106						0	0	30	
2,4,6-Trichlorophenol	ND	212						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1108010-004BDUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 8/3/2011	RunNo: 1458							
Client ID: HE-04-080211	Batch ID: 911		Analysis Date: 8/4/2011	SeqNo: 26145							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	212						0	0	30	
2-Chloronaphthalene	ND	106						0	0	30	
2-Nitroaniline	ND	529						0	0	30	
Acenaphthene	ND	106						0	0	30	
Dimethylphthalate	2,470	106						954.3	88.4	30	R
2,6-Dinitrotoluene	ND	106						0	0	30	
Acenaphthylene	ND	106						0	0	30	
2,4-Dinitrophenol	ND	212						0	0	30	
Dibenzofuran	ND	106						0	0	30	
2,4-Dinitrotoluene	ND	106						0	0	30	
4-Nitrophenol	ND	529						0	0	30	
Fluorene	ND	106						0	0	30	
4-Chlorophenyl phenyl ether	ND	106						0	0	30	
Diethylphthalate	ND	106						0	0	30	
4,6-Dinitro-2-methylphenol	ND	212						0	0	30	
4-Bromophenyl phenyl ether	ND	106						0	0	30	
Hexachlorobenzene	ND	106						0	0	30	
Pentachlorophenol	ND	106						0	0	30	
Phenanthrene	ND	106						0	0	30	
Anthracene	ND	106						0	0	30	
Carbazole	ND	529						0	0	30	
Di-n-butylphthalate	ND	106						0	0	30	
Fluoranthene	ND	106						0	0	30	
Pyrene	ND	106						0	0	30	
Butyl Benzylphthalate	ND	106						0	0	30	
bis(2-Ethylhexyl)adipate	ND	106						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108010

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: <b>1108010-004BDUP</b> SampType: <b>DUP</b> Units: <b>µg/Kg-dry</b> Prep Date: <b>8/3/2011</b> RunNo: <b>1458</b> Client ID: <b>HE-04-080211</b> Batch ID: <b>911</b> Analysis Date: <b>8/4/2011</b> SeqNo: <b>26145</b>											
Benz (a) anthracene	ND	84.6						0	0	30	
Chrysene	ND	84.6						0	0	30	
bis (2-Ethylhexyl) phthalate	372	106						278.4	28.7	30	
Di-n-octyl phthalate	ND	84.6						0	0	30	
Benzo (b) fluoranthene	ND	84.6						0	0	30	
Benzo (k) fluoranthene	ND	84.6						0	0	30	
Benzo (a) pyrene	ND	84.6						0	0	30	
Indeno (1,2,3-cd) pyrene	ND	84.6						0	0	30	
Dibenz (a,h) anthracene	ND	84.6						0	0	30	
Benzo (g,h,i) perylene	ND	84.6						0	0	30	
Surr: 2,4,6-Tribromophenol	3,960		4,231		93.5	40	140		0		
Surr: 2-Fluorobiphenyl	2,010		2,115		94.9	50	130		0		
Surr: 2-Fluorophenol	3,860		4,231		91.3	40	140		0		
Surr: Nitrobenzene-d5	2,580		2,115		122	50	130		0		
Surr: Phenol-d6	3,880		4,231		91.7	50	140		0		
Surr: p-Terphenyl	1,350		2,115		64.0	40	130		0		

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: <b>1108010-004BMS</b> SampType: <b>MS</b> Units: <b>µg/Kg-dry</b> Prep Date: <b>8/3/2011</b> RunNo: <b>1458</b> Client ID: <b>HE-04-080211</b> Batch ID: <b>911</b> Analysis Date: <b>8/4/2011</b> SeqNo: <b>26146</b>											
Phenol	3,070	214	4,287	12.44	71.2	40	140				
2-Chlorophenol	2,760	107	4,287	0	64.3	40	140				
1,4-Dichlorobenzene	1,660	107	2,143	0	77.6	50	130				
N-Nitrosodi-n-propylamine	1,930	107	2,143	0	89.9	50	130				
1,2,4-Trichlorobenzene	1,630	107	2,143	0	76.1	50	130				

**Qualifiers:** E Value above quantitation range    H Holding times for preparation or analysis exceeded    J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit    R RPD outside accepted recovery limits    RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108010-004BMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1458</b>							
Client ID: <b>HE-04-080211</b>	Batch ID: <b>911</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26146</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	4,040	536	4,287	0	94.3	40	140				
Acenaphthene	1,690	107	2,143	0	78.9	50	130				
2,4-Dinitrotoluene	1,440	107	2,143	0	67.2	50	130				
Pentachlorophenol	3,540	107	4,287	0	82.5	40	140				
Pyrene	1,360	107	2,143	0	63.3	50	130				
Surr: 2,4,6-Tribromophenol	4,190		4,287		97.8	40	140				
Surr: 2-Fluorobiphenyl	1,890		2,143		88.1	50	130				
Surr: 2-Fluorophenol	3,510		4,287		81.8	40	140				
Surr: Nitrobenzene-d5	2,140		2,143		99.8	50	130				
Surr: Phenol-d6	3,600		4,287		84.0	50	140				
Surr: p-Terphenyl	1,390		2,143		64.8	40	130				

Sample ID: <b>1108010-004BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1458</b>							
Client ID: <b>HE-04-080211</b>	Batch ID: <b>911</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26147</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	2,960	213	4,253	12.44	69.2	40	140	3,066	3.60	30	
2-Chlorophenol	2,740	106	4,253	0	64.5	40	140	2,755	0.391	30	
1,4-Dichlorobenzene	1,520	106	2,127	0	71.5	50	130	1,663	8.93	30	
N-Nitrosodi-n-propylamine	1,790	106	2,127	0	84.3	50	130	1,928	7.24	30	
1,2,4-Trichlorobenzene	1,570	106	2,127	0	73.9	50	130	1,632	3.77	30	
4-Chloro-3-methylphenol	3,820	532	4,253	0	89.9	40	140	4,042	5.60	30	
Acenaphthene	1,640	106	2,127	0	77.2	50	130	1,691	2.93	30	
2,4-Dinitrotoluene	1,420	106	2,127	0	66.8	50	130	1,441	1.34	30	
Pentachlorophenol	3,400	106	4,253	0	79.9	40	140	3,538	4.09	30	
Pyrene	1,320	106	2,127	0	62.3	50	130	1,356	2.36	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108010-004BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1458</b>							
Client ID: <b>HE-04-080211</b>	Batch ID: <b>911</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26147</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4,6-Tribromophenol	3,790		4,253		89.2	40	140		0		
Surr: 2-Fluorobiphenyl	1,340		2,127		63.1	50	130		0		
Surr: 2-Fluorophenol	3,250		4,253		76.3	40	140		0		
Surr: Nitrobenzene-d5	1,740		2,127		82.0	50	130		0		
Surr: Phenol-d6	3,240		4,253		76.2	50	140		0		
Surr: p-Terphenyl	1,010		2,127		47.3	40	130		0		

Sample ID: <b>LCS-911</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1458</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>911</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26153</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	2,990	200	4,000	0	74.7	40	140				
2-Chlorophenol	2,920	100	4,000	0	72.9	40	140				
1,4-Dichlorobenzene	1,700	100	2,000	0	84.9	50	130				
N-Nitrosodi-n-propylamine	1,740	100	2,000	0	87.0	50	130				
1,2,4-Trichlorobenzene	1,640	100	2,000	0	82.2	50	130				
4-Chloro-3-methylphenol	3,440	500	4,000	0	86.0	40	140				
Acenaphthene	1,630	100	2,000	0	81.3	50	130				
2,4-Dinitrotoluene	1,160	100	2,000	0	57.8	50	130				
Pentachlorophenol	1,800	100	4,000	0	44.9	40	140				
Pyrene	1,270	100	2,000	0	63.5	50	130				
Surr: 2,4,6-Tribromophenol	2,910		4,000		72.6	40	140				
Surr: 2-Fluorobiphenyl	1,860		2,000		92.8	50	130				
Surr: 2-Fluorophenol	3,190		4,000		79.8	40	140				
Surr: Nitrobenzene-d5	2,230		2,000		112	50	130				
Surr: Phenol-d6	3,280		4,000		81.9	50	140				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>LCS-911</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1458</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>911</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26153</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: p-Terphenyl	1,200		2,000		59.9	40	130				
-------------------	-------	--	-------	--	------	----	-----	--	--	--	--

Sample ID: <b>MB-911</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1458</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>911</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26154</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	ND	200									
Bis(2-chloroethyl) ether	ND	200									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	100									
1,4-Dichlorobenzene	ND	100									
1,2-Dichlorobenzene	ND	100									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									
Nitrobenzene	ND	200									
Isophorone	ND	100									
4-Methylphenol	ND	100									
2-Nitrophenol	ND	200									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	100									
2,4-Dichlorophenol	ND	200									
1,2,4-Trichlorobenzene	ND	100									
Naphthalene	ND	100									
4-Chloroaniline	ND	500									

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-911</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1458</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>911</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26154</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-911</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1458</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>911</b>		Analysis Date: <b>8/4/2011</b>	SeqNo: <b>26154</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									
Surr: 2,4,6-Tribromophenol	2,130		4,000		53.3	40	140				
Surr: 2-Fluorobiphenyl	1,850		2,000		92.3	50	130				
Surr: 2-Fluorophenol	3,080		4,000		77.1	40	140				
Surr: Nitrobenzene-d5	2,210		2,000		111	50	130				
Surr: Phenol-d6	3,260		4,000		81.4	50	140				
Surr: p-Terphenyl	1,180		2,000		58.8	40	130				

**NOTES:**

R - High RPD indicates matrix interference. The method is in control as indicated by the laboratory control sample (LCS).

<b>Qualifiers:</b>	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not detected at the Reporting Limit	R RPD outside accepted recovery limits	RL Reporting Limit
	S Spike recovery outside accepted recovery limits		

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-909</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1448</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>909</b>		Analysis Date: <b>8/3/2011</b>	SeqNo: <b>26006</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-909</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1448</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>909</b>		Analysis Date: <b>8/3/2011</b>	SeqNo: <b>26006</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
Chloroprene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Work Order:** 1108010

**CLIENT:** Calibre

**Project:** Hytec

**QC SUMMARY REPORT**
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-909</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1448</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>909</b>		Analysis Date: <b>8/3/2011</b>	SeqNo: <b>26006</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.0204		0.02000		102	72	135				
Surr: Dibromofluoromethane	0.0203		0.02000		102	75.1	135				
Surr: Toluene-d8	0.0206		0.02000		103	76.5	134				

Sample ID: <b>LCS-909</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/3/2011</b>	RunNo: <b>1448</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>909</b>		Analysis Date: <b>8/3/2011</b>	SeqNo: <b>26007</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.208	0.0500	0.2000	0	104	65	135				
Benzene	0.193	0.0200	0.2000	0	96.4	72.4	128				
Trichloroethene (TCE)	0.180	0.0300	0.2000	0	90.0	65.7	135				
Toluene	0.204	0.0200	0.2000	0	102	70.8	131				
Chlorobenzene	0.197	0.0200	0.2000	0	98.3	65	134				
Surr: 1-Bromo-4-fluorobenzene	0.0209		0.02000		104	72	135				
Surr: Dibromofluoromethane	0.0200		0.02000		100	75.1	135				
Surr: Toluene-d8	0.0203		0.02000		102	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1108010-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/3/2011	RunNo: 1448							
Client ID: HE-01-080211	Batch ID: 909		Analysis Date: 8/3/2011	SeqNo: 26009							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0780						0	0	30	
Chloromethane	ND	0.0780						0	0	30	
Vinyl chloride	ND	0.00260						0	0	30	
Bromomethane	ND	0.117						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0650						0	0	30	
Chloroethane	ND	0.0780						0	0	30	
1,1-Dichloroethene	ND	0.0650						0	0	30	
Methylene chloride	ND	0.0260						0	0	30	
trans-1,2-Dichloroethene	ND	0.0260						0	0	30	
1,1-Dichloroethane	ND	0.0260						0	0	30	
2,2-Dichloropropane	ND	0.0650						0	0	30	
cis-1,2-Dichloroethene	ND	0.0260						0	0	30	
Chloroform	ND	0.0260						0	0	30	
Trichloroethane (TCA)	ND	0.0260						0	0	30	
1,1-Dichloropropene	ND	0.0260						0	0	30	
Carbon tetrachloride	ND	0.0260						0	0	30	
1,2-Dichloroethane	ND	0.0390						0	0	30	
Benzene	ND	0.0260						0	0	30	
Trichloroethene (TCE)	ND	0.0390						0	0	30	
1,2-Dichloropropane	ND	0.0260						0	0	30	
Bromodichloromethane	ND	0.0260						0	0	30	
Dibromomethane	ND	0.0520						0	0	30	
cis-1,3-Dichloropropene	ND	0.0260						0	0	30	
Toluene	ND	0.0260						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0390						0	0	30	
1,1,2-Trichloroethane	ND	0.0390						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1108010-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/3/2011	RunNo: 1448							
Client ID: HE-01-080211	Batch ID: 909		Analysis Date: 8/3/2011	SeqNo: 26009							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0650						0	0	30	
Tetrachloroethene (PCE)	ND	0.0260						0	0	30	
Dibromochloromethane	ND	0.0390						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00650						0	0	30	
Chlorobenzene	ND	0.0260						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0390						0	0	30	
Ethylbenzene	ND	0.0390						0	0	30	
m,p-Xylene	ND	0.0260						0	0	30	
o-Xylene	ND	0.0260						0	0	30	
Styrene	ND	0.0260						0	0	30	
Isopropylbenzene	ND	0.104						0	0	30	
Bromoform	ND	0.0260						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0260						0	0	30	
n-Propylbenzene	ND	0.0260						0	0	30	
Bromobenzene	ND	0.0390						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0260						0	0	30	
2-Chlorotoluene	ND	0.0260						0	0	30	
4-Chlorotoluene	ND	0.0260						0	0	30	
tert-Butylbenzene	ND	0.0260						0	0	30	
1,2,3-Trichloropropane	ND	0.0260						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0650						0	0	30	
sec-Butylbenzene	ND	0.0260						0	0	30	
4-Isopropyltoluene	ND	0.0260						0	0	30	
Chloroprene	ND	0.0260						0	0	30	
1,3-Dichlorobenzene	ND	0.0260						0	0	30	
1,4-Dichlorobenzene	ND	0.0260						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108010

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**
**Volatile Organic Compounds by EPA Method 8260**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: <b>1108010-001ADUP</b>	SampType: <b>DUP</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>8/3/2011</b>	RunNo: <b>1448</b>					
Client ID: <b>HE-01-080211</b>	Batch ID: <b>909</b>				Analysis Date: <b>8/3/2011</b>	SeqNo: <b>26009</b>					
n-Butylbenzene	ND	0.0260						0	0	30	
1,2-Dichlorobenzene	ND	0.0260						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0390						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0260						0	0	30	
Hexachloro-1,3-butadiene	ND	0.130						0	0	30	
Naphthalene	ND	0.0390						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0260						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.0211		0.02601		81.0	72	135		0		
Surr: Dibromofluoromethane	0.0280		0.02601		108	75.1	135		0		
Surr: Toluene-d8	0.0259		0.02601		99.7	76.5	134		0		

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: <b>1108010-002AMS</b>	SampType: <b>MS</b>		Units: <b>mg/Kg-dry</b>		Prep Date: <b>8/3/2011</b>	RunNo: <b>1448</b>					
Client ID: <b>HE-02-080211</b>	Batch ID: <b>909</b>				Analysis Date: <b>8/3/2011</b>	SeqNo: <b>26011</b>					
1,1-Dichloroethene	0.228	0.0584	0.2338	0	97.4	65	135				
Benzene	0.212	0.0234	0.2338	0	90.6	65	135				
Trichloroethene (TCE)	0.204	0.0351	0.2338	0	87.2	65	135				
Toluene	0.220	0.0234	0.2338	0	93.9	65	135				
Chlorobenzene	0.215	0.0234	0.2338	0	91.8	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0219		0.02338		93.6	72	135				
Surr: Dibromofluoromethane	0.0236		0.02338		101	75.1	135				
Surr: Toluene-d8	0.0237		0.02338		101	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



1131 N. 35th Street  
 Seattle, WA 98103  
 Tel: 206-352-3790  
 Fax: 206-352-7178

# Chain of Custody Record

1108010  
~~1108001~~

Laboratory Project No (Internal): \_\_\_\_\_

Page: 2 of: 3

Project Name: HYTCC

Location: LITTLE ROCK, WA

Collected by: GWD

Date: 8/13/11

Project Name:

Location:

Collected by:

Client: CALIBRE

Address: \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Tel: \_\_\_\_\_

Reports To (PM): \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Project No: \_\_\_\_\_

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	RTX	EPA 8260	EPA 821B	Hydrocarbon Identification (HID)	Diesel/Heavy Oil Range Organics	SCM VOA (EPA 8270)	PAH (EPA 8270)	PCBS (EPA 8270 - SIM)	CI Pesticides (EPA 8081)	CI Herbicides (EPA 815A)	Metals - (4020 / 200.8)	Total (T) / Dissolved (D)	Arsenic (As)	Comments/Depth
1 BDX-11-080211	8/2/11	1228	Soil												X			<u>BDX Samples to be</u> <u>Separate from HE Samples</u> <u>per T McKeon. JB</u>
2 BDX-12-080211	8/2/11	1230	Soil												X			
3 BDX-13-080211	8/2/11	1235	Soil												X			
4 HE-01-080211	8/2/11	1500	Soil					X							X			
5 HE-02-080211	8/2/11	1505	Soil					X							X			
6 HE-03-080211	8/2/11	1510	Soil					X							X			
7 HE-04-080211	8/2/11	1515	Soil					X							X			
8 HE-05-080211	8/2/11	1520	Soil					X							X			
9 HE-06-080211	8/2/11	1525	Soil					X							X			
10 HE-07-080211	8/2/11	1530	Soil					X							X			

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Se Sr Sn Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate-Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished: W Date/Time: 8/13/11 8:30

Received: Jung Date/Time: 8/13/11 8:30

Special Remarks:  
Hold BDX  
samples for possible  
SICCS analysis

TAT -> Next Day  2 Day  3 Day  STD



**Fremont Analytical**  
 1131 N. 35th Street  
 Seattle, WA 98103  
 Tel: 206-352-3790  
 Fax: 206-352-7178

# Chain of Custody Record

1108006  
 408004

Laboratory Project No (Internal): \_\_\_\_\_  
 Page: 3 of: 3  
 Project Name: HYDEC  
 Location: LITTLE ROCK, WA  
 Collected by: GDW

Date: 8/20/11  
 Project Name: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Collected by: \_\_\_\_\_

Client: CALIBRE  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Tel: \_\_\_\_\_

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	BTX: EPA 8260	Gasoline Range Organics	Hydrocarbon Identification (HID)	SEM VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCB (EPA 8082)	CI Pesticides (EPA 8081)	CI Herbicides (EPA 8081)	Metals* (6020 / 200.9)	Total (T) Dissolved (D)	Anions (C)**	Comments/Depth
Tom McKeen Grant Dawson Justin Neble																
1 HE-08-080211	8/21/11	1535	Soil	X			X						X			
2 DUP 1	8/21/11	0900	Soil	X			X						X			
3																
4																
5																
6																
7																
8																
9																
10																

Reports To (PM): \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_  
 Project No: \_\_\_\_\_  
 \*Metals Analysis (Circle): MTCA-5 RCRA-8 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn  
 \*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite  
 Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)  
 Relinquished Date/Time: 8/23/11 0830 Received Date/Time: 8/23/11 8:30  
 Relinquished Signature: [Signature] Received Signature: [Signature]  
 TAT -> Next Day 2 Day 3 Day 5 Day STD



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1108018**

August 09, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 3 sample(s) on 8/4/2011 for the analyses presented in the following report.

***Percent Moisture by ASTM D2216***

***Semi-Volatile Organic Compounds by EPA Method 8270***

***TCLP by EPA Method 1311***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Justin Neste



Date: 08/09/2011

---

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1108018

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1108018-001	HE-09-080411	08/04/2011 1:36 PM	08/04/2011 4:53 PM
1108018-002	HE-10-080411	08/04/2011 1:50 PM	08/04/2011 4:53 PM
1108018-003	HE-11-080411	08/04/2011 1:58 PM	08/04/2011 4:53 PM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned



**CLIENT:** Calibre**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



**Client:** Calibre

**Collection Date:** 8/4/2011 1:36:00 PM

**Project:** Hytec

**Lab ID:** 1108018-001

**Matrix:** Soil

**Client Sample ID:** HE-09-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 919

Analyst: SG

Phenol	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Bis(2-chloroethyl) ether	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2-Chlorophenol	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
1,3-Dichlorobenzene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
1,4-Dichlorobenzene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
1,2-Dichlorobenzene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Benzyl alcohol	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2-Methylphenol (o-cresol)	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Hexachloroethane	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
N-Nitrosodi-n-propylamine	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Nitrobenzene	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Isophorone	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
4-Methylphenol	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2-Nitrophenol	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2,4-Dimethylphenol	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Bis(2-chloroethoxy)methane	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2,4-Dichlorophenol	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
1,2,4-Trichlorobenzene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Naphthalene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
4-Chloroaniline	ND	571		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Hexachlorobutadiene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
4-Chloro-3-methylphenol	ND	571		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2-Methylnaphthalene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
1-Methylnaphthalene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Hexachlorocyclopentadiene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2,4,6-Trichlorophenol	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2,4,5-Trichlorophenol	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2-Chloronaphthalene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2-Nitroaniline	ND	571		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Acenaphthene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Dimethylphthalate	59,800	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2,6-Dinitrotoluene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Acenaphthylene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
2,4-Dinitrophenol	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Dibenzofuran	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108018

Date Reported: 8/9/2011

**Client:** Calibre

**Collection Date:** 8/4/2011 1:36:00 PM

**Project:** Hytec

**Lab ID:** 1108018-001

**Matrix:** Soil

**Client Sample ID:** HE-09-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 919

Analyst: SG

2,4-Dinitrotoluene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
4-Nitrophenol	ND	571		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Fluorene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
4-Chlorophenyl phenyl ether	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Diethylphthalate	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
4,6-Dinitro-2-methylphenol	ND	228		µg/Kg-dry	1	8/8/2011 2:53:00 AM
4-Bromophenyl phenyl ether	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Hexachlorobenzene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Pentachlorophenol	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Phenanthrene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Anthracene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Carbazole	ND	571		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Di-n-butylphthalate	355	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Fluoranthene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Pyrene	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Butyl Benzylphthalate	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
bis(2-Ethylhexyl)adipate	ND	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Benz (a) anthracene	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Chrysene	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
bis (2-Ethylhexyl) phthalate	1,590	114		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Di-n-octyl phthalate	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Benzo (b) fluoranthene	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Benzo (k) fluoranthene	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Benzo (a) pyrene	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Indeno (1,2,3-cd) pyrene	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Dibenz (a,h) anthracene	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Benzo (g,h,i) perylene	ND	91.4		µg/Kg-dry	1	8/8/2011 2:53:00 AM
Surr: 2,4,6-Tribromophenol	115	40-140		%REC	1	8/8/2011 2:53:00 AM
Surr: 2-Fluorobiphenyl	93.1	50-130		%REC	1	8/8/2011 2:53:00 AM
Surr: 2-Fluorophenol	122	40-140		%REC	1	8/8/2011 2:53:00 AM
Surr: Nitrobenzene-d5	104	50-130		%REC	1	8/8/2011 2:53:00 AM
Surr: Phenol-d6	105	50-140		%REC	1	8/8/2011 2:53:00 AM
Surr: p-Terphenyl	73.6	40-130		%REC	1	8/8/2011 2:53:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/4/2011 1:36:00 PM

**Project:** Hytec

**Lab ID:** 1108018-001

**Matrix:** Soil

**Client Sample ID:** HE-09-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 917

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0593		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Chloromethane	ND	0.0593		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Vinyl chloride	ND	0.00198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Bromomethane	ND	0.0889		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Trichlorofluoromethane (CFC-11)	0.0729	0.0494		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Chloroethane	ND	0.0593		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,1-Dichloroethene	ND	0.0494		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Methylene chloride	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
trans-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,1-Dichloroethane	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
2,2-Dichloropropane	ND	0.0494		mg/Kg-dry	1	8/5/2011 12:35:00 PM
cis-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Chloroform	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Trichloroethane (TCA)	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,1-Dichloropropene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Carbon tetrachloride	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2-Dichloroethane	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Benzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Trichloroethene (TCE)	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2-Dichloropropane	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Bromodichloromethane	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Dibromomethane	ND	0.0395		mg/Kg-dry	1	8/5/2011 12:35:00 PM
cis-1,3-Dichloropropene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Toluene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
trans-1,3-Dichloropropylene	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,1,2-Trichloroethane	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,3-Dichloropropane	ND	0.0494		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Tetrachloroethene (PCE)	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Dibromochloromethane	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2-Dibromoethane (EDB)	ND	0.00494		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Chlorobenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Ethylbenzene	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
m,p-Xylene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
o-Xylene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108018

Date Reported: 8/9/2011

**Client:** Calibre

**Collection Date:** 8/4/2011 1:36:00 PM

**Project:** Hytec

**Lab ID:** 1108018-001

**Matrix:** Soil

**Client Sample ID:** HE-09-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 917

Analyst: PH

Styrene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Isopropylbenzene	ND	0.0790		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Bromoform	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
n-Propylbenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Bromobenzene	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,3,5-Trimethylbenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
2-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
4-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
tert-Butylbenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2,3-Trichloropropane	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2,4-Trichlorobenzene	ND	0.0494		mg/Kg-dry	1	8/5/2011 12:35:00 PM
sec-Butylbenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
4-Isopropyltoluene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Chloroprene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,3-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,4-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
n-Butylbenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2,4-Trimethylbenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Hexachloro-1,3-butadiene	ND	0.0988		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Naphthalene	ND	0.0296		mg/Kg-dry	1	8/5/2011 12:35:00 PM
1,2,3-Trichlorobenzene	ND	0.0198		mg/Kg-dry	1	8/5/2011 12:35:00 PM
Surr: 1-Bromo-4-fluorobenzene	82.5	72-135		%REC	1	8/5/2011 12:35:00 PM
Surr: Dibromofluoromethane	105	75.1-135		%REC	1	8/5/2011 12:35:00 PM
Surr: Toluene-d8	96.3	76.5-134		%REC	1	8/5/2011 12:35:00 PM

**TCLP by EPA Method 1311**

Batch ID: 920

Analyst: MC

Arsenic	ND	0.500		mg/L	1	8/5/2011 2:12:00 PM
Cadmium	ND	0.100		mg/L	1	8/5/2011 2:12:00 PM
Chromium	ND	0.500		mg/L	1	8/5/2011 2:12:00 PM
Lead	ND	0.500		mg/L	1	8/5/2011 2:12:00 PM
Mercury	ND	0.250		mg/L	1	8/5/2011 2:12:00 PM

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/4/2011 1:36:00 PM

**Project:** Hytec

**Lab ID:** 1108018-001

**Matrix:** Soil

**Client Sample ID:** HE-09-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**TCLP by EPA Method 1311**

Batch ID: 920

Analyst: MC

Selenium	ND	1.00		mg/L	1	8/5/2011 2:12:00 PM
Silver	ND	0.100		mg/L	1	8/5/2011 2:12:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108018

Date Reported: 8/9/2011

**Client:** Calibre

**Collection Date:** 8/4/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1108018-002

**Matrix:** Soil

**Client Sample ID:** HE-10-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 919

Analyst: SG

Phenol	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Bis(2-chloroethyl) ether	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2-Chlorophenol	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
1,3-Dichlorobenzene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
1,4-Dichlorobenzene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
1,2-Dichlorobenzene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Benzyl alcohol	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2-Methylphenol (o-cresol)	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Hexachloroethane	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
N-Nitrosodi-n-propylamine	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Nitrobenzene	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Isophorone	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
4-Methylphenol	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2-Nitrophenol	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2,4-Dimethylphenol	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Bis(2-chloroethoxy)methane	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2,4-Dichlorophenol	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
1,2,4-Trichlorobenzene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Naphthalene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
4-Chloroaniline	ND	579		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Hexachlorobutadiene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
4-Chloro-3-methylphenol	ND	579		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2-Methylnaphthalene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
1-Methylnaphthalene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Hexachlorocyclopentadiene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2,4,6-Trichlorophenol	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2,4,5-Trichlorophenol	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2-Chloronaphthalene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2-Nitroaniline	ND	579		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Acenaphthene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Dimethylphthalate	67,300	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2,6-Dinitrotoluene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Acenaphthylene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
2,4-Dinitrophenol	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Dibenzofuran	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/4/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1108018-002

**Matrix:** Soil

**Client Sample ID:** HE-10-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 919

Analyst: SG

2,4-Dinitrotoluene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
4-Nitrophenol	ND	579		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Fluorene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
4-Chlorophenyl phenyl ether	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Diethylphthalate	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
4,6-Dinitro-2-methylphenol	ND	231		µg/Kg-dry	1	8/8/2011 4:20:00 AM
4-Bromophenyl phenyl ether	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Hexachlorobenzene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Pentachlorophenol	208	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Phenanthrene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Anthracene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Carbazole	ND	579		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Di-n-butylphthalate	236	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Fluoranthene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Pyrene	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Butyl Benzylphthalate	7,910	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
bis(2-Ethylhexyl)adipate	ND	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Benz (a) anthracene	ND	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Chrysene	ND	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
bis (2-Ethylhexyl) phthalate	2,820	116		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Di-n-octyl phthalate	118	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Benzo (b) fluoranthene	ND	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Benzo (k) fluoranthene	ND	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Benzo (a) pyrene	ND	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Indeno (1,2,3-cd) pyrene	ND	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Dibenz (a,h) anthracene	ND	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Benzo (g,h,i) perylene	ND	92.6		µg/Kg-dry	1	8/8/2011 4:20:00 AM
Surr: 2,4,6-Tribromophenol	127	40-140		%REC	1	8/8/2011 4:20:00 AM
Surr: 2-Fluorobiphenyl	105	50-130		%REC	1	8/8/2011 4:20:00 AM
Surr: 2-Fluorophenol	117	40-140		%REC	1	8/8/2011 4:20:00 AM
Surr: Nitrobenzene-d5	119	50-130		%REC	1	8/8/2011 4:20:00 AM
Surr: Phenol-d6	111	50-140		%REC	1	8/8/2011 4:20:00 AM
Surr: p-Terphenyl	72.7	40-130		%REC	1	8/8/2011 4:20:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108018

Date Reported: 8/9/2011

**Client:** Calibre

**Collection Date:** 8/4/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1108018-002

**Matrix:** Soil

**Client Sample ID:** HE-10-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 917

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0682		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Chloromethane	ND	0.0682		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Vinyl chloride	ND	0.00227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Bromomethane	ND	0.102		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Trichlorofluoromethane (CFC-11)	0.101	0.0568		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Chloroethane	ND	0.0682		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,1-Dichloroethene	ND	0.0568		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Methylene chloride	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
trans-1,2-Dichloroethene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,1-Dichloroethane	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
2,2-Dichloropropane	ND	0.0568		mg/Kg-dry	1	8/5/2011 12:57:00 PM
cis-1,2-Dichloroethene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Chloroform	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Trichloroethane (TCA)	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,1-Dichloropropene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Carbon tetrachloride	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2-Dichloroethane	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Benzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Trichloroethene (TCE)	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2-Dichloropropane	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Bromodichloromethane	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Dibromomethane	ND	0.0454		mg/Kg-dry	1	8/5/2011 12:57:00 PM
cis-1,3-Dichloropropene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Toluene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
trans-1,3-Dichloropropylene	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,1,2-Trichloroethane	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,3-Dichloropropane	ND	0.0568		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Tetrachloroethene (PCE)	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Dibromochloromethane	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2-Dibromoethane (EDB)	ND	0.00568		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Chlorobenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Ethylbenzene	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
m,p-Xylene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
o-Xylene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108018

Date Reported: 8/9/2011

**Client:** Calibre

**Collection Date:** 8/4/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1108018-002

**Matrix:** Soil

**Client Sample ID:** HE-10-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 917

Analyst: PH

Styrene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Isopropylbenzene	ND	0.0909		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Bromoform	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
n-Propylbenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Bromobenzene	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,3,5-Trimethylbenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
2-Chlorotoluene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
4-Chlorotoluene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
tert-Butylbenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2,3-Trichloropropane	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2,4-Trichlorobenzene	ND	0.0568		mg/Kg-dry	1	8/5/2011 12:57:00 PM
sec-Butylbenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
4-Isopropyltoluene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Chloroprene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,3-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,4-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
n-Butylbenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2,4-Trimethylbenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Hexachloro-1,3-butadiene	ND	0.114		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Naphthalene	ND	0.0341		mg/Kg-dry	1	8/5/2011 12:57:00 PM
1,2,3-Trichlorobenzene	ND	0.0227		mg/Kg-dry	1	8/5/2011 12:57:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.0	72-135		%REC	1	8/5/2011 12:57:00 PM
Surr: Dibromofluoromethane	103	75.1-135		%REC	1	8/5/2011 12:57:00 PM
Surr: Toluene-d8	90.1	76.5-134		%REC	1	8/5/2011 12:57:00 PM

**TCLP by EPA Method 1311**

Batch ID: 920

Analyst: MC

Arsenic	ND	0.500		mg/L	1	8/5/2011 2:35:00 PM
Cadmium	ND	0.100		mg/L	1	8/5/2011 2:35:00 PM
Chromium	ND	0.500		mg/L	1	8/5/2011 2:35:00 PM
Lead	ND	0.500		mg/L	1	8/5/2011 2:35:00 PM
Mercury	ND	0.250		mg/L	1	8/5/2011 2:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/4/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1108018-002

**Matrix:** Soil

**Client Sample ID:** HE-10-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**TCLP by EPA Method 1311**

Batch ID: 920

Analyst: MC

Selenium	ND	1.00		mg/L	1	8/5/2011 2:35:00 PM
Silver	ND	0.100		mg/L	1	8/5/2011 2:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/4/2011 1:58:00 PM

**Project:** Hytec

**Lab ID:** 1108018-003

**Matrix:** Soil

**Client Sample ID:** HE-11-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 919

Analyst: SG

Phenol	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Bis(2-chloroethyl) ether	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2-Chlorophenol	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
1,3-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
1,4-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
1,2-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Benzyl alcohol	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2-Methylphenol (o-cresol)	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Hexachloroethane	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
N-Nitrosodi-n-propylamine	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Nitrobenzene	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Isophorone	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
4-Methylphenol	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2-Nitrophenol	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2,4-Dimethylphenol	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Bis(2-chloroethoxy)methane	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2,4-Dichlorophenol	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
1,2,4-Trichlorobenzene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Naphthalene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
4-Chloroaniline	ND	559		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Hexachlorobutadiene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
4-Chloro-3-methylphenol	ND	559		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2-Methylnaphthalene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
1-Methylnaphthalene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Hexachlorocyclopentadiene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2,4,6-Trichlorophenol	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2,4,5-Trichlorophenol	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2-Chloronaphthalene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2-Nitroaniline	ND	559		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Acenaphthene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Dimethylphthalate	45,400	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2,6-Dinitrotoluene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Acenaphthylene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
2,4-Dinitrophenol	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Dibenzofuran	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108018

Date Reported: 8/9/2011

**Client:** Calibre

**Collection Date:** 8/4/2011 1:58:00 PM

**Project:** Hytec

**Lab ID:** 1108018-003

**Matrix:** Soil

**Client Sample ID:** HE-11-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 919

Analyst: SG

2,4-Dinitrotoluene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
4-Nitrophenol	ND	559		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Fluorene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
4-Chlorophenyl phenyl ether	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Diethylphthalate	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
4,6-Dinitro-2-methylphenol	ND	224		µg/Kg-dry	1	8/8/2011 4:42:00 AM
4-Bromophenyl phenyl ether	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Hexachlorobenzene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Pentachlorophenol	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Phenanthrene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Anthracene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Carbazole	ND	559		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Di-n-butylphthalate	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Fluoranthene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Pyrene	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Butyl Benzylphthalate	112	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
bis(2-Ethylhexyl)adipate	ND	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Benz (a) anthracene	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Chrysene	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
bis (2-Ethylhexyl) phthalate	1,790	112		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Di-n-octyl phthalate	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Benzo (b) fluoranthene	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Benzo (k) fluoranthene	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Benzo (a) pyrene	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Indeno (1,2,3-cd) pyrene	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Dibenz (a,h) anthracene	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Benzo (g,h,i) perylene	ND	89.4		µg/Kg-dry	1	8/8/2011 4:42:00 AM
Surr: 2,4,6-Tribromophenol	96.7	40-140		%REC	1	8/8/2011 4:42:00 AM
Surr: 2-Fluorobiphenyl	94.5	50-130		%REC	1	8/8/2011 4:42:00 AM
Surr: 2-Fluorophenol	82.3	40-140		%REC	1	8/8/2011 4:42:00 AM
Surr: Nitrobenzene-d5	105	50-130		%REC	1	8/8/2011 4:42:00 AM
Surr: Phenol-d6	81.4	50-140		%REC	1	8/8/2011 4:42:00 AM
Surr: p-Terphenyl	66.0	40-130		%REC	1	8/8/2011 4:42:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/4/2011 1:58:00 PM

**Project:** Hytec

**Lab ID:** 1108018-003

**Matrix:** Soil

**Client Sample ID:** HE-11-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 917

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0591		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Chloromethane	ND	0.0591		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Vinyl chloride	ND	0.00197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Bromomethane	ND	0.0887		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Trichlorofluoromethane (CFC-11)	0.0898	0.0493		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Chloroethane	ND	0.0591		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,1-Dichloroethene	ND	0.0493		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Methylene chloride	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
trans-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,1-Dichloroethane	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
2,2-Dichloropropane	ND	0.0493		mg/Kg-dry	1	8/5/2011 1:43:00 PM
cis-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Chloroform	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Trichloroethane (TCA)	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,1-Dichloropropene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Carbon tetrachloride	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2-Dichloroethane	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Benzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Trichloroethene (TCE)	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2-Dichloropropane	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Bromodichloromethane	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Dibromomethane	ND	0.0394		mg/Kg-dry	1	8/5/2011 1:43:00 PM
cis-1,3-Dichloropropene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Toluene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
trans-1,3-Dichloropropylene	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,1,2-Trichloroethane	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,3-Dichloropropane	ND	0.0493		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Tetrachloroethene (PCE)	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Dibromochloromethane	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2-Dibromoethane (EDB)	ND	0.00493		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Chlorobenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Ethylbenzene	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
m,p-Xylene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
o-Xylene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/4/2011 1:58:00 PM

**Project:** Hytec

**Lab ID:** 1108018-003

**Matrix:** Soil

**Client Sample ID:** HE-11-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 917

Analyst: PH

Styrene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Isopropylbenzene	ND	0.0788		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Bromoform	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
n-Propylbenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Bromobenzene	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,3,5-Trimethylbenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
2-Chlorotoluene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
4-Chlorotoluene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
tert-Butylbenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2,3-Trichloropropane	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2,4-Trichlorobenzene	ND	0.0493		mg/Kg-dry	1	8/5/2011 1:43:00 PM
sec-Butylbenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
4-Isopropyltoluene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Chloroprene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,3-Dichlorobenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,4-Dichlorobenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
n-Butylbenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2-Dichlorobenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2,4-Trimethylbenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Hexachloro-1,3-butadiene	ND	0.0986		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Naphthalene	ND	0.0296		mg/Kg-dry	1	8/5/2011 1:43:00 PM
1,2,3-Trichlorobenzene	ND	0.0197		mg/Kg-dry	1	8/5/2011 1:43:00 PM
Surr: 1-Bromo-4-fluorobenzene	81.8	72-135		%REC	1	8/5/2011 1:43:00 PM
Surr: Dibromofluoromethane	117	75.1-135		%REC	1	8/5/2011 1:43:00 PM
Surr: Toluene-d8	92.4	76.5-134		%REC	1	8/5/2011 1:43:00 PM

**TCLP by EPA Method 1311**

Batch ID: 920

Analyst: MC

Arsenic	ND	0.500		mg/L	1	8/5/2011 2:40:00 PM
Cadmium	ND	0.100		mg/L	1	8/5/2011 2:40:00 PM
Chromium	ND	0.500		mg/L	1	8/5/2011 2:40:00 PM
Lead	ND	0.500		mg/L	1	8/5/2011 2:40:00 PM
Mercury	ND	0.250		mg/L	1	8/5/2011 2:40:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/4/2011 1:58:00 PM

**Project:** Hytec

**Lab ID:** 1108018-003

**Matrix:** Soil

**Client Sample ID:** HE-11-080411

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**TCLP by EPA Method 1311**

Batch ID: 920

Analyst: MC

Selenium	ND	1.00		mg/L	1	8/5/2011 2:40:00 PM
Silver	ND	0.100		mg/L	1	8/5/2011 2:40:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108018

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

TCLP by EPA Method 1311

Sample ID: <b>MB-920</b>	SampType: <b>MBLK</b>	Units: <b>mg/L</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1461</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>920</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26187</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.500									
Cadmium	ND	0.100									
Chromium	ND	0.500									
Lead	ND	0.500									
Mercury	ND	0.250									
Selenium	ND	1.00									
Silver	ND	0.100									

Sample ID: <b>LCS-920</b>	SampType: <b>LCS</b>	Units: <b>mg/L</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1461</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>920</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26188</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	28.9	0.500	25.00	0	116	65	135				
Cadmium	23.7	0.100	25.00	0	94.8	65	135				
Chromium	24.3	0.500	25.00	0	97.2	65	135				
Lead	24.7	0.500	25.00	0	98.8	65	135				
Selenium	2.42	1.00	2.500	0	96.9	65	135				
Silver	1.12	0.100	1.250	0	89.6	65	135				

Sample ID: <b>1108018-001BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/L</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1461</b>							
Client ID: <b>HE-09-080411</b>	Batch ID: <b>920</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26190</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.500						0	0	30	R
Cadmium	ND	0.100						0	0	30	
Chromium	ND	0.500						0	0	30	R

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108018  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**TCLP by EPA Method 1311**

Sample ID: <b>1108018-001BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/L</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1461</b>							
Client ID: <b>HE-09-080411</b>	Batch ID: <b>920</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26190</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.500						0	0	20	
Mercury	ND	0.250						0	0	20	
Selenium	ND	1.00						0	0	20	
Silver	ND	0.100						0	0	20	R

Sample ID: <b>1108018-001BMS</b>	SampType: <b>MS</b>	Units: <b>mg/L</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1461</b>							
Client ID: <b>HE-09-080411</b>	Batch ID: <b>920</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26191</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	25.8	0.500	25.00	0.01091	103	65	135				
Cadmium	21.2	0.100	25.00	0	84.7	65	135				
Chromium	21.3	0.500	25.00	0.1375	84.8	65	135				
Lead	22.1	0.500	25.00	0	88.3	65	135				
Selenium	2.18	1.00	2.500	0	87.1	65	135				
Silver	1.03	0.100	1.250	0.003520	81.8	65	135				

Sample ID: <b>1108018-001BMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/L</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1461</b>							
Client ID: <b>HE-09-080411</b>	Batch ID: <b>920</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26192</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	25.5	0.500	25.00	0.01091	102	65	135	25.79	1.01	30	
Cadmium	20.9	0.100	25.00	0	83.4	65	135	21.18	1.57	30	
Chromium	20.9	0.500	25.00	0.1375	83.2	65	135	21.33	1.82	30	
Lead	22.4	0.500	25.00	0	89.8	65	135	22.07	1.68	30	
Selenium	2.19	1.00	2.500	0	87.4	65	135	2.178	0.364	30	
Silver	1.03	0.100	1.250	0.003520	81.9	65	135	1.026	0.158	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 8/9/2011

Work Order: 1108018  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**TCLP by EPA Method 1311**

Sample ID: <b>CCV-HG</b>	SampType: <b>CCV</b>	Units: <b>mg/L</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1461</b>							
Client ID: <b>CCV</b>	Batch ID: <b>920</b>	Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26369</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.250	0.005000	0	96.1	90	110				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 8/9/2011

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1108018-003BDUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 8/5/2011	RunNo: 1469							
Client ID: HE-11-080411	Batch ID: 919		Analysis Date: 8/8/2011	SeqNo: 26293							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	224						0	0	30	
Bis(2-chloroethyl) ether	ND	224						0	0	30	
2-Chlorophenol	ND	112						0	0	30	
1,3-Dichlorobenzene	ND	112						0	0	30	
1,4-Dichlorobenzene	ND	112						0	0	30	
1,2-Dichlorobenzene	ND	112						0	0	30	
Benzyl alcohol	ND	112						0	0	30	
2-Methylphenol (o-cresol)	ND	112						0	0	30	
Hexachloroethane	ND	112						0	0	30	
N-Nitrosodi-n-propylamine	ND	112						0	0	30	
Nitrobenzene	ND	224						0	0	30	
Isophorone	ND	112						0	0	30	
4-Methylphenol	ND	112						0	0	30	
2-Nitrophenol	ND	224						0	0	30	
2,4-Dimethylphenol	ND	112						0	0	30	
Bis(2-chloroethoxy)methane	ND	112						0	0	30	
2,4-Dichlorophenol	ND	224						0	0	30	
1,2,4-Trichlorobenzene	ND	112						0	0	30	
Naphthalene	ND	112						0	0	30	
4-Chloroaniline	ND	560						0	0	30	
Hexachlorobutadiene	ND	112						0	0	30	
4-Chloro-3-methylphenol	ND	560						0	0	30	
2-Methylnaphthalene	ND	112						0	0	30	
1-Methylnaphthalene	ND	112						0	0	30	
Hexachlorocyclopentadiene	ND	112						0	0	30	
2,4,6-Trichlorophenol	ND	224						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID:	1108018-003BDUP	SampType:	DUP	Units:	µg/Kg-dry	Prep Date:	8/5/2011	RunNo:	1469		
Client ID:	HE-11-080411	Batch ID:	919	Analysis Date:	8/8/2011	SeqNo:	26293				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	224						0	0	30	
2-Chloronaphthalene	ND	112						0	0	30	
2-Nitroaniline	ND	560						0	0	30	
Acenaphthene	ND	112						0	0	30	
Dimethylphthalate	21,300	112						45,430	72.4	30	R
2,6-Dinitrotoluene	ND	112						0	0	30	
Acenaphthylene	ND	112						0	0	30	
2,4-Dinitrophenol	ND	224						0	0	30	
Dibenzofuran	ND	112						0	0	30	
2,4-Dinitrotoluene	ND	112						0	0	30	
4-Nitrophenol	ND	560						0	0	30	
Fluorene	ND	112						0	0	30	
4-Chlorophenyl phenyl ether	ND	112						0	0	30	
Diethylphthalate	ND	112						0	0	30	R
4,6-Dinitro-2-methylphenol	ND	224						0	0	30	
4-Bromophenyl phenyl ether	ND	112						0	0	30	
Hexachlorobenzene	ND	112						0	0	30	
Pentachlorophenol	ND	112						0	0	30	
Phenanthrene	ND	112						0	0	30	
Anthracene	ND	112						0	0	30	
Carbazole	ND	560						0	0	30	
Di-n-butylphthalate	125	112						103.9	18.7	30	
Fluoranthene	ND	112						0	0	30	
Pyrene	ND	112						0	0	30	
Butyl Benzylphthalate	ND	112						112.3	200	30	R
bis(2-Ethylhexyl)adipate	ND	112						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: <b>1108018-003BDUP</b> SampType: <b>DUP</b> Units: <b>µg/Kg-dry</b> Prep Date: <b>8/5/2011</b> RunNo: <b>1469</b> Client ID: <b>HE-11-080411</b> Batch ID: <b>919</b> Analysis Date: <b>8/8/2011</b> SeqNo: <b>26293</b>											
Benz (a) anthracene	ND	89.6						0	0	30	
Chrysene	ND	89.6						0	0	30	
bis (2-Ethylhexyl) phthalate	1,590	112						1,792	11.9	30	
Di-n-octyl phthalate	ND	89.6						0	0	30	
Benzo (b) fluoranthene	ND	89.6						0	0	30	
Benzo (k) fluoranthene	ND	89.6						0	0	30	
Benzo (a) pyrene	ND	89.6						0	0	30	
Indeno (1,2,3-cd) pyrene	ND	89.6						0	0	30	
Dibenz (a,h) anthracene	ND	89.6						0	0	30	
Benzo (g,h,i) perylene	ND	89.6						0	0	30	
Surr: 2,4,6-Tribromophenol	5,680		4,482		127	40	140		0		
Surr: 2-Fluorobiphenyl	2,270		2,241		101	50	130		0		
Surr: 2-Fluorophenol	4,760		4,482		106	40	140		0		
Surr: Nitrobenzene-d5	2,430		2,241		108	50	130		0		
Surr: Phenol-d6	4,860		4,482		108	50	140		0		
Surr: p-Terphenyl	1,630		2,241		72.7	40	130		0		

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: <b>1108018-003BMS</b> SampType: <b>MS</b> Units: <b>µg/Kg-dry</b> Prep Date: <b>8/5/2011</b> RunNo: <b>1469</b> Client ID: <b>HE-11-080411</b> Batch ID: <b>919</b> Analysis Date: <b>8/8/2011</b> SeqNo: <b>26294</b>											
Phenol	4,260	224	4,471	0	95.2	40	140				
2-Chlorophenol	3,930	112	4,471	0	87.9	40	140				
1,4-Dichlorobenzene	1,850	112	2,236	0	82.6	50	130				
N-Nitrosodi-n-propylamine	1,690	112	2,236	0	75.7	50	130				
1,2,4-Trichlorobenzene	1,370	112	2,236	0	61.4	50	130				

**Qualifiers:** E Value above quantitation range    H Holding times for preparation or analysis exceeded    J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit    R RPD outside accepted recovery limits    RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108018

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108018-003BMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1469</b>							
Client ID: <b>HE-11-080411</b>	Batch ID: <b>919</b>		Analysis Date: <b>8/8/2011</b>	SeqNo: <b>26294</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	5,520	559	4,471	0	123	40	140				
Acenaphthene	1,770	112	2,236	0	79.1	50	130				
2,4-Dinitrotoluene	2,600	112	2,236	0	116	50	130				
Pentachlorophenol	4,380	112	4,471	0	97.9	40	140				
Pyrene	1,700	112	2,236	0	76.2	50	130				
Surr: 2,4,6-Tribromophenol	5,810		4,471		130	40	140				
Surr: 2-Fluorobiphenyl	2,320		2,236		104	50	130				
Surr: 2-Fluorophenol	4,940		4,471		110	40	140				
Surr: Nitrobenzene-d5	2,600		2,236		116	50	130				
Surr: Phenol-d6	5,120		4,471		115	50	140				
Surr: p-Terphenyl	1,840		2,236		82.4	40	130				

Sample ID: <b>1108018-003BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1469</b>							
Client ID: <b>HE-11-080411</b>	Batch ID: <b>919</b>		Analysis Date: <b>8/8/2011</b>	SeqNo: <b>26295</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	4,090	222	4,445	0	92.1	40	140	4,258	3.97	30	
2-Chlorophenol	3,810	111	4,445	0	85.6	40	140	3,928	3.13	30	
1,4-Dichlorobenzene	1,790	111	2,222	0	80.7	50	130	1,845	2.84	30	
N-Nitrosodi-n-propylamine	1,610	111	2,222	0	72.6	50	130	1,692	4.78	30	
1,2,4-Trichlorobenzene	1,380	111	2,222	0	61.9	50	130	1,372	0.239	30	
4-Chloro-3-methylphenol	5,030	556	4,445	0	113	40	140	5,519	9.22	30	
Acenaphthene	1,920	111	2,222	0	86.6	50	130	1,768	8.51	30	
2,4-Dinitrotoluene	2,480	111	2,222	0	112	50	130	2,598	4.56	30	
Pentachlorophenol	4,230	111	4,445	0	95.2	40	140	4,377	3.38	30	
Pyrene	1,540	111	2,222	0	69.4	50	130	1,703	9.95	30	

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108018-003BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1469</b>							
Client ID: <b>HE-11-080411</b>	Batch ID: <b>919</b>		Analysis Date: <b>8/8/2011</b>	SeqNo: <b>26295</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4,6-Tribromophenol	4,710		4,445		106	40	140		0		
Surr: 2-Fluorobiphenyl	2,220		2,222		99.8	50	130		0		
Surr: 2-Fluorophenol	3,740		4,445		84.1	40	140		0		
Surr: Nitrobenzene-d5	2,500		2,222		113	50	130		0		
Surr: Phenol-d6	3,930		4,445		88.4	50	140		0		
Surr: p-Terphenyl	1,550		2,222		69.7	40	130		0		

Sample ID: <b>LCS-919</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1469</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>919</b>		Analysis Date: <b>8/8/2011</b>	SeqNo: <b>26297</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	3,510	200	4,000	0	87.7	40	140				
2-Chlorophenol	3,450	100	4,000	0	86.2	40	140				
1,4-Dichlorobenzene	1,700	100	2,000	0	84.8	50	130				
N-Nitrosodi-n-propylamine	1,320	100	2,000	0	65.9	50	130				
1,2,4-Trichlorobenzene	1,230	100	2,000	0	61.6	50	130				
4-Chloro-3-methylphenol	3,840	500	4,000	0	96.1	40	140				
Acenaphthene	1,590	100	2,000	0	79.6	50	130				
2,4-Dinitrotoluene	1,840	100	2,000	0	91.9	50	130				
Pentachlorophenol	2,660	100	4,000	0	66.6	40	140				
Pyrene	1,680	100	2,000	0	84.1	50	130				
Surr: 2,4,6-Tribromophenol	3,850		4,000		96.3	40	140				
Surr: 2-Fluorobiphenyl	1,930		2,000		96.6	50	130				
Surr: 2-Fluorophenol	4,520		4,000		113	40	140				
Surr: Nitrobenzene-d5	2,000		2,000		99.8	50	130				
Surr: Phenol-d6	4,130		4,000		103	50	140				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				



Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>LCS-919</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1469</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>919</b>		Analysis Date: <b>8/8/2011</b>	SeqNo: <b>26297</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: p-Terphenyl                      1,610                      2,000                      80.4                      40                      130

Sample ID: <b>MB-919</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1469</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>919</b>		Analysis Date: <b>8/8/2011</b>	SeqNo: <b>26298</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	ND	200
Bis(2-chloroethyl) ether	ND	200
2-Chlorophenol	ND	100
1,3-Dichlorobenzene	ND	100
1,4-Dichlorobenzene	ND	100
1,2-Dichlorobenzene	ND	100
Benzyl alcohol	ND	100
2-Methylphenol (o-cresol)	ND	100
Hexachloroethane	ND	100
N-Nitrosodi-n-propylamine	ND	100
Nitrobenzene	ND	200
Isophorone	ND	100
4-Methylphenol	ND	100
2-Nitrophenol	ND	200
2,4-Dimethylphenol	ND	100
Bis(2-chloroethoxy)methane	ND	100
2,4-Dichlorophenol	ND	200
1,2,4-Trichlorobenzene	ND	100
Naphthalene	ND	100
4-Chloroaniline	ND	500

<b>Qualifiers:</b>	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not detected at the Reporting Limit	R RPD outside accepted recovery limits	RL Reporting Limit
	S Spike recovery outside accepted recovery limits		

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>MB-919</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1469</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>919</b>		Analysis Date: <b>8/8/2011</b>	SeqNo: <b>26298</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits				

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-919</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1469</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>919</b>		Analysis Date: <b>8/8/2011</b>	SeqNo: <b>26298</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									
Surr: 2,4,6-Tribromophenol	3,760		4,000		94.0	40	140				
Surr: 2-Fluorobiphenyl	1,980		2,000		99.2	50	130				
Surr: 2-Fluorophenol	4,800		4,000		120	40	140				
Surr: Nitrobenzene-d5	2,080		2,000		104	50	130				
Surr: Phenol-d6	4,210		4,000		105	50	140				
Surr: p-Terphenyl	1,670		2,000		83.5	40	130				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**
**Volatile Organic Compounds by EPA Method 8260**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits				

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-917</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1459</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>917</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26160</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
Chloroprene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-917</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1459</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>917</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26160</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.0180		0.02000		90.2	72	135				
Surr: Dibromofluoromethane	0.0185		0.02000		92.6	75.1	135				
Surr: Toluene-d8	0.0199		0.02000		99.7	76.5	134				

Sample ID: <b>LCS-917</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1459</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>917</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26161</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.217	0.0500	0.2000	0	109	65	135				
Benzene	0.198	0.0200	0.2000	0	99.0	72.4	128				
Trichloroethene (TCE)	0.189	0.0300	0.2000	0	94.7	65.7	135				
Toluene	0.212	0.0200	0.2000	0	106	70.8	131				
Chlorobenzene	0.209	0.0200	0.2000	0	105	65	134				
Surr: 1-Bromo-4-fluorobenzene	0.0203		0.02000		101	72	135				
Surr: Dibromofluoromethane	0.0190		0.02000		95.2	75.1	135				
Surr: Toluene-d8	0.0209		0.02000		104	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID:	1108018-002ADUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	8/5/2011	RunNo:	1459		
Client ID:	HE-10-080411	Batch ID:	917	Analysis Date:	8/5/2011	SeqNo:	26164				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0723						0	0	30	
Chloromethane	ND	0.0723						0	0	30	
Vinyl chloride	ND	0.00241						0	0	30	
Bromomethane	ND	0.108						0	0	30	
Trichlorofluoromethane (CFC-11)	0.0807	0.0602						0.1014	22.8	30	
Chloroethane	ND	0.0723						0	0	30	
1,1-Dichloroethene	ND	0.0602						0	0	30	
Methylene chloride	ND	0.0241						0	0	30	
trans-1,2-Dichloroethene	ND	0.0241						0	0	30	
1,1-Dichloroethane	ND	0.0241						0	0	30	
2,2-Dichloropropane	ND	0.0602						0	0	30	
cis-1,2-Dichloroethene	ND	0.0241						0	0	30	
Chloroform	ND	0.0241						0	0	30	
Trichloroethane (TCA)	ND	0.0241						0	0	30	
1,1-Dichloropropene	ND	0.0241						0	0	30	
Carbon tetrachloride	ND	0.0241						0	0	30	
1,2-Dichloroethane	ND	0.0361						0	0	30	
Benzene	ND	0.0241						0	0	30	
Trichloroethene (TCE)	ND	0.0361						0	0	30	
1,2-Dichloropropane	ND	0.0241						0	0	30	
Bromodichloromethane	ND	0.0241						0	0	30	
Dibromomethane	ND	0.0482						0	0	30	
cis-1,3-Dichloropropene	ND	0.0241						0	0	30	
Toluene	ND	0.0241						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0361						0	0	30	
1,1,2-Trichloroethane	ND	0.0361						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108018

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1108018-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/5/2011	RunNo: 1459							
Client ID: HE-10-080411	Batch ID: 917		Analysis Date: 8/5/2011	SeqNo: 26164							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0602						0	0	30	
Tetrachloroethene (PCE)	ND	0.0241						0	0	30	
Dibromochloromethane	ND	0.0361						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00602						0	0	30	
Chlorobenzene	ND	0.0241						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0361						0	0	30	
Ethylbenzene	ND	0.0361						0	0	30	
m,p-Xylene	ND	0.0241						0	0	30	
o-Xylene	ND	0.0241						0	0	30	
Styrene	ND	0.0241						0	0	30	
Isopropylbenzene	ND	0.0964						0	0	30	
Bromoform	ND	0.0241						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0241						0	0	30	
n-Propylbenzene	ND	0.0241						0	0	30	
Bromobenzene	ND	0.0361						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0241						0	0	30	
2-Chlorotoluene	ND	0.0241						0	0	30	
4-Chlorotoluene	ND	0.0241						0	0	30	
tert-Butylbenzene	ND	0.0241						0	0	30	
1,2,3-Trichloropropane	ND	0.0241						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0602						0	0	30	
sec-Butylbenzene	ND	0.0241						0	0	30	
4-Isopropyltoluene	ND	0.0241						0	0	30	
Chloroprene	ND	0.0241						0	0	30	
1,3-Dichlorobenzene	ND	0.0241						0	0	30	
1,4-Dichlorobenzene	ND	0.0241						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108018

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1108018-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1459</b>							
Client ID: <b>HE-10-080411</b>	Batch ID: <b>917</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26164</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0241						0	0	30	
1,2-Dichlorobenzene	ND	0.0241						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0361						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0241						0	0	30	
Hexachloro-1,3-butadiene	ND	0.120						0	0	30	
Naphthalene	ND	0.0361						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0241						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.0189		0.02410		78.3	72	135		0		
Surr: Dibromofluoromethane	0.0262		0.02410		109	75.1	135		0		
Surr: Toluene-d8	0.0228		0.02410		94.5	76.5	134		0		

Sample ID: <b>1108018-003AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/5/2011</b>	RunNo: <b>1459</b>							
Client ID: <b>HE-11-080411</b>	Batch ID: <b>917</b>		Analysis Date: <b>8/5/2011</b>	SeqNo: <b>26166</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.177	0.0494	0.1974	0	89.6	65	135				
Benzene	0.160	0.0197	0.1974	0	81.1	65	135				
Trichloroethene (TCE)	0.171	0.0296	0.1974	0	86.5	65	135				
Toluene	0.166	0.0197	0.1974	0.001025	83.8	65	135				
Chlorobenzene	0.168	0.0197	0.1974	0	85.3	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0153		0.01974		77.4	72	135				
Surr: Dibromofluoromethane	0.0199		0.01974		101	75.1	135				
Surr: Toluene-d8	0.0183		0.01974		92.6	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

# Chain of Custody Record



1311 N. 35th Street  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

Client: Calibre

Address:

City, State, Zip

Tel:

Laboratory Project No (Internal):

1108018, 1108019

Page:

1 of 1

Project Name:

Hytex/Coflein

Location:

Little rock, WA

Collected by:

JNESTE

Reports To (PM):

Tom Mckeon  
Grant Dawson  
Justin Nestre

Fax:

Email:

Project No: K0308000

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	BTEX: EPA 8260	Gasoline Range Organics	Hydrocarbon Identification (HIC)	SEMI VOL (EPA 8270)	PAH (EPA 8270)	PCBs (EPA 8082)	CI Pesticides (EPA 8081)	CI Herbicides (EPA 81514)	Metals* (6020 / 200.8)	Total (T) / Dissolved (D)	Anions (Cl <sup>-</sup> )	Comments/Depth
1 HE-09-080411	8/4/11	1336	Soil	X			X								X	
2 HE-10-080411	8/4/11	1350	Soil	X			X								X	
3 HE-11-080411	8/4/11	1358	Soil	X			X								X	
4 BDX-14-080411	8/4/11	1415	Soil								X	T				
5 BDX-15-080411	8/4/11	1422	Soil								X	T				
6 BDX-16-080411	8/4/11	1430	Soil								X	T				
7 Dupl-080411	8/4/11	0900	Soil								X	T				
8																
9																
10																

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Special Remarks:  
Hold BDX Samples  
for possible SWC analysis

Relinquished Date/Time: 8/4/11 1653  
Relinquished Date/Time: 8/4/11 1653

TAT -> Next Day 2 Day 3 Day 5TD



1311 N. 35th Street  
 Seattle, WA 98103  
 Tel: 206-352-3790  
 Fax: 206-352-7178

# Chain of Custody Record

Laboratory Project No (Internal): 1108018 408079

Page: 1 of 1  
 Date: 8/4/11  
 Project Name: Hytic/Koeflin  
 Location: Little Rock, WA  
 Collected by: J NESTE

Client: Calibre  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Reports To (PM): \_\_\_\_\_  
 Project No: K0308000  
 Email: \_\_\_\_\_  
 Fax: \_\_\_\_\_

Sample Name	Sample Date	Sample Time	Sample Type (Metric)	VOC (EPA act6)	SVOC (EPA act6)	PCB (EPA act6)	PAH (EPA act6)	SEM/VOA (EPA act6)	Asbestos (EPA act6)	Lead (EPA act6)	Cadmium (EPA act6)	Mercury (EPA act6)	Chloride (EPA act6)	Sulfate (EPA act6)	Fluoride (EPA act6)	Nitrate+Nitrite (EPA act6)	Other Metals (EPA act6)	Comments/Depth
1 HE-09-080411	8/4/11	1336	Soil	X														Requested TULP CRAB rather than just Cadmium and Lead. Per TLO from Clint + 8/9/11.
2 HE-10-080411	8/4/11	1350	Soil	X														
3 HE-11-080411	8/4/11	1358	Soil	X														
4 BDX-14-080411	8/4/11	1415	Soil							X	T							
5 BDX-15-080411	8/4/11	1422	Soil							X	T							
6 BDX-16-080411	8/4/11	1430	Soil							X	T							
7 Dupl-080411	8/4/11	0900	Soil							X	T							
8																		
9																		
10																		

\*Metals Analysis (Circle): MTCA-3 RCRA-8 Priority Pollutants TAL Individual Ag Al As B Ba Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sn Sb Se Sr Sm Ti Tl U V Zn

\*\*Antions (Circle): Nitrate Nitrite Chloride Sulfate Fluoride O-Phosphate Fluoride Nitrate+Nitrite

Special Remarks: Hold BDX Samples for possible side analysis

Retrieved Date/Time: 8/4/11 1653  
 Retrieved Date/Time: 8/4/11 1653

TAT -> New Day 2 Day 3 Day STD



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1108039**

August 11, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 2 sample(s) on 8/10/2011 for the analyses presented in the following report.

***Bulk Density by ASTM D-2937***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Justin Neste



Date: 08/11/2011

---

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1108039

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1108039-001	HE-12-081011	08/10/2011 1:45 PM	08/10/2011 4:07 PM
1108039-002	HE-13-081011	08/10/2011 1:50 PM	08/10/2011 4:07 PM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned



WO#: 1108039  
Date Reported: 8/11/2011

CLIENT: Calibre  
Project: Hytec

Lab Order: 1108039

Lab ID: 1108039-001

Collection Date: 8/10/2011 1:45:00 PM

Client Sample ID: HE-12-081011

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Bulk Density by ASTM D-2937**

Batch ID: R1489 Analyst: MCR

Bulk Density	1.56	0		g/cm3	1	8/11/2011 9:12:25 AM
--------------	------	---	--	-------	---	----------------------

Lab ID: 1108039-002

Collection Date: 8/10/2011 1:50:00 PM

Client Sample ID: HE-13-081011

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Bulk Density by ASTM D-2937**

Batch ID: R1489 Analyst: MCR

Bulk Density	1.26	0		g/cm3	1	8/11/2011 9:12:25 AM
--------------	------	---	--	-------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

# Chain of Custody Record



1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: CALIBRE

Address:  
City, State, Zip

Laboratory Project No (Internal): 1108039  
Page: 1 of 1

Project Name: Hyrec/Lufkin  
Location: LITTLE ROCK, WA  
Collected by: JN ESTE

Date: 8-10-11

Project Name:  
Location:  
Collected by:

Tel:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Reports To (PM):	Fax:	Email:	Project No:	Comments/Depth
Tom Mekeon								
Grant Dawson								
Justin Nesre								
1 HE-12-081011	8/10/11	1345	Soil					
2 HE-13-081011	8/10/11	1350	Soil					
3								
4								
5								
6								
7								
8								
9								
10								

Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na N Pb Sb Se Sr Sn Ti U V Zn  
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite  
 Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished	Date/Time	Received	Date/Time
x	8/10/11 1607	x	8/10/11 16:07
Relinquished	Date/Time	Received	Date/Time
x		x	

Special Remarks:

TAT → Next Day 2 Day 3 Day STD



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1108068**

August 18, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 4 sample(s) on 8/16/2011 for the analyses presented in the following report.

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 6020***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Justin Neste  
Tom McKeon





Date: 08/18/2011

---

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1108068

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1108068-001	HM-01-081511	08/15/2011 3:30 PM	08/16/2011 4:04 PM
1108068-002	HM-02-081511	08/15/2011 3:35 PM	08/16/2011 4:04 PM
1108068-003	HM-03-081511	08/15/2011 3:40 PM	08/16/2011 4:04 PM
1108068-004	HM-04-081511	08/15/2011 3:45 PM	08/16/2011 4:04 PM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Calibre

**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:30:00 PM

**Project:** Hytec

**Lab ID:** 1108068-001

**Matrix:** Soil

**Client Sample ID:** HM-01-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 959

Analyst: SG

Phenol	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Bis(2-chloroethyl) ether	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2-Chlorophenol	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
1,3-Dichlorobenzene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
1,4-Dichlorobenzene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
1,2-Dichlorobenzene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Benzyl alcohol	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2-Methylphenol (o-cresol)	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Hexachloroethane	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
N-Nitrosodi-n-propylamine	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Nitrobenzene	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Isophorone	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
4-Methylphenol	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2-Nitrophenol	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2,4-Dimethylphenol	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Bis(2-chloroethoxy)methane	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2,4-Dichlorophenol	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
1,2,4-Trichlorobenzene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Naphthalene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
4-Chloroaniline	ND	517		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Hexachlorobutadiene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
4-Chloro-3-methylphenol	ND	517		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2-Methylnaphthalene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
1-Methylnaphthalene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Hexachlorocyclopentadiene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2,4,6-Trichlorophenol	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2,4,5-Trichlorophenol	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2-Chloronaphthalene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2-Nitroaniline	ND	517		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Acenaphthene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Dimethylphthalate	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2,6-Dinitrotoluene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Acenaphthylene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
2,4-Dinitrophenol	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Dibenzofuran	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:30:00 PM

**Project:** Hytec

**Lab ID:** 1108068-001

**Matrix:** Soil

**Client Sample ID:** HM-01-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 959

Analyst: SG

2,4-Dinitrotoluene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
4-Nitrophenol	ND	517		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Fluorene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
4-Chlorophenyl phenyl ether	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Diethylphthalate	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
4,6-Dinitro-2-methylphenol	ND	207		µg/Kg-dry	1	8/18/2011 1:44:00 PM
4-Bromophenyl phenyl ether	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Hexachlorobenzene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Pentachlorophenol	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Phenanthrene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Anthracene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Carbazole	ND	517		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Di-n-butylphthalate	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Fluoranthene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Pyrene	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Butyl Benzylphthalate	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
bis(2-Ethylhexyl)adipate	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Benz (a) anthracene	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Chrysene	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
bis (2-Ethylhexyl) phthalate	ND	103		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Di-n-octyl phthalate	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Benzo (b) fluoranthene	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Benzo (k) fluoranthene	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Benzo (a) pyrene	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Indeno (1,2,3-cd) pyrene	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Dibenz (a,h) anthracene	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Benzo (g,h,i) perylene	ND	82.8		µg/Kg-dry	1	8/18/2011 1:44:00 PM
Surr: 2,4,6-Tribromophenol	47.8	40-140		%REC	1	8/18/2011 1:44:00 PM
Surr: 2-Fluorobiphenyl	45.8	50-130	S	%REC	1	8/18/2011 1:44:00 PM
Surr: Nitrobenzene-d5	53.3	50-130		%REC	1	8/18/2011 1:44:00 PM
Surr: Phenol-d6	54.9	50-140		%REC	1	8/18/2011 1:44:00 PM
Surr: p-Terphenyl	68.1	40-130		%REC	1	8/18/2011 1:44:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:30:00 PM

**Project:** Hytec

**Lab ID:** 1108068-001

**Matrix:** Soil

**Client Sample ID:** HM-01-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 956

Analyst:

Dichlorodifluoromethane (CFC-12)	ND	0.0702		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Chloromethane	ND	0.0702		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Vinyl chloride	ND	0.00234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Bromomethane	ND	0.105		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Trichlorofluoromethane (CFC-11)	0.0589	0.0585		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Chloroethane	ND	0.0702		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,1-Dichloroethene	ND	0.0585		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Methylene chloride	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
trans-1,2-Dichloroethene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,1-Dichloroethane	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
2,2-Dichloropropane	ND	0.0585		mg/Kg-dry	1	8/17/2011 1:16:00 PM
cis-1,2-Dichloroethene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Chloroform	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Trichloroethane (TCA)	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,1-Dichloropropene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Carbon tetrachloride	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2-Dichloroethane	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Benzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Trichloroethene (TCE)	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2-Dichloropropane	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Bromodichloromethane	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Dibromomethane	ND	0.0468		mg/Kg-dry	1	8/17/2011 1:16:00 PM
cis-1,3-Dichloropropene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Toluene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
trans-1,3-Dichloropropylene	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,1,2-Trichloroethane	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,3-Dichloropropane	ND	0.0585		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Tetrachloroethene (PCE)	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Dibromochloromethane	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2-Dibromoethane (EDB)	ND	0.00585		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Chlorobenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Ethylbenzene	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
m,p-Xylene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
o-Xylene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:30:00 PM

**Project:** Hytec

**Lab ID:** 1108068-001

**Matrix:** Soil

**Client Sample ID:** HM-01-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 956

Analyst:

Styrene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Isopropylbenzene	ND	0.0936		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Bromoform	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
n-Propylbenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Bromobenzene	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,3,5-Trimethylbenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
2-Chlorotoluene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
4-Chlorotoluene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
tert-Butylbenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2,3-Trichloropropane	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2,4-Trichlorobenzene	ND	0.0585		mg/Kg-dry	1	8/17/2011 1:16:00 PM
sec-Butylbenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
4-Isopropyltoluene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Chloroprene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,3-Dichlorobenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,4-Dichlorobenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
n-Butylbenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2-Dichlorobenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2,4-Trimethylbenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Hexachloro-1,3-butadiene	ND	0.117		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Naphthalene	ND	0.0351		mg/Kg-dry	1	8/17/2011 1:16:00 PM
1,2,3-Trichlorobenzene	ND	0.0234		mg/Kg-dry	1	8/17/2011 1:16:00 PM
Surr: 1-Bromo-4-fluorobenzene	77.8	72-135		%REC	1	8/17/2011 1:16:00 PM
Surr: Dibromofluoromethane	112	75.1-135		%REC	1	8/17/2011 1:16:00 PM
Surr: Toluene-d8	88.2	76.5-134		%REC	1	8/17/2011 1:16:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 960

Analyst: BR

Cadmium	0.237	0.171		mg/Kg-dry	1	8/17/2011 2:19:33 PM
Lead	5.20	0.171		mg/Kg-dry	1	8/17/2011 2:19:33 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:35:00 PM

**Project:** Hytec

**Lab ID:** 1108068-002

**Matrix:** Soil

**Client Sample ID:** HM-02-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 959

Analyst: SG

Phenol	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Bis(2-chloroethyl) ether	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2-Chlorophenol	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
1,3-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
1,4-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
1,2-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Benzyl alcohol	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2-Methylphenol (o-cresol)	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Hexachloroethane	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
N-Nitrosodi-n-propylamine	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Nitrobenzene	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Isophorone	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
4-Methylphenol	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2-Nitrophenol	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2,4-Dimethylphenol	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Bis(2-chloroethoxy)methane	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2,4-Dichlorophenol	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
1,2,4-Trichlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Naphthalene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
4-Chloroaniline	ND	532		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Hexachlorobutadiene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
4-Chloro-3-methylphenol	ND	532		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
1-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Hexachlorocyclopentadiene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2,4,6-Trichlorophenol	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2,4,5-Trichlorophenol	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2-Chloronaphthalene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2-Nitroaniline	ND	532		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Acenaphthene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Dimethylphthalate	916	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2,6-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Acenaphthylene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
2,4-Dinitrophenol	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Dibenzofuran	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/15/2011 3:35:00 PM

**Project:** Hytec

**Lab ID:** 1108068-002

**Matrix:** Soil

**Client Sample ID:** HM-02-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 959

Analyst: SG

2,4-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
4-Nitrophenol	ND	532		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Fluorene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
4-Chlorophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Diethylphthalate	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
4,6-Dinitro-2-methylphenol	ND	213		µg/Kg-dry	1	8/18/2011 2:06:00 PM
4-Bromophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Hexachlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Pentachlorophenol	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Phenanthrene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Anthracene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Carbazole	ND	532		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Di-n-butylphthalate	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Fluoranthene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Pyrene	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Butyl Benzylphthalate	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
bis(2-Ethylhexyl)adipate	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Benz (a) anthracene	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Chrysene	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
bis (2-Ethylhexyl) phthalate	ND	106		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Di-n-octyl phthalate	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Benzo (b) fluoranthene	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Benzo (k) fluoranthene	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Benzo (a) pyrene	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Indeno (1,2,3-cd) pyrene	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Dibenz (a,h) anthracene	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Benzo (g,h,i) perylene	ND	85.1		µg/Kg-dry	1	8/18/2011 2:06:00 PM
Surr: 2,4,6-Tribromophenol	56.3	40-140		%REC	1	8/18/2011 2:06:00 PM
Surr: 2-Fluorobiphenyl	61.5	50-130		%REC	1	8/18/2011 2:06:00 PM
Surr: Nitrobenzene-d5	64.0	50-130		%REC	1	8/18/2011 2:06:00 PM
Surr: Phenol-d6	57.3	50-140		%REC	1	8/18/2011 2:06:00 PM
Surr: p-Terphenyl	69.9	40-130		%REC	1	8/18/2011 2:06:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:35:00 PM

**Project:** Hytec

**Lab ID:** 1108068-002

**Matrix:** Soil

**Client Sample ID:** HM-02-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 956

Analyst:

Dichlorodifluoromethane (CFC-12)	ND	0.0850		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Chloromethane	ND	0.0850		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Vinyl chloride	ND	0.00283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Bromomethane	ND	0.128		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0708		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Chloroethane	ND	0.0850		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,1-Dichloroethene	ND	0.0708		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Methylene chloride	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
trans-1,2-Dichloroethene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,1-Dichloroethane	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
2,2-Dichloropropane	ND	0.0708		mg/Kg-dry	1	8/17/2011 2:01:00 PM
cis-1,2-Dichloroethene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Chloroform	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Trichloroethane (TCA)	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,1-Dichloropropene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Carbon tetrachloride	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2-Dichloroethane	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Benzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Trichloroethene (TCE)	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2-Dichloropropane	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Bromodichloromethane	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Dibromomethane	ND	0.0567		mg/Kg-dry	1	8/17/2011 2:01:00 PM
cis-1,3-Dichloropropene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Toluene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
trans-1,3-Dichloropropylene	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,1,2-Trichloroethane	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,3-Dichloropropane	ND	0.0708		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Tetrachloroethene (PCE)	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Dibromochloromethane	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2-Dibromoethane (EDB)	ND	0.00708		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Chlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Ethylbenzene	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
m,p-Xylene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
o-Xylene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:35:00 PM

**Project:** Hytec

**Lab ID:** 1108068-002

**Matrix:** Soil

**Client Sample ID:** HM-02-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 956

Analyst:

Styrene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Isopropylbenzene	ND	0.113		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Bromoform	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
n-Propylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Bromobenzene	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,3,5-Trimethylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
2-Chlorotoluene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
4-Chlorotoluene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
tert-Butylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2,3-Trichloropropane	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2,4-Trichlorobenzene	ND	0.0708		mg/Kg-dry	1	8/17/2011 2:01:00 PM
sec-Butylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
4-Isopropyltoluene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Chloroprene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,3-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,4-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
n-Butylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2,4-Trimethylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Hexachloro-1,3-butadiene	ND	0.142		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Naphthalene	ND	0.0425		mg/Kg-dry	1	8/17/2011 2:01:00 PM
1,2,3-Trichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 2:01:00 PM
Surr: 1-Bromo-4-fluorobenzene	82.2	72-135		%REC	1	8/17/2011 2:01:00 PM
Surr: Dibromofluoromethane	104	75.1-135		%REC	1	8/17/2011 2:01:00 PM
Surr: Toluene-d8	94.0	76.5-134		%REC	1	8/17/2011 2:01:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 960

Analyst: BR

Cadmium	ND	0.171		mg/Kg-dry	1	8/17/2011 2:25:39 PM
Lead	4.45	0.171		mg/Kg-dry	1	8/17/2011 2:25:39 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/15/2011 3:40:00 PM

**Project:** Hytec

**Lab ID:** 1108068-003

**Matrix:** Soil

**Client Sample ID:** HM-03-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 959

Analyst: SG

Phenol	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Bis(2-chloroethyl) ether	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2-Chlorophenol	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
1,3-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
1,4-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
1,2-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Benzyl alcohol	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2-Methylphenol (o-cresol)	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Hexachloroethane	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
N-Nitrosodi-n-propylamine	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Nitrobenzene	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Isophorone	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
4-Methylphenol	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2-Nitrophenol	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2,4-Dimethylphenol	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Bis(2-chloroethoxy)methane	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2,4-Dichlorophenol	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
1,2,4-Trichlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Naphthalene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
4-Chloroaniline	ND	531		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Hexachlorobutadiene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
4-Chloro-3-methylphenol	ND	531		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
1-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Hexachlorocyclopentadiene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2,4,6-Trichlorophenol	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2,4,5-Trichlorophenol	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2-Chloronaphthalene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2-Nitroaniline	ND	531		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Acenaphthene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Dimethylphthalate	10,800	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2,6-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Acenaphthylene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
2,4-Dinitrophenol	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Dibenzofuran	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:40:00 PM

**Project:** Hytec

**Lab ID:** 1108068-003

**Matrix:** Soil

**Client Sample ID:** HM-03-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 959

Analyst: SG

2,4-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
4-Nitrophenol	ND	531		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Fluorene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
4-Chlorophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Diethylphthalate	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
4,6-Dinitro-2-methylphenol	ND	212		µg/Kg-dry	1	8/18/2011 2:29:00 PM
4-Bromophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Hexachlorobenzene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Pentachlorophenol	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Phenanthrene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Anthracene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Carbazole	ND	531		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Di-n-butylphthalate	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Fluoranthene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Pyrene	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Butyl Benzylphthalate	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
bis(2-Ethylhexyl)adipate	ND	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Benz (a) anthracene	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Chrysene	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
bis (2-Ethylhexyl) phthalate	148	106		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Di-n-octyl phthalate	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Benzo (b) fluoranthene	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Benzo (k) fluoranthene	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Benzo (a) pyrene	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Indeno (1,2,3-cd) pyrene	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Dibenz (a,h) anthracene	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Benzo (g,h,i) perylene	ND	85.0		µg/Kg-dry	1	8/18/2011 2:29:00 PM
Surr: 2,4,6-Tribromophenol	69.9	40-140		%REC	1	8/18/2011 2:29:00 PM
Surr: 2-Fluorobiphenyl	59.7	50-130		%REC	1	8/18/2011 2:29:00 PM
Surr: Nitrobenzene-d5	67.3	50-130		%REC	1	8/18/2011 2:29:00 PM
Surr: Phenol-d6	57.0	50-140		%REC	1	8/18/2011 2:29:00 PM
Surr: p-Terphenyl	78.9	40-130		%REC	1	8/18/2011 2:29:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:40:00 PM

**Project:** Hytec

**Lab ID:** 1108068-003

**Matrix:** Soil

**Client Sample ID:** HM-03-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 956

Analyst:

Dichlorodifluoromethane (CFC-12)	ND	0.0835		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Chloromethane	ND	0.0835		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Vinyl chloride	ND	0.00278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Bromomethane	ND	0.125		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Trichlorofluoromethane (CFC-11)	0.144	0.0696		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Chloroethane	ND	0.0835		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,1-Dichloroethene	ND	0.0696		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Methylene chloride	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
trans-1,2-Dichloroethene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,1-Dichloroethane	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
2,2-Dichloropropane	ND	0.0696		mg/Kg-dry	1	8/17/2011 2:24:00 PM
cis-1,2-Dichloroethene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Chloroform	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Trichloroethane (TCA)	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,1-Dichloropropene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Carbon tetrachloride	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2-Dichloroethane	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Benzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Trichloroethene (TCE)	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2-Dichloropropane	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Bromodichloromethane	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Dibromomethane	ND	0.0557		mg/Kg-dry	1	8/17/2011 2:24:00 PM
cis-1,3-Dichloropropene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Toluene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
trans-1,3-Dichloropropylene	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,1,2-Trichloroethane	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,3-Dichloropropane	ND	0.0696		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Tetrachloroethene (PCE)	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Dibromochloromethane	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2-Dibromoethane (EDB)	ND	0.00696		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Chlorobenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Ethylbenzene	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
m,p-Xylene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
o-Xylene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:40:00 PM

**Project:** Hytec

**Lab ID:** 1108068-003

**Matrix:** Soil

**Client Sample ID:** HM-03-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 956

Analyst:

Styrene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Isopropylbenzene	ND	0.111		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Bromoform	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
n-Propylbenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Bromobenzene	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,3,5-Trimethylbenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
2-Chlorotoluene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
4-Chlorotoluene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
tert-Butylbenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2,3-Trichloropropane	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2,4-Trichlorobenzene	ND	0.0696		mg/Kg-dry	1	8/17/2011 2:24:00 PM
sec-Butylbenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
4-Isopropyltoluene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Chloroprene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,3-Dichlorobenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,4-Dichlorobenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
n-Butylbenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2-Dichlorobenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2,4-Trimethylbenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Hexachloro-1,3-butadiene	ND	0.139		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Naphthalene	ND	0.0418		mg/Kg-dry	1	8/17/2011 2:24:00 PM
1,2,3-Trichlorobenzene	ND	0.0278		mg/Kg-dry	1	8/17/2011 2:24:00 PM
Surr: 1-Bromo-4-fluorobenzene	81.9	72-135		%REC	1	8/17/2011 2:24:00 PM
Surr: Dibromofluoromethane	113	75.1-135		%REC	1	8/17/2011 2:24:00 PM
Surr: Toluene-d8	94.0	76.5-134		%REC	1	8/17/2011 2:24:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 960

Analyst: BR

Cadmium	0.179	0.172		mg/Kg-dry	1	8/17/2011 2:31:45 PM
Lead	7.65	0.172		mg/Kg-dry	1	8/17/2011 2:31:45 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:45:00 PM

**Project:** Hytec

**Lab ID:** 1108068-004

**Matrix:** Soil

**Client Sample ID:** HM-04-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 959

Analyst: SG

Phenol	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Bis(2-chloroethyl) ether	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2-Chlorophenol	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
1,3-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
1,4-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
1,2-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Benzyl alcohol	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2-Methylphenol (o-cresol)	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Hexachloroethane	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
N-Nitrosodi-n-propylamine	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Nitrobenzene	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Isophorone	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
4-Methylphenol	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2-Nitrophenol	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2,4-Dimethylphenol	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Bis(2-chloroethoxy)methane	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2,4-Dichlorophenol	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
1,2,4-Trichlorobenzene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Naphthalene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
4-Chloroaniline	ND	536		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Hexachlorobutadiene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
4-Chloro-3-methylphenol	ND	536		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2-Methylnaphthalene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
1-Methylnaphthalene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Hexachlorocyclopentadiene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2,4,6-Trichlorophenol	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2,4,5-Trichlorophenol	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2-Chloronaphthalene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2-Nitroaniline	ND	536		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Acenaphthene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Dimethylphthalate	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2,6-Dinitrotoluene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Acenaphthylene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
2,4-Dinitrophenol	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Dibenzofuran	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:45:00 PM

**Project:** Hytec

**Lab ID:** 1108068-004

**Matrix:** Soil

**Client Sample ID:** HM-04-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 959

Analyst: SG

2,4-Dinitrotoluene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
4-Nitrophenol	ND	536		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Fluorene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
4-Chlorophenyl phenyl ether	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Diethylphthalate	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
4,6-Dinitro-2-methylphenol	ND	214		µg/Kg-dry	1	8/18/2011 2:53:00 PM
4-Bromophenyl phenyl ether	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Hexachlorobenzene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Pentachlorophenol	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Phenanthrene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Anthracene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Carbazole	ND	536		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Di-n-butylphthalate	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Fluoranthene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Pyrene	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Butyl Benzylphthalate	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
bis(2-Ethylhexyl)adipate	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Benz (a) anthracene	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Chrysene	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
bis (2-Ethylhexyl) phthalate	ND	107		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Di-n-octyl phthalate	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Benzo (b) fluoranthene	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Benzo (k) fluoranthene	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Benzo (a) pyrene	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Indeno (1,2,3-cd) pyrene	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Dibenz (a,h) anthracene	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Benzo (g,h,i) perylene	ND	85.7		µg/Kg-dry	1	8/18/2011 2:53:00 PM
Surr: 2,4,6-Tribromophenol	73.2	40-140		%REC	1	8/18/2011 2:53:00 PM
Surr: 2-Fluorobiphenyl	57.1	50-130		%REC	1	8/18/2011 2:53:00 PM
Surr: Nitrobenzene-d5	63.8	50-130		%REC	1	8/18/2011 2:53:00 PM
Surr: Phenol-d6	58.2	50-140		%REC	1	8/18/2011 2:53:00 PM
Surr: p-Terphenyl	80.7	40-130		%REC	1	8/18/2011 2:53:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:45:00 PM

**Project:** Hytec

**Lab ID:** 1108068-004

**Matrix:** Soil

**Client Sample ID:** HM-04-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 956

Analyst:

Dichlorodifluoromethane (CFC-12)	ND	0.0849		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Chloromethane	ND	0.0849		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Vinyl chloride	ND	0.00283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Bromomethane	ND	0.127		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Trichlorofluoromethane (CFC-11)	0.0846	0.0707		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Chloroethane	ND	0.0849		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,1-Dichloroethene	ND	0.0707		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Methylene chloride	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
trans-1,2-Dichloroethene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,1-Dichloroethane	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
2,2-Dichloropropane	ND	0.0707		mg/Kg-dry	1	8/17/2011 3:09:00 PM
cis-1,2-Dichloroethene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Chloroform	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Trichloroethane (TCA)	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,1-Dichloropropene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Carbon tetrachloride	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2-Dichloroethane	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Benzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Trichloroethene (TCE)	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2-Dichloropropane	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Bromodichloromethane	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Dibromomethane	ND	0.0566		mg/Kg-dry	1	8/17/2011 3:09:00 PM
cis-1,3-Dichloropropene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Toluene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
trans-1,3-Dichloropropylene	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,1,2-Trichloroethane	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,3-Dichloropropane	ND	0.0707		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Tetrachloroethene (PCE)	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Dibromochloromethane	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2-Dibromoethane (EDB)	ND	0.00707		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Chlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Ethylbenzene	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
m,p-Xylene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
o-Xylene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108068

Date Reported: 8/18/2011

**Client:** Calibre

**Collection Date:** 8/15/2011 3:45:00 PM

**Project:** Hytec

**Lab ID:** 1108068-004

**Matrix:** Soil

**Client Sample ID:** HM-04-081511

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 956

Analyst:

Styrene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Isopropylbenzene	ND	0.113		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Bromoform	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
n-Propylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Bromobenzene	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,3,5-Trimethylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
2-Chlorotoluene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
4-Chlorotoluene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
tert-Butylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2,3-Trichloropropane	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2,4-Trichlorobenzene	ND	0.0707		mg/Kg-dry	1	8/17/2011 3:09:00 PM
sec-Butylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
4-Isopropyltoluene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Chloroprene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,3-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,4-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
n-Butylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2-Dichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2,4-Trimethylbenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Hexachloro-1,3-butadiene	ND	0.141		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Naphthalene	ND	0.0424		mg/Kg-dry	1	8/17/2011 3:09:00 PM
1,2,3-Trichlorobenzene	ND	0.0283		mg/Kg-dry	1	8/17/2011 3:09:00 PM
Surr: 1-Bromo-4-fluorobenzene	80.8	72-135		%REC	1	8/17/2011 3:09:00 PM
Surr: Dibromofluoromethane	106	75.1-135		%REC	1	8/17/2011 3:09:00 PM
Surr: Toluene-d8	95.2	76.5-134		%REC	1	8/17/2011 3:09:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 960

Analyst: BR

Cadmium	0.188	0.179		mg/Kg-dry	1	8/17/2011 2:37:49 PM
Lead	5.51	0.179		mg/Kg-dry	1	8/17/2011 2:37:49 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 6020**

Sample ID: <b>MB-960</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1541</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>960</b>		Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27813</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.200									
Lead	ND	0.200									

Sample ID: <b>LCS-960</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1541</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>960</b>		Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27814</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.71	0.200	2.500	0	108	80	120				
Lead	26.8	0.200	25.00	0	107	80	120				

Sample ID: <b>1108065-001CMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1541</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>960</b>		Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27817</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.08	0.159	1.987	0.2056	94.3	75	125				
Lead	37.5	0.159	19.87	12.77	124	75	125				

Sample ID: <b>1108065-001CMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1541</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>960</b>		Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27818</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.06	0.163	2.031	0.2056	91.4	75	125	2.080	0.828	30	
Lead	36.3	0.163	20.31	12.77	116	75	125	37.46	3.15	30	

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108068  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 6020**

Sample ID: 1108068-004BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/17/2011	RunNo: 1541							
Client ID: HM-04-081511	Batch ID: 960		Analysis Date: 8/17/2011	SeqNo: 27827							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.183						0.1880	200	30	
Lead	5.74	0.183						5.512	4.12	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1108068-004BDUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 8/17/2011	RunNo: 1551							
Client ID: HM-04-081511	Batch ID: 959		Analysis Date: 8/18/2011	SeqNo: 28007							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	217						0	0	50	
Bis(2-chloroethyl) ether	ND	217						0	0	50	
2-Chlorophenol	ND	108						0	0	50	
1,3-Dichlorobenzene	ND	108						0	0	50	
1,4-Dichlorobenzene	ND	108						0	0	50	
1,2-Dichlorobenzene	ND	108						0	0	50	
Benzyl alcohol	ND	108						0	0	50	
2-Methylphenol (o-cresol)	ND	108						0	0	50	
Hexachloroethane	ND	108						0	0	50	
N-Nitrosodi-n-propylamine	ND	108						0	0	50	
Nitrobenzene	ND	217						0	0	50	
Isophorone	ND	108						0	0	50	
4-Methylphenol	ND	108						0	0	50	
2-Nitrophenol	ND	217						0	0	50	
2,4-Dimethylphenol	ND	108						0	0	50	
Bis(2-chloroethoxy)methane	ND	108						0	0	50	
2,4-Dichlorophenol	ND	217						0	0	50	
1,2,4-Trichlorobenzene	ND	108						0	0	50	
Naphthalene	ND	108						0	0	50	
4-Chloroaniline	ND	542						0	0	50	
Hexachlorobutadiene	ND	108						0	0	50	
4-Chloro-3-methylphenol	ND	542						0	0	50	
2-Methylnaphthalene	ND	108						0	0	50	
1-Methylnaphthalene	ND	108						0	0	50	
Hexachlorocyclopentadiene	ND	108						0	0	50	
2,4,6-Trichlorophenol	ND	217						0	0	50	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1108068-004BDUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 8/17/2011	RunNo: 1551							
Client ID: HM-04-081511	Batch ID: 959		Analysis Date: 8/18/2011	SeqNo: 28007							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	217						0	0	50	
2-Chloronaphthalene	ND	108						0	0	50	
2-Nitroaniline	ND	542						0	0	50	
Acenaphthene	ND	108						0	0	50	
Dimethylphthalate	ND	108						0	0	50	
2,6-Dinitrotoluene	ND	108						0	0	50	
Acenaphthylene	ND	108						0	0	50	
2,4-Dinitrophenol	ND	217						0	0	50	
Dibenzofuran	ND	108						0	0	50	
2,4-Dinitrotoluene	ND	108						0	0	50	
4-Nitrophenol	ND	542						0	0	50	
Fluorene	ND	108						0	0	50	
4-Chlorophenyl phenyl ether	ND	108						0	0	50	
Diethylphthalate	ND	108						0	0	50	
4,6-Dinitro-2-methylphenol	ND	217						0	0	50	
4-Bromophenyl phenyl ether	ND	108						0	0	50	
Hexachlorobenzene	ND	108						0	0	50	
Pentachlorophenol	ND	108						0	0	50	
Phenanthrene	ND	108						0	0	50	
Anthracene	ND	108						0	0	50	
Carbazole	ND	542						0	0	50	
Di-n-butylphthalate	ND	108						0	0	50	
Fluoranthene	ND	108						0	0	50	
Pyrene	ND	108						0	0	50	
Butyl Benzylphthalate	ND	108						0	0	50	
bis(2-Ethylhexyl)adipate	ND	108						0	0	50	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108068-004BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>							
Client ID: <b>HM-04-081511</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28007</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz (a) anthracene	ND	86.7						0	0	50	
Chrysene	ND	86.7						0	0	50	
bis (2-Ethylhexyl) phthalate	ND	108						0	0	50	
Di-n-octyl phthalate	ND	86.7						0	0	50	
Benzo (b) fluoranthene	ND	86.7						0	0	50	
Benzo (k) fluoranthene	ND	86.7						0	0	50	
Benzo (a) pyrene	ND	86.7						0	0	50	
Indeno (1,2,3-cd) pyrene	ND	86.7						0	0	50	
Dibenz (a,h) anthracene	ND	86.7						0	0	50	
Benzo (g,h,i) perylene	ND	86.7						0	0	50	
Surr: 2,4,6-Tribromophenol	1,750		2,166		80.8	40	140		0		
Surr: 2-Fluorobiphenyl	314		541.6		58.0	50	130		0		
Surr: Nitrobenzene-d5	360		541.6		66.4	50	130		0		
Surr: Phenol-d6	1,320		1,083		122	50	140		0		
Surr: p-Terphenyl	444		541.6		82.1	40	130		0		

Sample ID: <b>1108068-004BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>							
Client ID: <b>HM-04-081511</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28009</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	521	216	1,080	0	48.2	40	140	384.8	30.1	50	
2-Chlorophenol	519	108	1,080	0	48.0	40	140	342.9	40.8	50	
1,4-Dichlorobenzene	266	108	540.0	0	49.3	50	130	240.7	10.0	50	S
N-Nitrosodi-n-propylamine	270	108	540.0	0	50.1	50	130	215.1	22.8	50	
1,2,4-Trichlorobenzene	225	108	540.0	0	41.7	50	130	178.5	23.2	50	S
4-Chloro-3-methylphenol	719	540	1,620	0	44.4	40	140	563.1	24.3	50	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108068-004BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>							
Client ID: <b>HM-04-081511</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28009</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	244	108	540.0	0	45.1	50	130	208.3	15.6	50	S
2,4-Dinitrotoluene	314	108	540.0	0	58.1	50	130	312.0	0.594	50	
Pentachlorophenol	928	108	1,080	0	85.9	40	140	793.1	15.6	50	
Pyrene	316	108	540.0	0	58.5	50	130	278.7	12.5	50	
Surr: 2,4,6-Tribromophenol	866		1,080		80.2	40	140		0		
Surr: 2-Fluorobiphenyl	325		540.0		60.2	50	130		0		
Surr: Nitrobenzene-d5	403		540.0		74.6	50	130		0		
Surr: Phenol-d6	637		1,080		59.0	50	140		0		
Surr: p-Terphenyl	469		540.0		86.9	40	130		0		

Sample ID: <b>LCS-959</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28011</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	749	200	1,000	0	74.9	40	140				
2-Chlorophenol	811	100	1,000	0	81.1	40	140				
1,4-Dichlorobenzene	753	100	1,000	0	75.3	50	130				
N-Nitrosodi-n-propylamine	846	100	1,000	0	84.6	50	130				
1,2,4-Trichlorobenzene	706	100	1,000	0	70.6	50	130				
4-Chloro-3-methylphenol	1,200	500	1,500	0	80.0	40	140				
Acenaphthene	705	100	1,000	0	70.5	50	130				
2,4-Dinitrotoluene	899	100	1,000	0	89.9	50	130				
Pentachlorophenol	848	100	1,000	0	84.8	40	140				
Pyrene	820	100	1,000	0	82.0	50	130				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-959</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28013</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	200									
Bis(2-chloroethyl) ether	ND	200									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	100									
1,4-Dichlorobenzene	ND	100									
1,2-Dichlorobenzene	ND	100									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									
Nitrobenzene	ND	200									
Isophorone	ND	100									
4-Methylphenol	ND	100									
2-Nitrophenol	ND	200									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	100									
2,4-Dichlorophenol	ND	200									
1,2,4-Trichlorobenzene	ND	100									
Naphthalene	ND	100									
4-Chloroaniline	ND	500									
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-959</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28013</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-959</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28013</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									
Surr: 2,4,6-Tribromophenol	403		1,000		40.3	40	140				
Surr: 2-Fluorobiphenyl	332		500.0		66.3	50	130				
Surr: Nitrobenzene-d5	355		500.0		70.9	50	130				
Surr: Phenol-d6	652		1,000		65.2	50	140				
Surr: p-Terphenyl	322		500.0		64.5	40	130				

Sample ID: <b>1108068-004BMS</b>	SampType: <b>MS</b>	Units: <b>%REC-dry</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>							
Client ID: <b>HM-04-081511</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28018</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
p-Terphenyl	255		538.4	0	47.4	40	130				
Phenol	385	215	1,077	0	35.7	40	140				S
2-Chlorophenol	343	108	1,077	0	31.8	40	140				S
1,4-Dichlorobenzene	241	108	538.4	0	44.7	50	130				S
N-Nitrosodi-n-propylamine	215	108	538.4	0	40.0	50	130				S
1,2,4-Trichlorobenzene	178	108	538.4	0	33.2	50	130				S

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108068-004BMS</b>	SampType: <b>MS</b>	Units: <b>%REC-dry</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1551</b>							
Client ID: <b>HM-04-081511</b>	Batch ID: <b>959</b>		Analysis Date: <b>8/18/2011</b>	SeqNo: <b>28018</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	563	538	1,615	0	34.9	40	140				S
Acenaphthene	208	108	538.4	0	38.7	50	130				S
2,4-Dinitrotoluene	312	108	538.4	0	57.9	50	130				
Pentachlorophenol	793	108	1,077	0	73.7	40	140				
Pyrene	279	108	538.4	0	51.8	50	130				
Surr: 2,4,6-Tribromophenol	736		1,077		68.3	40	140				
Surr: 2-Fluorobiphenyl	178		538.4		33.0	50	130				S
Surr: Nitrobenzene-d5	163		538.4		30.3	50	130				S
Surr: Phenol-d6	589		1,077		54.7	50	140				

**NOTES:**

S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the LCS.

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits				

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-956</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1543</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>956</b>		Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27854</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-956</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/17/2011</b>	RunNo: <b>1543</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>956</b>		Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27854</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
Chloroprene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-956</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>				Prep Date: <b>8/17/2011</b>	RunNo: <b>1543</b>				
Client ID: <b>MBLKS</b>	Batch ID: <b>956</b>					Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27854</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.0208		0.02000		104	72	135				
Surr: Dibromofluoromethane	0.0186		0.02000		93.2	75.1	135				
Surr: Toluene-d8	0.0184		0.02000		91.9	76.5	134				

Sample ID: <b>LCS-956</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>				Prep Date: <b>8/17/2011</b>	RunNo: <b>1543</b>				
Client ID: <b>LCSS</b>	Batch ID: <b>956</b>					Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27855</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.204	0.0500	0.2000	0	102	65	135				
Benzene	0.186	0.0200	0.2000	0	92.8	72.4	128				
Trichloroethene (TCE)	0.181	0.0300	0.2000	0	90.4	65.7	135				
Toluene	0.192	0.0200	0.2000	0	95.8	70.8	131				
Chlorobenzene	0.180	0.0200	0.2000	0	89.8	65	134				
Surr: 1-Bromo-4-fluorobenzene	0.0194		0.02000		97.2	72	135				
Surr: Dibromofluoromethane	0.0187		0.02000		93.3	75.1	135				
Surr: Toluene-d8	0.0189		0.02000		94.5	76.5	134				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**
**Volatile Organic Compounds by EPA Method 8260**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0884						0	0	30	
Chloromethane	ND	0.0884						0	0	30	
Vinyl chloride	ND	0.00295						0	0	30	
Bromomethane	ND	0.133						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0736						0	0	30	R
Chloroethane	ND	0.0884						0	0	30	
1,1-Dichloroethene	ND	0.0736						0	0	30	
Methylene chloride	ND	0.0295						0	0	30	
trans-1,2-Dichloroethene	ND	0.0295						0	0	30	
1,1-Dichloroethane	ND	0.0295						0	0	30	
2,2-Dichloropropane	ND	0.0736						0	0	30	
cis-1,2-Dichloroethene	ND	0.0295						0	0	30	
Chloroform	ND	0.0295						0	0	30	
Trichloroethane (TCA)	ND	0.0295						0	0	30	
1,1-Dichloropropene	ND	0.0295						0	0	30	
Carbon tetrachloride	ND	0.0295						0	0	30	
1,2-Dichloroethane	ND	0.0442						0	0	30	
Benzene	ND	0.0295						0	0	30	
Trichloroethene (TCE)	ND	0.0442						0	0	30	
1,2-Dichloropropane	ND	0.0295						0	0	30	
Bromodichloromethane	ND	0.0295						0	0	30	
Dibromomethane	ND	0.0589						0	0	30	
cis-1,3-Dichloropropene	ND	0.0295						0	0	30	
Toluene	ND	0.0295						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0442						0	0	30	
1,1,2-Trichloroethane	ND	0.0442						0	0	30	

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits				



Work Order: 1108068

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0736						0	0	30	
Tetrachloroethene (PCE)	ND	0.0295						0	0	30	
Dibromochloromethane	ND	0.0442						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00736						0	0	30	
Chlorobenzene	ND	0.0295						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0442						0	0	30	
Ethylbenzene	ND	0.0442						0	0	30	
m,p-Xylene	ND	0.0295						0	0	30	
o-Xylene	ND	0.0295						0	0	30	
Styrene	ND	0.0295						0	0	30	
Isopropylbenzene	ND	0.118						0	0	30	
Bromoform	ND	0.0295						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0295						0	0	30	
n-Propylbenzene	ND	0.0295						0	0	30	
Bromobenzene	ND	0.0442						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0295						0	0	30	
2-Chlorotoluene	ND	0.0295						0	0	30	
4-Chlorotoluene	ND	0.0295						0	0	30	
tert-Butylbenzene	ND	0.0295						0	0	30	
1,2,3-Trichloropropane	ND	0.0295						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0736						0	0	30	
sec-Butylbenzene	ND	0.0295						0	0	30	
4-Isopropyltoluene	ND	0.0295						0	0	30	
Chloroprene	ND	0.0295						0	0	30	
1,3-Dichlorobenzene	ND	0.0295						0	0	30	
1,4-Dichlorobenzene	ND	0.0295						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108068

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1108068-001ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>8/17/2011</b>	RunNo: <b>1543</b>				
Client ID: <b>HM-01-081511</b>	Batch ID: <b>956</b>					Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27860</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0295						0	0	30	
1,2-Dichlorobenzene	ND	0.0295						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0442						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0295						0	0	30	
Hexachloro-1,3-butadiene	ND	0.147						0	0	30	
Naphthalene	ND	0.0442						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0295						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.0255		0.02946		86.6	72	135		0		
Surr: Dibromofluoromethane	0.0315		0.02946		107	75.1	135		0		
Surr: Toluene-d8	0.0261		0.02946		88.6	76.5	134		0		

Sample ID: <b>1108068-004AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>8/17/2011</b>	RunNo: <b>1543</b>				
Client ID: <b>HM-04-081511</b>	Batch ID: <b>956</b>					Analysis Date: <b>8/17/2011</b>	SeqNo: <b>27861</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.305	0.0757	0.3028	0	101	65	135				
Benzene	0.238	0.0303	0.3028	0	78.6	65	135				
Trichloroethene (TCE)	0.231	0.0454	0.3028	0	76.3	65	135				
Toluene	0.219	0.0303	0.3028	0.003112	71.3	65	135				
Chlorobenzene	0.211	0.0303	0.3028	0	69.6	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0257		0.03028		84.9	72	135				
Surr: Dibromofluoromethane	0.0287		0.03028		94.8	75.1	135				
Surr: Toluene-d8	0.0258		0.03028		85.3	76.5	134				

**NOTES:**

R - High RPD due to suspected sample inhomogeneity. The method is in control as indicated by the LCS.

<b>Qualifiers:</b>	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not detected at the Reporting Limit	R RPD outside accepted recovery limits	RL Reporting Limit
	S Spike recovery outside accepted recovery limits		



**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: Calibre  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_

Reports To (PM): Tom McKeon Fax: \_\_\_\_\_

Grant Dawson  
Justin Neste

# Chain of Custody Record

Laboratory Project No (Internal): 1108068  
Page: 1 of: 1  
Project Name: Hytex Luskia  
Location: \_\_\_\_\_  
Collected by: GWP

Date: 8/15/11  
Project No: \_\_\_\_\_  
Location: \_\_\_\_\_  
Collected by: \_\_\_\_\_

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	BTEX (EPA 8260)	Gasoline Range Organics	Hydrocarbon Identification (HID)	SEM YOL (EPA 8270)	PAH (EPA 8270)	PCB (EPA 808)	Chlorinated Pesticides (EPA 8081)	Metals* (EPA 8151A)	Total (T) Dissolved (D)	Anions (C) **	Comments/Depth
1 HM-01-081511	8/15/11	1530	Soil	X			X				X				
2 HM-02-081511	8/15/11	1535	Soil	X			X				X				
3 HM-03-081511	8/15/11	1540	Soil	X			X				X				
4 HM-04-081511	8/15/11	1545	Soil	X			X				X				
5															
6															
7															
8															
9															
10															

\*Metals Analysis (Circle): MTCA-5 RCRA-8 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished Date/Time: 8/16/11 1300 Received Date/Time: 8/16/11 1408  
 Relinquished Signature: [Signature] Received Signature: [Signature]  
 Relinquished Date/Time: 8/16/11 1606 Received Date/Time: 8/16/11 16:04

TAT -> Next Day 2 Day 3 Day STD

Special Remarks:



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1108082**

August 23, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 9 sample(s) on 8/19/2011 for the analyses presented in the following report.

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 6020***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Justin Neste



Date: 08/23/2011

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1108082

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1108082-001	HM-05-081811	08/18/2011 2:30 PM	08/19/2011 8:00 AM
1108082-002	HM-06-081811	08/18/2011 2:35 PM	08/19/2011 8:00 AM
1108082-003	HM-07-081811	08/18/2011 2:40 PM	08/19/2011 8:00 AM
1108082-004	DUP3	08/18/2011 9:00 AM	08/19/2011 8:00 AM
1108082-005	HM-08-081811	08/18/2011 2:45 PM	08/19/2011 8:00 AM
1108082-006	HM-09-081811	08/18/2011 2:50 PM	08/19/2011 8:00 AM
1108082-007	HM-10-081811	08/18/2011 2:55 PM	08/19/2011 8:00 AM
1108082-008	HM-01-081811	08/18/2011 3:00 PM	08/19/2011 8:00 AM
1108082-009	HM-02-081811	08/18/2011 3:05 PM	08/19/2011 8:00 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Calibre**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



**Client:** Calibre

**Collection Date:** 8/18/2011 2:30:00 PM

**Project:** Hytec

**Lab ID:** 1108082-001

**Matrix:** Soil

**Client Sample ID:** HM-05-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Bis(2-chloroethyl) ether	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2-Chlorophenol	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
1,3-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
1,4-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
1,2-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Benzyl alcohol	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2-Methylphenol (o-cresol)	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Hexachloroethane	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
N-Nitrosodi-n-propylamine	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Nitrobenzene	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Isophorone	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
4-Methylphenol	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2-Nitrophenol	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2,4-Dimethylphenol	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Bis(2-chloroethoxy)methane	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2,4-Dichlorophenol	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
1,2,4-Trichlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Naphthalene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
4-Chloroaniline	ND	520		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Hexachlorobutadiene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
4-Chloro-3-methylphenol	ND	520		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2-Methylnaphthalene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
1-Methylnaphthalene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Hexachlorocyclopentadiene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2,4,6-Trichlorophenol	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2,4,5-Trichlorophenol	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2-Chloronaphthalene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2-Nitroaniline	ND	520		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Acenaphthene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Dimethylphthalate	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2,6-Dinitrotoluene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Acenaphthylene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
2,4-Dinitrophenol	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Dibenzofuran	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:30:00 PM

**Project:** Hytec

**Lab ID:** 1108082-001

**Matrix:** Soil

**Client Sample ID:** HM-05-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
4-Nitrophenol	ND	520		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Fluorene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
4-Chlorophenyl phenyl ether	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Diethylphthalate	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
4,6-Dinitro-2-methylphenol	ND	208		µg/Kg-dry	1	8/22/2011 6:13:00 PM
4-Bromophenyl phenyl ether	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Hexachlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Pentachlorophenol	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Phenanthrene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Anthracene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Carbazole	ND	520		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Di-n-butylphthalate	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Fluoranthene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Pyrene	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Butyl Benzylphthalate	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
bis(2-Ethylhexyl)adipate	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Benz (a) anthracene	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Chrysene	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
bis (2-Ethylhexyl) phthalate	ND	104		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Di-n-octyl phthalate	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Benzo (b) fluoranthene	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Benzo (k) fluoranthene	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Benzo (a) pyrene	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Indeno (1,2,3-cd) pyrene	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Dibenz (a,h) anthracene	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Benzo (g,h,i) perylene	ND	83.3		µg/Kg-dry	1	8/22/2011 6:13:00 PM
Surr: 2,4,6-Tribromophenol	79.3	40-140		%REC	1	8/22/2011 6:13:00 PM
Surr: 2-Fluorobiphenyl	93.9	50-130		%REC	1	8/22/2011 6:13:00 PM
Surr: 2-Fluorophenol	75.6	40-140		%REC	1	8/22/2011 6:13:00 PM
Surr: Nitrobenzene-d5	101	50-130		%REC	1	8/22/2011 6:13:00 PM
Surr: Phenol-d6	89.3	50-140		%REC	1	8/22/2011 6:13:00 PM
Surr: p-Terphenyl	90.4	40-130		%REC	1	8/22/2011 6:13:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:30:00 PM

**Project:** Hytec

**Lab ID:** 1108082-001

**Matrix:** Soil

**Client Sample ID:** HM-05-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0979		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Chloromethane	ND	0.0979		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Vinyl chloride	ND	0.00326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Bromomethane	ND	0.147		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0816		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Chloroethane	ND	0.0979		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,1-Dichloroethene	ND	0.0816		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Methylene chloride	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
trans-1,2-Dichloroethene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,1-Dichloroethane	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
2,2-Dichloropropane	ND	0.0816		mg/Kg-dry	1	8/22/2011 1:07:00 PM
cis-1,2-Dichloroethene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Chloroform	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Trichloroethane (TCA)	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,1-Dichloropropene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Carbon tetrachloride	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2-Dichloroethane	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Benzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Trichloroethene (TCE)	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2-Dichloropropane	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Bromodichloromethane	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Dibromomethane	ND	0.0653		mg/Kg-dry	1	8/22/2011 1:07:00 PM
cis-1,3-Dichloropropene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Toluene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
trans-1,3-Dichloropropylene	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,1,2-Trichloroethane	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,3-Dichloropropane	ND	0.0816		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Tetrachloroethene (PCE)	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Dibromochloromethane	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2-Dibromoethane (EDB)	ND	0.00816		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Chlorobenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Ethylbenzene	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
m,p-Xylene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
o-Xylene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/18/2011 2:30:00 PM

**Project:** Hytec

**Lab ID:** 1108082-001

**Matrix:** Soil

**Client Sample ID:** HM-05-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Isopropylbenzene	ND	0.131		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Bromoform	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
n-Propylbenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Bromobenzene	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,3,5-Trimethylbenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
2-Chlorotoluene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
4-Chlorotoluene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
tert-Butylbenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2,3-Trichloropropane	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2,4-Trichlorobenzene	ND	0.0816		mg/Kg-dry	1	8/22/2011 1:07:00 PM
sec-Butylbenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
4-Isopropyltoluene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Chloroprene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,3-Dichlorobenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,4-Dichlorobenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
n-Butylbenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2-Dichlorobenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2,4-Trimethylbenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Hexachloro-1,3-butadiene	ND	0.163		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Naphthalene	ND	0.0489		mg/Kg-dry	1	8/22/2011 1:07:00 PM
1,2,3-Trichlorobenzene	ND	0.0326		mg/Kg-dry	1	8/22/2011 1:07:00 PM
Surr: 1-Bromo-4-fluorobenzene	93.2	72-135		%REC	1	8/22/2011 1:07:00 PM
Surr: Dibromofluoromethane	101	75.1-135		%REC	1	8/22/2011 1:07:00 PM
Surr: Toluene-d8	97.8	76.5-134		%REC	1	8/22/2011 1:07:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	0.208	0.169		mg/Kg-dry	1	8/19/2011 7:51:50 PM
Lead	5.18	0.169		mg/Kg-dry	1	8/19/2011 7:51:50 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:35:00 PM

**Project:** Hytec

**Lab ID:** 1108082-002

**Matrix:** Soil

**Client Sample ID:** HM-06-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Bis(2-chloroethyl) ether	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Benzyl alcohol	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Nitrobenzene	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Isophorone	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
4-Methylphenol	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2-Nitrophenol	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2,4-Dichlorophenol	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Naphthalene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
4-Chloroaniline	ND	509		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
4-Chloro-3-methylphenol	ND	509		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2,4,6-Trichlorophenol	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2,4,5-Trichlorophenol	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2-Nitroaniline	ND	509		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Acenaphthene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Dimethylphthalate	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Acenaphthylene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
2,4-Dinitrophenol	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Dibenzofuran	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/18/2011 2:35:00 PM

**Project:** Hytec

**Lab ID:** 1108082-002

**Matrix:** Soil

**Client Sample ID:** HM-06-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
4-Nitrophenol	ND	509		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Fluorene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Diethylphthalate	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
4,6-Dinitro-2-methylphenol	ND	204		µg/Kg-dry	1	8/22/2011 6:34:00 PM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Pentachlorophenol	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Phenanthrene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Anthracene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Carbazole	ND	509		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Di-n-butylphthalate	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Fluoranthene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Pyrene	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Benz (a) anthracene	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Chrysene	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
bis (2-Ethylhexyl) phthalate	ND	102		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Di-n-octyl phthalate	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Benzo (b) fluoranthene	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Benzo (k) fluoranthene	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Benzo (a) pyrene	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Indeno (1,2,3-cd) pyrene	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Dibenz (a,h) anthracene	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Benzo (g,h,i) perylene	ND	81.4		µg/Kg-dry	1	8/22/2011 6:34:00 PM
Surr: 2,4,6-Tribromophenol	79.9	40-140		%REC	1	8/22/2011 6:34:00 PM
Surr: 2-Fluorobiphenyl	93.0	50-130		%REC	1	8/22/2011 6:34:00 PM
Surr: 2-Fluorophenol	78.3	40-140		%REC	1	8/22/2011 6:34:00 PM
Surr: Nitrobenzene-d5	107	50-130		%REC	1	8/22/2011 6:34:00 PM
Surr: Phenol-d6	87.2	50-140		%REC	1	8/22/2011 6:34:00 PM
Surr: p-Terphenyl	92.3	40-130		%REC	1	8/22/2011 6:34:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:35:00 PM

**Project:** Hytec

**Lab ID:** 1108082-002

**Matrix:** Soil

**Client Sample ID:** HM-06-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0800		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Chloromethane	ND	0.0800		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Vinyl chloride	ND	0.00267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Bromomethane	ND	0.120		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0667		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Chloroethane	ND	0.0800		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,1-Dichloroethene	ND	0.0667		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Methylene chloride	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
trans-1,2-Dichloroethene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,1-Dichloroethane	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
2,2-Dichloropropane	ND	0.0667		mg/Kg-dry	1	8/22/2011 1:53:00 PM
cis-1,2-Dichloroethene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Chloroform	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Trichloroethane (TCA)	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,1-Dichloropropene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Carbon tetrachloride	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2-Dichloroethane	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Benzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Trichloroethene (TCE)	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2-Dichloropropane	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Bromodichloromethane	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Dibromomethane	ND	0.0533		mg/Kg-dry	1	8/22/2011 1:53:00 PM
cis-1,3-Dichloropropene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Toluene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
trans-1,3-Dichloropropylene	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,1,2-Trichloroethane	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,3-Dichloropropane	ND	0.0667		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Tetrachloroethene (PCE)	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Dibromochloromethane	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2-Dibromoethane (EDB)	ND	0.00667		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Chlorobenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Ethylbenzene	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
m,p-Xylene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
o-Xylene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:35:00 PM

**Project:** Hytec

**Lab ID:** 1108082-002

**Matrix:** Soil

**Client Sample ID:** HM-06-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Isopropylbenzene	ND	0.107		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Bromoform	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
n-Propylbenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Bromobenzene	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,3,5-Trimethylbenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
2-Chlorotoluene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
4-Chlorotoluene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
tert-Butylbenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2,3-Trichloropropane	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2,4-Trichlorobenzene	ND	0.0667		mg/Kg-dry	1	8/22/2011 1:53:00 PM
sec-Butylbenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
4-Isopropyltoluene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Chloroprene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,3-Dichlorobenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,4-Dichlorobenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
n-Butylbenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2-Dichlorobenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2,4-Trimethylbenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Hexachloro-1,3-butadiene	ND	0.133		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Naphthalene	ND	0.0400		mg/Kg-dry	1	8/22/2011 1:53:00 PM
1,2,3-Trichlorobenzene	ND	0.0267		mg/Kg-dry	1	8/22/2011 1:53:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.6	72-135		%REC	1	8/22/2011 1:53:00 PM
Surr: Dibromofluoromethane	88.7	75.1-135		%REC	1	8/22/2011 1:53:00 PM
Surr: Toluene-d8	85.8	76.5-134		%REC	1	8/22/2011 1:53:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	0.200	0.175		mg/Kg-dry	1	8/19/2011 8:45:31 PM
Lead	4.47	0.175		mg/Kg-dry	1	8/19/2011 8:45:31 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:40:00 PM

**Project:** Hytec

**Lab ID:** 1108082-003

**Matrix:** Soil

**Client Sample ID:** HM-07-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Bis(2-chloroethyl) ether	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2-Chlorophenol	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
1,3-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
1,4-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
1,2-Dichlorobenzene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Benzyl alcohol	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2-Methylphenol (o-cresol)	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Hexachloroethane	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
N-Nitrosodi-n-propylamine	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Nitrobenzene	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Isophorone	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
4-Methylphenol	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2-Nitrophenol	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2,4-Dimethylphenol	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Bis(2-chloroethoxy)methane	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2,4-Dichlorophenol	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
1,2,4-Trichlorobenzene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Naphthalene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
4-Chloroaniline	ND	533		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Hexachlorobutadiene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
4-Chloro-3-methylphenol	ND	533		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2-Methylnaphthalene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
1-Methylnaphthalene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Hexachlorocyclopentadiene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2,4,6-Trichlorophenol	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2,4,5-Trichlorophenol	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2-Chloronaphthalene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2-Nitroaniline	ND	533		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Acenaphthene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Dimethylphthalate	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2,6-Dinitrotoluene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Acenaphthylene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
2,4-Dinitrophenol	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Dibenzofuran	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:40:00 PM

**Project:** Hytec

**Lab ID:** 1108082-003

**Matrix:** Soil

**Client Sample ID:** HM-07-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
4-Nitrophenol	ND	533		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Fluorene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
4-Chlorophenyl phenyl ether	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Diethylphthalate	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
4,6-Dinitro-2-methylphenol	ND	213		µg/Kg-dry	1	8/22/2011 8:19:00 PM
4-Bromophenyl phenyl ether	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Hexachlorobenzene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Pentachlorophenol	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Phenanthrene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Anthracene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Carbazole	ND	533		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Di-n-butylphthalate	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Fluoranthene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Pyrene	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Butyl Benzylphthalate	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
bis(2-Ethylhexyl)adipate	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Benz (a) anthracene	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Chrysene	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
bis (2-Ethylhexyl) phthalate	ND	107		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Di-n-octyl phthalate	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Benzo (b) fluoranthene	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Benzo (k) fluoranthene	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Benzo (a) pyrene	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Indeno (1,2,3-cd) pyrene	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Dibenz (a,h) anthracene	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Benzo (g,h,i) perylene	ND	85.2		µg/Kg-dry	1	8/22/2011 8:19:00 PM
Surr: 2,4,6-Tribromophenol	85.1	40-140		%REC	1	8/22/2011 8:19:00 PM
Surr: 2-Fluorobiphenyl	82.5	50-130		%REC	1	8/22/2011 8:19:00 PM
Surr: 2-Fluorophenol	97.6	40-140		%REC	1	8/22/2011 8:19:00 PM
Surr: Nitrobenzene-d5	102	50-130		%REC	1	8/22/2011 8:19:00 PM
Surr: Phenol-d6	97.6	50-140		%REC	1	8/22/2011 8:19:00 PM
Surr: p-Terphenyl	71.5	40-130		%REC	1	8/22/2011 8:19:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:40:00 PM

**Project:** Hytec

**Lab ID:** 1108082-003

**Matrix:** Soil

**Client Sample ID:** HM-07-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.125		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Chloromethane	ND	0.125		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Vinyl chloride	ND	0.00415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Bromomethane	ND	0.187		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.104		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Chloroethane	ND	0.125		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,1-Dichloroethene	ND	0.104		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Methylene chloride	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
trans-1,2-Dichloroethene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,1-Dichloroethane	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
2,2-Dichloropropane	ND	0.104		mg/Kg-dry	1	8/22/2011 2:38:00 PM
cis-1,2-Dichloroethene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Chloroform	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Trichloroethane (TCA)	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,1-Dichloropropene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Carbon tetrachloride	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2-Dichloroethane	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Benzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Trichloroethene (TCE)	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2-Dichloropropane	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Bromodichloromethane	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Dibromomethane	ND	0.0831		mg/Kg-dry	1	8/22/2011 2:38:00 PM
cis-1,3-Dichloropropene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Toluene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
trans-1,3-Dichloropropylene	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,1,2-Trichloroethane	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,3-Dichloropropane	ND	0.104		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Tetrachloroethene (PCE)	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Dibromochloromethane	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2-Dibromoethane (EDB)	ND	0.0104		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Chlorobenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Ethylbenzene	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
m,p-Xylene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
o-Xylene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:40:00 PM

**Project:** Hytec

**Lab ID:** 1108082-003

**Matrix:** Soil

**Client Sample ID:** HM-07-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Isopropylbenzene	ND	0.166		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Bromoform	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
n-Propylbenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Bromobenzene	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,3,5-Trimethylbenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
2-Chlorotoluene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
4-Chlorotoluene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
tert-Butylbenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2,3-Trichloropropane	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2,4-Trichlorobenzene	ND	0.104		mg/Kg-dry	1	8/22/2011 2:38:00 PM
sec-Butylbenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
4-Isopropyltoluene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Chloroprene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,3-Dichlorobenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,4-Dichlorobenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
n-Butylbenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2-Dichlorobenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2,4-Trimethylbenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Hexachloro-1,3-butadiene	ND	0.208		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Naphthalene	ND	0.0623		mg/Kg-dry	1	8/22/2011 2:38:00 PM
1,2,3-Trichlorobenzene	ND	0.0415		mg/Kg-dry	1	8/22/2011 2:38:00 PM
Surr: 1-Bromo-4-fluorobenzene	80.9	72-135		%REC	1	8/22/2011 2:38:00 PM
Surr: Dibromofluoromethane	102	75.1-135		%REC	1	8/22/2011 2:38:00 PM
Surr: Toluene-d8	95.0	76.5-134		%REC	1	8/22/2011 2:38:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	0.251	0.176		mg/Kg-dry	1	8/19/2011 8:51:51 PM
Lead	17.9	0.176		mg/Kg-dry	1	8/19/2011 8:51:51 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 9:00:00 AM

**Project:** Hytec

**Lab ID:** 1108082-004

**Matrix:** Soil

**Client Sample ID:** DUP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Bis(2-chloroethyl) ether	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2-Chlorophenol	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
1,3-Dichlorobenzene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
1,4-Dichlorobenzene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
1,2-Dichlorobenzene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Benzyl alcohol	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2-Methylphenol (o-cresol)	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Hexachloroethane	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
N-Nitrosodi-n-propylamine	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Nitrobenzene	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Isophorone	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
4-Methylphenol	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2-Nitrophenol	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2,4-Dimethylphenol	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Bis(2-chloroethoxy)methane	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2,4-Dichlorophenol	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
1,2,4-Trichlorobenzene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Naphthalene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
4-Chloroaniline	ND	542		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Hexachlorobutadiene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
4-Chloro-3-methylphenol	ND	542		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2-Methylnaphthalene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
1-Methylnaphthalene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Hexachlorocyclopentadiene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2,4,6-Trichlorophenol	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2,4,5-Trichlorophenol	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2-Chloronaphthalene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2-Nitroaniline	ND	542		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Acenaphthene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Dimethylphthalate	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2,6-Dinitrotoluene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Acenaphthylene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
2,4-Dinitrophenol	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Dibenzofuran	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 9:00:00 AM

**Project:** Hytec

**Lab ID:** 1108082-004

**Matrix:** Soil

**Client Sample ID:** DUP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
4-Nitrophenol	ND	542		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Fluorene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
4-Chlorophenyl phenyl ether	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Diethylphthalate	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
4,6-Dinitro-2-methylphenol	ND	217		µg/Kg-dry	1	8/22/2011 8:39:00 PM
4-Bromophenyl phenyl ether	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Hexachlorobenzene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Pentachlorophenol	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Phenanthrene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Anthracene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Carbazole	ND	542		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Di-n-butylphthalate	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Fluoranthene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Pyrene	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Butyl Benzylphthalate	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
bis(2-Ethylhexyl)adipate	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Benz (a) anthracene	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Chrysene	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
bis (2-Ethylhexyl) phthalate	ND	108		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Di-n-octyl phthalate	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Benzo (b) fluoranthene	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Benzo (k) fluoranthene	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Benzo (a) pyrene	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Indeno (1,2,3-cd) pyrene	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Dibenz (a,h) anthracene	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Benzo (g,h,i) perylene	ND	86.8		µg/Kg-dry	1	8/22/2011 8:39:00 PM
Surr: 2,4,6-Tribromophenol	93.8	40-140		%REC	1	8/22/2011 8:39:00 PM
Surr: 2-Fluorobiphenyl	87.2	50-130		%REC	1	8/22/2011 8:39:00 PM
Surr: 2-Fluorophenol	102	40-140		%REC	1	8/22/2011 8:39:00 PM
Surr: Nitrobenzene-d5	89.9	50-130		%REC	1	8/22/2011 8:39:00 PM
Surr: Phenol-d6	71.0	50-140		%REC	1	8/22/2011 8:39:00 PM
Surr: p-Terphenyl	81.1	40-130		%REC	1	8/22/2011 8:39:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 9:00:00 AM

**Project:** Hytec

**Lab ID:** 1108082-004

**Matrix:** Soil

**Client Sample ID:** DUP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.126		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Chloromethane	ND	0.126		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Vinyl chloride	ND	0.00419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Bromomethane	ND	0.189		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.105		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Chloroethane	ND	0.126		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,1-Dichloroethene	ND	0.105		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Methylene chloride	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
trans-1,2-Dichloroethene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,1-Dichloroethane	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
2,2-Dichloropropane	ND	0.105		mg/Kg-dry	1	8/22/2011 3:01:00 PM
cis-1,2-Dichloroethene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Chloroform	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Trichloroethane (TCA)	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,1-Dichloropropene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Carbon tetrachloride	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2-Dichloroethane	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Benzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Trichloroethene (TCE)	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2-Dichloropropane	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Bromodichloromethane	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Dibromomethane	ND	0.0838		mg/Kg-dry	1	8/22/2011 3:01:00 PM
cis-1,3-Dichloropropene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Toluene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
trans-1,3-Dichloropropylene	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,1,2-Trichloroethane	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,3-Dichloropropane	ND	0.105		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Tetrachloroethene (PCE)	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Dibromochloromethane	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2-Dibromoethane (EDB)	ND	0.0105		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Chlorobenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Ethylbenzene	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
m,p-Xylene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
o-Xylene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 9:00:00 AM

**Project:** Hytec

**Lab ID:** 1108082-004

**Matrix:** Soil

**Client Sample ID:** DUP3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Isopropylbenzene	ND	0.168		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Bromoform	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
n-Propylbenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Bromobenzene	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,3,5-Trimethylbenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
2-Chlorotoluene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
4-Chlorotoluene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
tert-Butylbenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2,3-Trichloropropane	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2,4-Trichlorobenzene	ND	0.105		mg/Kg-dry	1	8/22/2011 3:01:00 PM
sec-Butylbenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
4-Isopropyltoluene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Chloroprene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,3-Dichlorobenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,4-Dichlorobenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
n-Butylbenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2-Dichlorobenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2,4-Trimethylbenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Hexachloro-1,3-butadiene	ND	0.209		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Naphthalene	ND	0.0628		mg/Kg-dry	1	8/22/2011 3:01:00 PM
1,2,3-Trichlorobenzene	ND	0.0419		mg/Kg-dry	1	8/22/2011 3:01:00 PM
Surr: 1-Bromo-4-fluorobenzene	80.5	72-135		%REC	1	8/22/2011 3:01:00 PM
Surr: Dibromofluoromethane	109	75.1-135		%REC	1	8/22/2011 3:01:00 PM
Surr: Toluene-d8	88.8	76.5-134		%REC	1	8/22/2011 3:01:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	0.202	0.173		mg/Kg-dry	1	8/19/2011 8:58:12 PM
Lead	19.9	0.173		mg/Kg-dry	1	8/19/2011 8:58:12 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit  
 D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:45:00 PM

**Project:** Hytec

**Lab ID:** 1108082-005

**Matrix:** Soil

**Client Sample ID:** HM-08-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Bis(2-chloroethyl) ether	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2-Chlorophenol	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
1,3-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
1,4-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
1,2-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Benzyl alcohol	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2-Methylphenol (o-cresol)	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Hexachloroethane	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
N-Nitrosodi-n-propylamine	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Nitrobenzene	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Isophorone	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
4-Methylphenol	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2-Nitrophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2,4-Dimethylphenol	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Bis(2-chloroethoxy)methane	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2,4-Dichlorophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
1,2,4-Trichlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Naphthalene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
4-Chloroaniline	ND	529		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Hexachlorobutadiene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
4-Chloro-3-methylphenol	ND	529		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
1-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Hexachlorocyclopentadiene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2,4,6-Trichlorophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2,4,5-Trichlorophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2-Chloronaphthalene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2-Nitroaniline	ND	529		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Acenaphthene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Dimethylphthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2,6-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Acenaphthylene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
2,4-Dinitrophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Dibenzofuran	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:45:00 PM

**Project:** Hytec

**Lab ID:** 1108082-005

**Matrix:** Soil

**Client Sample ID:** HM-08-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
4-Nitrophenol	ND	529		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Fluorene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
4-Chlorophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Diethylphthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
4,6-Dinitro-2-methylphenol	ND	212		µg/Kg-dry	1	8/22/2011 9:00:00 PM
4-Bromophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Hexachlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Pentachlorophenol	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Phenanthrene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Anthracene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Carbazole	ND	529		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Di-n-butylphthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Fluoranthene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Pyrene	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Butyl Benzylphthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
bis(2-Ethylhexyl)adipate	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Benz (a) anthracene	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Chrysene	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
bis (2-Ethylhexyl) phthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Di-n-octyl phthalate	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Benzo (b) fluoranthene	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Benzo (k) fluoranthene	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Benzo (a) pyrene	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Indeno (1,2,3-cd) pyrene	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Dibenz (a,h) anthracene	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Benzo (g,h,i) perylene	ND	84.7		µg/Kg-dry	1	8/22/2011 9:00:00 PM
Surr: 2,4,6-Tribromophenol	82.8	40-140		%REC	1	8/22/2011 9:00:00 PM
Surr: 2-Fluorobiphenyl	92.7	50-130		%REC	1	8/22/2011 9:00:00 PM
Surr: 2-Fluorophenol	110	40-140		%REC	1	8/22/2011 9:00:00 PM
Surr: Nitrobenzene-d5	101	50-130		%REC	1	8/22/2011 9:00:00 PM
Surr: Phenol-d6	88.7	50-140		%REC	1	8/22/2011 9:00:00 PM
Surr: p-Terphenyl	92.8	40-130		%REC	1	8/22/2011 9:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:45:00 PM

**Project:** Hytec

**Lab ID:** 1108082-005

**Matrix:** Soil

**Client Sample ID:** HM-08-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.114		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Chloromethane	ND	0.114		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Vinyl chloride	ND	0.00382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Bromomethane	ND	0.172		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0954		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Chloroethane	ND	0.114		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,1-Dichloroethene	ND	0.0954		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Methylene chloride	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
trans-1,2-Dichloroethene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,1-Dichloroethane	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
2,2-Dichloropropane	ND	0.0954		mg/Kg-dry	1	8/22/2011 5:18:00 PM
cis-1,2-Dichloroethene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Chloroform	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Trichloroethane (TCA)	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,1-Dichloropropene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Carbon tetrachloride	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2-Dichloroethane	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Benzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Trichloroethene (TCE)	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2-Dichloropropane	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Bromodichloromethane	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Dibromomethane	ND	0.0763		mg/Kg-dry	1	8/22/2011 5:18:00 PM
cis-1,3-Dichloropropene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Toluene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
trans-1,3-Dichloropropylene	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,1,2-Trichloroethane	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,3-Dichloropropane	ND	0.0954		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Tetrachloroethene (PCE)	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Dibromochloromethane	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2-Dibromoethane (EDB)	ND	0.00954		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Chlorobenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Ethylbenzene	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
m,p-Xylene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
o-Xylene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/18/2011 2:45:00 PM

**Project:** Hytec

**Lab ID:** 1108082-005

**Matrix:** Soil

**Client Sample ID:** HM-08-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Isopropylbenzene	ND	0.153		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Bromoform	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
n-Propylbenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Bromobenzene	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,3,5-Trimethylbenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
2-Chlorotoluene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
4-Chlorotoluene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
tert-Butylbenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2,3-Trichloropropane	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2,4-Trichlorobenzene	ND	0.0954		mg/Kg-dry	1	8/22/2011 5:18:00 PM
sec-Butylbenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
4-Isopropyltoluene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Chloroprene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,3-Dichlorobenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,4-Dichlorobenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
n-Butylbenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2-Dichlorobenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2,4-Trimethylbenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Hexachloro-1,3-butadiene	ND	0.191		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Naphthalene	ND	0.0572		mg/Kg-dry	1	8/22/2011 5:18:00 PM
1,2,3-Trichlorobenzene	ND	0.0382		mg/Kg-dry	1	8/22/2011 5:18:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.1	72-135		%REC	1	8/22/2011 5:18:00 PM
Surr: Dibromofluoromethane	94.5	75.1-135		%REC	1	8/22/2011 5:18:00 PM
Surr: Toluene-d8	87.2	76.5-134		%REC	1	8/22/2011 5:18:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	ND	0.164		mg/Kg-dry	1	8/19/2011 9:04:33 PM
Lead	4.36	0.164		mg/Kg-dry	1	8/19/2011 9:04:33 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/18/2011 2:50:00 PM

**Project:** Hytec

**Lab ID:** 1108082-006

**Matrix:** Soil

**Client Sample ID:** HM-09-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Bis(2-chloroethyl) ether	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2-Chlorophenol	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
1,3-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
1,4-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
1,2-Dichlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Benzyl alcohol	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2-Methylphenol (o-cresol)	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Hexachloroethane	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
N-Nitrosodi-n-propylamine	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Nitrobenzene	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Isophorone	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
4-Methylphenol	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2-Nitrophenol	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2,4-Dimethylphenol	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Bis(2-chloroethoxy)methane	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2,4-Dichlorophenol	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
1,2,4-Trichlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Naphthalene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
4-Chloroaniline	ND	521		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Hexachlorobutadiene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
4-Chloro-3-methylphenol	ND	521		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2-Methylnaphthalene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
1-Methylnaphthalene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Hexachlorocyclopentadiene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2,4,6-Trichlorophenol	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2,4,5-Trichlorophenol	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2-Chloronaphthalene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2-Nitroaniline	ND	521		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Acenaphthene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Dimethylphthalate	151	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2,6-Dinitrotoluene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Acenaphthylene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
2,4-Dinitrophenol	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Dibenzofuran	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/18/2011 2:50:00 PM

**Project:** Hytec

**Lab ID:** 1108082-006

**Matrix:** Soil

**Client Sample ID:** HM-09-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
4-Nitrophenol	ND	521		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Fluorene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
4-Chlorophenyl phenyl ether	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Diethylphthalate	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
4,6-Dinitro-2-methylphenol	ND	208		µg/Kg-dry	1	8/22/2011 9:21:00 PM
4-Bromophenyl phenyl ether	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Hexachlorobenzene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Pentachlorophenol	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Phenanthrene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Anthracene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Carbazole	ND	521		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Di-n-butylphthalate	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Fluoranthene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Pyrene	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Butyl Benzylphthalate	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
bis(2-Ethylhexyl)adipate	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Benz (a) anthracene	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Chrysene	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
bis (2-Ethylhexyl) phthalate	ND	104		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Di-n-octyl phthalate	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Benzo (b) fluoranthene	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Benzo (k) fluoranthene	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Benzo (a) pyrene	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Indeno (1,2,3-cd) pyrene	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Dibenz (a,h) anthracene	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Benzo (g,h,i) perylene	ND	83.3		µg/Kg-dry	1	8/22/2011 9:21:00 PM
Surr: 2,4,6-Tribromophenol	93.1	40-140		%REC	1	8/22/2011 9:21:00 PM
Surr: 2-Fluorobiphenyl	93.7	50-130		%REC	1	8/22/2011 9:21:00 PM
Surr: 2-Fluorophenol	85.3	40-140		%REC	1	8/22/2011 9:21:00 PM
Surr: Nitrobenzene-d5	107	50-130		%REC	1	8/22/2011 9:21:00 PM
Surr: Phenol-d6	106	50-140		%REC	1	8/22/2011 9:21:00 PM
Surr: p-Terphenyl	79.9	40-130		%REC	1	8/22/2011 9:21:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:50:00 PM

**Project:** Hytec

**Lab ID:** 1108082-006

**Matrix:** Soil

**Client Sample ID:** HM-09-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.106		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Chloromethane	ND	0.106		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Vinyl chloride	ND	0.00354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Bromomethane	ND	0.159		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0885		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Chloroethane	ND	0.106		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,1-Dichloroethene	ND	0.0885		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Methylene chloride	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
trans-1,2-Dichloroethene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,1-Dichloroethane	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
2,2-Dichloropropane	ND	0.0885		mg/Kg-dry	1	8/22/2011 3:47:00 PM
cis-1,2-Dichloroethene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Chloroform	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Trichloroethane (TCA)	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,1-Dichloropropene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Carbon tetrachloride	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2-Dichloroethane	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Benzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Trichloroethene (TCE)	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2-Dichloropropane	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Bromodichloromethane	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Dibromomethane	ND	0.0708		mg/Kg-dry	1	8/22/2011 3:47:00 PM
cis-1,3-Dichloropropene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Toluene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
trans-1,3-Dichloropropylene	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,1,2-Trichloroethane	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,3-Dichloropropane	ND	0.0885		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Tetrachloroethene (PCE)	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Dibromochloromethane	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2-Dibromoethane (EDB)	ND	0.00885		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Chlorobenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Ethylbenzene	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
m,p-Xylene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
o-Xylene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:50:00 PM

**Project:** Hytec

**Lab ID:** 1108082-006

**Matrix:** Soil

**Client Sample ID:** HM-09-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Isopropylbenzene	ND	0.142		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Bromoform	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
n-Propylbenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Bromobenzene	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,3,5-Trimethylbenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
2-Chlorotoluene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
4-Chlorotoluene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
tert-Butylbenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2,3-Trichloropropane	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2,4-Trichlorobenzene	ND	0.0885		mg/Kg-dry	1	8/22/2011 3:47:00 PM
sec-Butylbenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
4-Isopropyltoluene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Chloroprene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,3-Dichlorobenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,4-Dichlorobenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
n-Butylbenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2-Dichlorobenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2,4-Trimethylbenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Hexachloro-1,3-butadiene	ND	0.177		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Naphthalene	ND	0.0531		mg/Kg-dry	1	8/22/2011 3:47:00 PM
1,2,3-Trichlorobenzene	ND	0.0354		mg/Kg-dry	1	8/22/2011 3:47:00 PM
Surr: 1-Bromo-4-fluorobenzene	89.8	72-135		%REC	1	8/22/2011 3:47:00 PM
Surr: Dibromofluoromethane	96.5	75.1-135		%REC	1	8/22/2011 3:47:00 PM
Surr: Toluene-d8	94.0	76.5-134		%REC	1	8/22/2011 3:47:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	ND	0.163		mg/Kg-dry	1	8/19/2011 9:10:55 PM
Lead	5.12	0.163		mg/Kg-dry	1	8/19/2011 9:10:55 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/18/2011 2:55:00 PM

**Project:** Hytec

**Lab ID:** 1108082-007

**Matrix:** Soil

**Client Sample ID:** HM-10-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Bis(2-chloroethyl) ether	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2-Chlorophenol	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
1,3-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
1,4-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
1,2-Dichlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Benzyl alcohol	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2-Methylphenol (o-cresol)	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Hexachloroethane	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
N-Nitrosodi-n-propylamine	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Nitrobenzene	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Isophorone	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
4-Methylphenol	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2-Nitrophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2,4-Dimethylphenol	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Bis(2-chloroethoxy)methane	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2,4-Dichlorophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
1,2,4-Trichlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Naphthalene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
4-Chloroaniline	ND	531		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Hexachlorobutadiene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
4-Chloro-3-methylphenol	ND	531		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
1-Methylnaphthalene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Hexachlorocyclopentadiene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2,4,6-Trichlorophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2,4,5-Trichlorophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2-Chloronaphthalene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2-Nitroaniline	ND	531		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Acenaphthene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Dimethylphthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2,6-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Acenaphthylene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
2,4-Dinitrophenol	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Dibenzofuran	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:55:00 PM

**Project:** Hytec

**Lab ID:** 1108082-007

**Matrix:** Soil

**Client Sample ID:** HM-10-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
4-Nitrophenol	ND	531		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Fluorene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
4-Chlorophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Diethylphthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
4,6-Dinitro-2-methylphenol	ND	212		µg/Kg-dry	1	8/22/2011 9:42:00 PM
4-Bromophenyl phenyl ether	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Hexachlorobenzene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Pentachlorophenol	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Phenanthrene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Anthracene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Carbazole	ND	531		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Di-n-butylphthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Fluoranthene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Pyrene	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Butyl Benzylphthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
bis(2-Ethylhexyl)adipate	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Benz (a) anthracene	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Chrysene	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
bis (2-Ethylhexyl) phthalate	ND	106		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Di-n-octyl phthalate	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Benzo (b) fluoranthene	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Benzo (k) fluoranthene	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Benzo (a) pyrene	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Indeno (1,2,3-cd) pyrene	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Dibenz (a,h) anthracene	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Benzo (g,h,i) perylene	ND	85.0		µg/Kg-dry	1	8/22/2011 9:42:00 PM
Surr: 2,4,6-Tribromophenol	75.3	40-140		%REC	1	8/22/2011 9:42:00 PM
Surr: 2-Fluorobiphenyl	92.4	50-130		%REC	1	8/22/2011 9:42:00 PM
Surr: 2-Fluorophenol	82.8	40-140		%REC	1	8/22/2011 9:42:00 PM
Surr: Nitrobenzene-d5	97.2	50-130		%REC	1	8/22/2011 9:42:00 PM
Surr: Phenol-d6	96.0	50-140		%REC	1	8/22/2011 9:42:00 PM
Surr: p-Terphenyl	70.6	40-130		%REC	1	8/22/2011 9:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:55:00 PM

**Project:** Hytec

**Lab ID:** 1108082-007

**Matrix:** Soil

**Client Sample ID:** HM-10-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0831		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Chloromethane	ND	0.0831		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Vinyl chloride	ND	0.00277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Bromomethane	ND	0.125		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0693		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Chloroethane	ND	0.0831		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,1-Dichloroethene	ND	0.0693		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Methylene chloride	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
trans-1,2-Dichloroethene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,1-Dichloroethane	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
2,2-Dichloropropane	ND	0.0693		mg/Kg-dry	1	8/22/2011 4:10:00 PM
cis-1,2-Dichloroethene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Chloroform	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Trichloroethane (TCA)	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,1-Dichloropropene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Carbon tetrachloride	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2-Dichloroethane	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Benzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Trichloroethene (TCE)	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2-Dichloropropane	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Bromodichloromethane	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Dibromomethane	ND	0.0554		mg/Kg-dry	1	8/22/2011 4:10:00 PM
cis-1,3-Dichloropropene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Toluene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
trans-1,3-Dichloropropylene	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,1,2-Trichloroethane	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,3-Dichloropropane	ND	0.0693		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Tetrachloroethene (PCE)	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Dibromochloromethane	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2-Dibromoethane (EDB)	ND	0.00693		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Chlorobenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Ethylbenzene	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
m,p-Xylene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
o-Xylene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 2:55:00 PM

**Project:** Hytec

**Lab ID:** 1108082-007

**Matrix:** Soil

**Client Sample ID:** HM-10-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Isopropylbenzene	ND	0.111		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Bromoform	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
n-Propylbenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Bromobenzene	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,3,5-Trimethylbenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
2-Chlorotoluene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
4-Chlorotoluene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
tert-Butylbenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2,3-Trichloropropane	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2,4-Trichlorobenzene	ND	0.0693		mg/Kg-dry	1	8/22/2011 4:10:00 PM
sec-Butylbenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
4-Isopropyltoluene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Chloroprene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,3-Dichlorobenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,4-Dichlorobenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
n-Butylbenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2-Dichlorobenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2,4-Trimethylbenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Hexachloro-1,3-butadiene	ND	0.139		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Naphthalene	ND	0.0416		mg/Kg-dry	1	8/22/2011 4:10:00 PM
1,2,3-Trichlorobenzene	ND	0.0277		mg/Kg-dry	1	8/22/2011 4:10:00 PM
Surr: 1-Bromo-4-fluorobenzene	89.6	72-135		%REC	1	8/22/2011 4:10:00 PM
Surr: Dibromofluoromethane	98.9	75.1-135		%REC	1	8/22/2011 4:10:00 PM
Surr: Toluene-d8	96.7	76.5-134		%REC	1	8/22/2011 4:10:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	ND	0.181		mg/Kg-dry	1	8/19/2011 9:17:16 PM
Lead	3.89	0.181		mg/Kg-dry	1	8/19/2011 9:17:16 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/18/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1108082-008

**Matrix:** Soil

**Client Sample ID:** HM-01-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Bis(2-chloroethyl) ether	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2-Chlorophenol	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
1,3-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
1,4-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
1,2-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Benzyl alcohol	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2-Methylphenol (o-cresol)	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Hexachloroethane	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
N-Nitrosodi-n-propylamine	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Nitrobenzene	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Isophorone	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
4-Methylphenol	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2-Nitrophenol	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2,4-Dimethylphenol	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Bis(2-chloroethoxy)methane	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2,4-Dichlorophenol	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
1,2,4-Trichlorobenzene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Naphthalene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
4-Chloroaniline	ND	499		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Hexachlorobutadiene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
4-Chloro-3-methylphenol	ND	499		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2-Methylnaphthalene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
1-Methylnaphthalene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Hexachlorocyclopentadiene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2,4,6-Trichlorophenol	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2,4,5-Trichlorophenol	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2-Chloronaphthalene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2-Nitroaniline	ND	499		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Acenaphthene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Dimethylphthalate	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2,6-Dinitrotoluene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Acenaphthylene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
2,4-Dinitrophenol	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Dibenzofuran	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1108082-008

**Matrix:** Soil

**Client Sample ID:** HM-01-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
4-Nitrophenol	ND	499		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Fluorene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
4-Chlorophenyl phenyl ether	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Diethylphthalate	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
4,6-Dinitro-2-methylphenol	ND	200		µg/Kg-dry	1	8/22/2011 10:03:00 PM
4-Bromophenyl phenyl ether	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Hexachlorobenzene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Pentachlorophenol	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Phenanthrene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Anthracene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Carbazole	ND	499		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Di-n-butylphthalate	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Fluoranthene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Pyrene	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Butyl Benzylphthalate	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
bis(2-Ethylhexyl)adipate	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Benz (a) anthracene	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Chrysene	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
bis (2-Ethylhexyl) phthalate	ND	99.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Di-n-octyl phthalate	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Benzo (b) fluoranthene	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Benzo (k) fluoranthene	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Benzo (a) pyrene	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Indeno (1,2,3-cd) pyrene	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Dibenz (a,h) anthracene	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Benzo (g,h,i) perylene	ND	79.9		µg/Kg-dry	1	8/22/2011 10:03:00 PM
Surr: 2,4,6-Tribromophenol	77.4	40-140		%REC	1	8/22/2011 10:03:00 PM
Surr: 2-Fluorobiphenyl	83.1	50-130		%REC	1	8/22/2011 10:03:00 PM
Surr: 2-Fluorophenol	76.3	40-140		%REC	1	8/22/2011 10:03:00 PM
Surr: Nitrobenzene-d5	116	50-130		%REC	1	8/22/2011 10:03:00 PM
Surr: Phenol-d6	81.2	50-140		%REC	1	8/22/2011 10:03:00 PM
Surr: p-Terphenyl	77.9	40-130		%REC	1	8/22/2011 10:03:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1108082-008

**Matrix:** Soil

**Client Sample ID:** HM-01-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0615		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Chloromethane	ND	0.0615		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Vinyl chloride	ND	0.00205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Bromomethane	ND	0.0922		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0512		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Chloroethane	ND	0.0615		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,1-Dichloroethene	ND	0.0512		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Methylene chloride	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
trans-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,1-Dichloroethane	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
2,2-Dichloropropane	ND	0.0512		mg/Kg-dry	1	8/22/2011 5:41:00 PM
cis-1,2-Dichloroethene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Chloroform	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Trichloroethane (TCA)	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,1-Dichloropropene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Carbon tetrachloride	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2-Dichloroethane	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Benzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Trichloroethene (TCE)	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2-Dichloropropane	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Bromodichloromethane	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Dibromomethane	ND	0.0410		mg/Kg-dry	1	8/22/2011 5:41:00 PM
cis-1,3-Dichloropropene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Toluene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
trans-1,3-Dichloropropylene	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,1,2-Trichloroethane	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,3-Dichloropropane	ND	0.0512		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Tetrachloroethene (PCE)	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Dibromochloromethane	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2-Dibromoethane (EDB)	ND	0.00512		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Chlorobenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Ethylbenzene	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
m,p-Xylene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
o-Xylene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1108082-008

**Matrix:** Soil

**Client Sample ID:** HM-01-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Isopropylbenzene	ND	0.0819		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Bromoform	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
n-Propylbenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Bromobenzene	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,3,5-Trimethylbenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
2-Chlorotoluene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
4-Chlorotoluene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
tert-Butylbenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2,3-Trichloropropane	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2,4-Trichlorobenzene	ND	0.0512		mg/Kg-dry	1	8/22/2011 5:41:00 PM
sec-Butylbenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
4-Isopropyltoluene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Chloroprene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,3-Dichlorobenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,4-Dichlorobenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
n-Butylbenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2-Dichlorobenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2,4-Trimethylbenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Hexachloro-1,3-butadiene	ND	0.102		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Naphthalene	ND	0.0307		mg/Kg-dry	1	8/22/2011 5:41:00 PM
1,2,3-Trichlorobenzene	ND	0.0205		mg/Kg-dry	1	8/22/2011 5:41:00 PM
Surr: 1-Bromo-4-fluorobenzene	124	72-135		%REC	1	8/22/2011 5:41:00 PM
Surr: Dibromofluoromethane	112	75.1-135		%REC	1	8/22/2011 5:41:00 PM
Surr: Toluene-d8	113	76.5-134		%REC	1	8/22/2011 5:41:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	0.352	0.153		mg/Kg-dry	1	8/19/2011 9:23:37 PM
Lead	3.09	0.153		mg/Kg-dry	1	8/19/2011 9:23:37 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/18/2011 3:05:00 PM

**Project:** Hytec

**Lab ID:** 1108082-009

**Matrix:** Soil

**Client Sample ID:** HM-02-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

Phenol	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Bis(2-chloroethyl) ether	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Benzyl alcohol	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Nitrobenzene	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Isophorone	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
4-Methylphenol	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2-Nitrophenol	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2,4-Dichlorophenol	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Naphthalene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
4-Chloroaniline	ND	508		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
4-Chloro-3-methylphenol	ND	508		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2,4,6-Trichlorophenol	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2,4,5-Trichlorophenol	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2-Nitroaniline	ND	508		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Acenaphthene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Dimethylphthalate	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Acenaphthylene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
2,4-Dinitrophenol	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Dibenzofuran	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 3:05:00 PM

**Project:** Hytec

**Lab ID:** 1108082-009

**Matrix:** Soil

**Client Sample ID:** HM-02-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 982

Analyst: PH

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
4-Nitrophenol	ND	508		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Fluorene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Diethylphthalate	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
4,6-Dinitro-2-methylphenol	ND	203		µg/Kg-dry	1	8/22/2011 10:24:00 PM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Pentachlorophenol	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Phenanthrene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Anthracene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Carbazole	ND	508		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Di-n-butylphthalate	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Fluoranthene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Pyrene	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Benz (a) anthracene	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Chrysene	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
bis (2-Ethylhexyl) phthalate	ND	102		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Di-n-octyl phthalate	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Benzo (b) fluoranthene	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Benzo (k) fluoranthene	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Benzo (a) pyrene	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Indeno (1,2,3-cd) pyrene	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Dibenz (a,h) anthracene	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Benzo (g,h,i) perylene	ND	81.3		µg/Kg-dry	1	8/22/2011 10:24:00 PM
Surr: 2,4,6-Tribromophenol	91.8	40-140		%REC	1	8/22/2011 10:24:00 PM
Surr: 2-Fluorobiphenyl	88.3	50-130		%REC	1	8/22/2011 10:24:00 PM
Surr: 2-Fluorophenol	89.4	40-140		%REC	1	8/22/2011 10:24:00 PM
Surr: Nitrobenzene-d5	106	50-130		%REC	1	8/22/2011 10:24:00 PM
Surr: Phenol-d6	93.0	50-140		%REC	1	8/22/2011 10:24:00 PM
Surr: p-Terphenyl	81.3	40-130		%REC	1	8/22/2011 10:24:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 3:05:00 PM

**Project:** Hytec

**Lab ID:** 1108082-009

**Matrix:** Soil

**Client Sample ID:** HM-02-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0780		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Chloromethane	ND	0.0780		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Vinyl chloride	ND	0.00260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Bromomethane	ND	0.117		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0650		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Chloroethane	ND	0.0780		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,1-Dichloroethene	ND	0.0650		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Methylene chloride	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
trans-1,2-Dichloroethene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,1-Dichloroethane	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
2,2-Dichloropropane	ND	0.0650		mg/Kg-dry	1	8/22/2011 4:55:00 PM
cis-1,2-Dichloroethene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Chloroform	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Trichloroethane (TCA)	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,1-Dichloropropene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Carbon tetrachloride	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2-Dichloroethane	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Benzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Trichloroethene (TCE)	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2-Dichloropropane	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Bromodichloromethane	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Dibromomethane	ND	0.0520		mg/Kg-dry	1	8/22/2011 4:55:00 PM
cis-1,3-Dichloropropene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Toluene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
trans-1,3-Dichloropropylene	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,1,2-Trichloroethane	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,3-Dichloropropane	ND	0.0650		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Tetrachloroethene (PCE)	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Dibromochloromethane	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2-Dibromoethane (EDB)	ND	0.00650		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Chlorobenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Ethylbenzene	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
m,p-Xylene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
o-Xylene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108082

Date Reported: 8/23/2011

**Client:** Calibre

**Collection Date:** 8/18/2011 3:05:00 PM

**Project:** Hytec

**Lab ID:** 1108082-009

**Matrix:** Soil

**Client Sample ID:** HM-02-081811

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 977

Analyst: PH

Styrene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Isopropylbenzene	ND	0.104		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Bromoform	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
n-Propylbenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Bromobenzene	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,3,5-Trimethylbenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
2-Chlorotoluene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
4-Chlorotoluene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
tert-Butylbenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2,3-Trichloropropane	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2,4-Trichlorobenzene	ND	0.0650		mg/Kg-dry	1	8/22/2011 4:55:00 PM
sec-Butylbenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
4-Isopropyltoluene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Chloroprene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,3-Dichlorobenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,4-Dichlorobenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
n-Butylbenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2-Dichlorobenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2,4-Trimethylbenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Hexachloro-1,3-butadiene	ND	0.130		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Naphthalene	ND	0.0390		mg/Kg-dry	1	8/22/2011 4:55:00 PM
1,2,3-Trichlorobenzene	ND	0.0260		mg/Kg-dry	1	8/22/2011 4:55:00 PM
Surr: 1-Bromo-4-fluorobenzene	91.9	72-135		%REC	1	8/22/2011 4:55:00 PM
Surr: Dibromofluoromethane	104	75.1-135		%REC	1	8/22/2011 4:55:00 PM
Surr: Toluene-d8	99.7	76.5-134		%REC	1	8/22/2011 4:55:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 978

Analyst: BR

Cadmium	0.210	0.149		mg/Kg-dry	1	8/19/2011 9:29:57 PM
Lead	3.17	0.149		mg/Kg-dry	1	8/19/2011 9:29:57 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Total Metals by EPA Method 6020

Sample ID: <b>MB-978</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1567</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>978</b>		Analysis Date: <b>8/19/2011</b>	SeqNo: <b>28242</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.200
Lead	ND	0.200

Sample ID: <b>LCS-978</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1567</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>978</b>		Analysis Date: <b>8/19/2011</b>	SeqNo: <b>28243</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.82	0.200	2.500	0	113	80	120
Lead	25.3	0.200	25.00	0	101	80	120

Sample ID: <b>1108082-001BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1567</b>							
Client ID: <b>HM-05-081811</b>	Batch ID: <b>978</b>		Analysis Date: <b>8/19/2011</b>	SeqNo: <b>28258</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.169						0.2077	200	30
Lead	4.39	0.169						5.181	16.6	30

Sample ID: <b>1108082-001BMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1567</b>							
Client ID: <b>HM-05-081811</b>	Batch ID: <b>978</b>		Analysis Date: <b>8/19/2011</b>	SeqNo: <b>28259</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.38	0.164	2.052	0.2077	106	75	125
Lead	28.0	0.164	20.52	5.181	111	75	125

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108082  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 6020**

Sample ID: 1108082-001BMSD	SampType: MSD	Units: mg/Kg-dry			Prep Date: 8/19/2011	RunNo: 1567					
Client ID: HM-05-081811	Batch ID: 978				Analysis Date: 8/19/2011	SeqNo: 28260					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.32	0.171	2.135	0.2077	98.8	75	125	2.376	2.48	30	
Lead	27.2	0.171	21.35	5.181	103	75	125	27.96	2.73	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-982</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29043</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	200									
Bis(2-chloroethyl) ether	ND	200									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	100									
1,4-Dichlorobenzene	ND	100									
1,2-Dichlorobenzene	ND	100									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									
Nitrobenzene	ND	200									
Isophorone	ND	100									
4-Methylphenol	ND	100									
2-Nitrophenol	ND	200									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	100									
2,4-Dichlorophenol	ND	200									
1,2,4-Trichlorobenzene	ND	100									
Naphthalene	ND	100									
4-Chloroaniline	ND	500									
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-982</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29043</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-982</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29043</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									
Surr: 2,4,6-Tribromophenol	837		1,000		83.7	40	140				
Surr: 2-Fluorobiphenyl	545		500.0		109	50	130				
Surr: 2-Fluorophenol	895		1,000		89.5	40	140				
Surr: Nitrobenzene-d5	569		500.0		114	50	130				
Surr: Phenol-d6	690		1,000		69.0	50	140				
Surr: p-Terphenyl	459		500.0		91.8	40	130				

Sample ID: <b>LCS-982</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29044</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	992	200	1,000	0	99.2	40	140				
2-Chlorophenol	1,160	100	1,000	0	116	40	140				
1,4-Dichlorobenzene	431	100	500.0	0	86.2	50	130				
N-Nitrosodi-n-propylamine	410	100	500.0	0	82.0	50	130				
1,2,4-Trichlorobenzene	385	100	500.0	0	77.0	50	130				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>LCS-982</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29044</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	786	500	1,000	0	78.6	40	140				
Acenaphthene	462	100	500.0	0	92.4	50	130				
2,4-Dinitrotoluene	361	100	500.0	0	72.1	50	130				
Pentachlorophenol	750	100	1,000	0	75.0	40	140				
Pyrene	439	100	500.0	0	87.9	50	130				
Surr: 2,4,6-Tribromophenol	850		1,000		85.0	40	140				
Surr: 2-Fluorobiphenyl	460		500.0		92.0	50	130				
Surr: 2-Fluorophenol	759		1,000		75.9	40	140				
Surr: Nitrobenzene-d5	592		500.0		118	50	130				
Surr: Phenol-d6	866		1,000		86.6	50	140				
Surr: p-Terphenyl	406		500.0		81.2	40	130				

Sample ID: <b>1108082-002BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>							
Client ID: <b>HM-06-081811</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29047</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	205						0	0	30	
Bis(2-chloroethyl) ether	ND	205						0	0	30	
2-Chlorophenol	ND	103						0	0	30	
1,3-Dichlorobenzene	ND	103						0	0	30	
1,4-Dichlorobenzene	ND	103						0	0	30	
1,2-Dichlorobenzene	ND	103						0	0	30	
Benzyl alcohol	ND	103						0	0	30	
2-Methylphenol (o-cresol)	ND	103						0	0	30	
Hexachloroethane	ND	103						0	0	30	
N-Nitrosodi-n-propylamine	ND	103						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1108082-002BDUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 8/19/2011	RunNo: 1595							
Client ID: HM-06-081811	Batch ID: 982		Analysis Date: 8/22/2011	SeqNo: 29047							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	ND	205						0	0	30	
Isophorone	ND	103						0	0	30	
4-Methylphenol	ND	103						0	0	30	
2-Nitrophenol	ND	205						0	0	30	
2,4-Dimethylphenol	ND	103						0	0	30	
Bis(2-chloroethoxy)methane	ND	103						0	0	30	
2,4-Dichlorophenol	ND	205						0	0	30	
1,2,4-Trichlorobenzene	ND	103						0	0	30	
Naphthalene	ND	103						0	0	30	
4-Chloroaniline	ND	513						0	0	30	
Hexachlorobutadiene	ND	103						0	0	30	
4-Chloro-3-methylphenol	ND	513						0	0	30	
2-Methylnaphthalene	ND	103						0	0	30	
1-Methylnaphthalene	ND	103						0	0	30	
Hexachlorocyclopentadiene	ND	103						0	0	30	
2,4,6-Trichlorophenol	ND	205						0	0	30	
2,4,5-Trichlorophenol	ND	205						0	0	30	
2-Chloronaphthalene	ND	103						0	0	30	
2-Nitroaniline	ND	513						0	0	30	
Acenaphthene	ND	103						0	0	30	
Dimethylphthalate	ND	103						0	0	30	
2,6-Dinitrotoluene	ND	103						0	0	30	
Acenaphthylene	ND	103						0	0	30	
2,4-Dinitrophenol	ND	205						0	0	30	
Dibenzofuran	ND	103						0	0	30	
2,4-Dinitrotoluene	ND	103						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 8/23/2011

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID:	1108082-002BDUP	SampType:	DUP	Units:	µg/Kg-dry	Prep Date:	8/19/2011	RunNo:	1595		
Client ID:	HM-06-081811	Batch ID:	982	Analysis Date:	8/22/2011	SeqNo:	29047				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	513						0	0	30	
Fluorene	ND	103						0	0	30	
4-Chlorophenyl phenyl ether	ND	103						0	0	30	
Diethylphthalate	ND	103						0	0	30	
4,6-Dinitro-2-methylphenol	ND	205						0	0	30	
4-Bromophenyl phenyl ether	ND	103						0	0	30	
Hexachlorobenzene	ND	103						0	0	30	
Pentachlorophenol	ND	103						0	0	30	
Phenanthrene	ND	103						0	0	30	
Anthracene	ND	103						0	0	30	
Carbazole	ND	513						0	0	30	
Di-n-butylphthalate	ND	103						0	0	30	
Fluoranthene	ND	103						0	0	30	
Pyrene	ND	103						0	0	30	
Butyl Benzylphthalate	ND	103						0	0	30	
bis(2-Ethylhexyl)adipate	ND	103						0	0	30	
Benz (a) anthracene	ND	82.1						0	0	30	
Chrysene	ND	82.1						0	0	30	
bis (2-Ethylhexyl) phthalate	ND	103						0	0	30	
Di-n-octyl phthalate	ND	82.1						0	0	30	
Benzo (b) fluoranthene	ND	82.1						0	0	30	
Benzo (k) fluoranthene	ND	82.1						0	0	30	
Benzo (a) pyrene	ND	82.1						0	0	30	
Indeno (1,2,3-cd) pyrene	ND	82.1						0	0	30	
Dibenz (a,h) anthracene	ND	82.1						0	0	30	
Benzo (g,h,i) perylene	ND	82.1						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108082-002BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>							
Client ID: <b>HM-06-081811</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29047</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4,6-Tribromophenol	832		1,026		81.1	40	140		0		
Surr: 2-Fluorobiphenyl	527		513.2		103	50	130		0		
Surr: 2-Fluorophenol	842		1,026		82.1	40	140		0		
Surr: Nitrobenzene-d5	599		513.2		117	50	130		0		
Surr: Phenol-d6	981		1,026		95.6	50	140		0		
Surr: p-Terphenyl	391		513.2		76.2	40	130		0		

Sample ID: <b>1108082-002BMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>							
Client ID: <b>HM-06-081811</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29048</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	1,180	206	1,032	0	114	40	140				
2-Chlorophenol	1,150	103	1,032	0	111	40	140				
1,4-Dichlorobenzene	443	103	516.0	0	85.8	50	130				
N-Nitrosodi-n-propylamine	472	103	516.0	0	91.5	50	130				
1,2,4-Trichlorobenzene	353	103	516.0	0	68.4	50	130				
4-Chloro-3-methylphenol	853	516	1,032	0	82.7	40	140				
Acenaphthene	502	103	516.0	0	97.2	50	130				
2,4-Dinitrotoluene	559	103	516.0	0	108	50	130				
Pentachlorophenol	965	103	1,032	0	93.5	40	140				
Pyrene	380	103	516.0	0	73.7	50	130				
Surr: 2,4,6-Tribromophenol	992		1,032		96.1	40	140				
Surr: 2-Fluorobiphenyl	525		516.0		102	50	130				
Surr: 2-Fluorophenol	445		1,032		43.1	40	140				
Surr: Nitrobenzene-d5	560		516.0		108	50	130				
Surr: Phenol-d6	939		1,032		91.0	50	140				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108082-002BMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>							
Client ID: <b>HM-06-081811</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29048</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: p-Terphenyl                      455                      516.0                      88.2                      40                      130

Sample ID: <b>1108082-002BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1595</b>							
Client ID: <b>HM-06-081811</b>	Batch ID: <b>982</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29049</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	1,080	204	1,019	0	106	40	140	1,176	8.85	30	
2-Chlorophenol	1,100	102	1,019	0	108	40	140	1,149	4.00	30	
1,4-Dichlorobenzene	402	102	509.7	0	78.8	50	130	442.7	9.69	30	
N-Nitrosodi-n-propylamine	450	102	509.7	0	88.3	50	130	472.3	4.83	30	
1,2,4-Trichlorobenzene	312	102	509.7	0	61.1	50	130	353.1	12.5	30	
4-Chloro-3-methylphenol	868	510	1,019	0	85.1	40	140	853.5	1.64	30	
Acenaphthene	388	102	509.7	0	76.1	50	130	501.7	25.5	30	
2,4-Dinitrotoluene	505	102	509.7	0	99.0	50	130	559.1	10.2	30	
Pentachlorophenol	1,020	102	1,019	0	100	40	140	965.2	5.44	30	
Pyrene	406	102	509.7	0	79.7	50	130	380.2	6.65	30	
Surr: 2,4,6-Tribromophenol	915		1,019		89.7	40	140		0		
Surr: 2-Fluorobiphenyl	467		509.7		91.7	50	130		0		
Surr: 2-Fluorophenol	730		1,019		71.6	40	140		0		
Surr: Nitrobenzene-d5	526		509.7		103	50	130		0		
Surr: Phenol-d6	988		1,019		97.0	50	140		0		
Surr: p-Terphenyl	394		509.7		77.3	40	130		0		

**Qualifiers:** E Value above quantitation range                      H Holding times for preparation or analysis exceeded                      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit                      R RPD outside accepted recovery limits                      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-977</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1592</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>977</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29000</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-977</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1592</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>977</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29000</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
Chloroprene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-977</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>				Prep Date: <b>8/19/2011</b>	RunNo: <b>1592</b>				
Client ID: <b>MBLKS</b>	Batch ID: <b>977</b>					Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29000</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.0201		0.02000		101	72	135				
Surr: Dibromofluoromethane	0.0175		0.02000		87.3	75.1	135				
Surr: Toluene-d8	0.0178		0.02000		89.2	76.5	134				

Sample ID: <b>LCS-977</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>				Prep Date: <b>8/19/2011</b>	RunNo: <b>1592</b>				
Client ID: <b>LCSS</b>	Batch ID: <b>977</b>					Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29001</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.235	0.0500	0.2000	0	118	65	135				
Benzene	0.202	0.0200	0.2000	0	101	72.4	128				
Trichloroethene (TCE)	0.202	0.0300	0.2000	0	101	65.7	135				
Toluene	0.212	0.0200	0.2000	0	106	70.8	131				
Chlorobenzene	0.191	0.0200	0.2000	0	95.4	65	134				
Surr: 1-Bromo-4-fluorobenzene	0.0205		0.02000		103	72	135				
Surr: Dibromofluoromethane	0.0187		0.02000		93.7	75.1	135				
Surr: Toluene-d8	0.0194		0.02000		96.9	76.5	134				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1108082-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/19/2011	RunNo: 1592							
Client ID: HM-05-081811	Batch ID: 977		Analysis Date: 8/22/2011	SeqNo: 29003							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0762						0	0	30	
Chloromethane	ND	0.0762						0	0	30	
Vinyl chloride	ND	0.00254						0	0	30	
Bromomethane	ND	0.114						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0635						0	0	30	
Chloroethane	ND	0.0762						0	0	30	
1,1-Dichloroethene	ND	0.0635						0	0	30	
Methylene chloride	ND	0.0254						0	0	30	
trans-1,2-Dichloroethene	ND	0.0254						0	0	30	
1,1-Dichloroethane	ND	0.0254						0	0	30	
2,2-Dichloropropane	ND	0.0635						0	0	30	
cis-1,2-Dichloroethene	ND	0.0254						0	0	30	
Chloroform	ND	0.0254						0	0	30	
Trichloroethane (TCA)	ND	0.0254						0	0	30	
1,1-Dichloropropene	ND	0.0254						0	0	30	
Carbon tetrachloride	ND	0.0254						0	0	30	
1,2-Dichloroethane	ND	0.0381						0	0	30	
Benzene	ND	0.0254						0	0	30	
Trichloroethene (TCE)	ND	0.0381						0	0	30	
1,2-Dichloropropane	ND	0.0254						0	0	30	
Bromodichloromethane	ND	0.0254						0	0	30	
Dibromomethane	ND	0.0508						0	0	30	
cis-1,3-Dichloropropene	ND	0.0254						0	0	30	
Toluene	ND	0.0254						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0381						0	0	30	
1,1,2-Trichloroethane	ND	0.0381						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108082

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID:	1108082-001ADUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	8/19/2011	RunNo:	1592		
Client ID:	HM-05-081811	Batch ID:	977	Analysis Date:	8/22/2011	SeqNo:	29003				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0635						0	0	30	
Tetrachloroethene (PCE)	ND	0.0254						0	0	30	
Dibromochloromethane	ND	0.0381						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00635						0	0	30	
Chlorobenzene	ND	0.0254						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0381						0	0	30	
Ethylbenzene	ND	0.0381						0	0	30	
m,p-Xylene	ND	0.0254						0	0	30	
o-Xylene	ND	0.0254						0	0	30	
Styrene	ND	0.0254						0	0	30	
Isopropylbenzene	ND	0.102						0	0	30	
Bromoform	ND	0.0254						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0254						0	0	30	
n-Propylbenzene	ND	0.0254						0	0	30	
Bromobenzene	ND	0.0381						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0254						0	0	30	
2-Chlorotoluene	ND	0.0254						0	0	30	
4-Chlorotoluene	ND	0.0254						0	0	30	
tert-Butylbenzene	ND	0.0254						0	0	30	
1,2,3-Trichloropropane	ND	0.0254						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0635						0	0	30	
sec-Butylbenzene	ND	0.0254						0	0	30	
4-Isopropyltoluene	ND	0.0254						0	0	30	
Chloroprene	ND	0.0254						0	0	30	
1,3-Dichlorobenzene	ND	0.0254						0	0	30	
1,4-Dichlorobenzene	ND	0.0254						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108082

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1108082-001ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1592</b>							
Client ID: <b>HM-05-081811</b>	Batch ID: <b>977</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29003</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0254						0	0	30	
1,2-Dichlorobenzene	ND	0.0254						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0381						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0254						0	0	30	
Hexachloro-1,3-butadiene	ND	0.127						0	0	30	
Naphthalene	ND	0.0381						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0254						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.0227		0.02541		89.3	72	135		0		
Surr: Dibromofluoromethane	0.0270		0.02541		106	75.1	135		0		
Surr: Toluene-d8	0.0235		0.02541		92.6	76.5	134		0		

Sample ID: <b>1108082-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/19/2011</b>	RunNo: <b>1592</b>							
Client ID: <b>HM-06-081811</b>	Batch ID: <b>977</b>		Analysis Date: <b>8/22/2011</b>	SeqNo: <b>29005</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.282	0.0676	0.2703	0	104	65	135				
Benzene	0.297	0.0270	0.2703	0.001200	109	65	135				
Trichloroethene (TCE)	0.269	0.0405	0.2703	0	99.5	65	135				
Toluene	0.266	0.0270	0.2703	0.004506	96.7	65	135				
Chlorobenzene	0.235	0.0270	0.2703	0	87.1	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0251		0.02703		92.8	72	135				
Surr: Dibromofluoromethane	0.0250		0.02703		92.5	75.1	135				
Surr: Toluene-d8	0.0242		0.02703		89.7	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: Calibre  
Address:  
City, State, Zip

Reports To (PM): Tom McKen Fax

Grant Dawson  
Justin Neste

# Chain of Custody Record

Laboratory Project No (Internuff): 1108082

Page: 1 of 1

Project Name: Hytec  
Location: Little Rock, WA  
Collected by: GWD

Date: 8/18/11

Project Name:  
Location:  
Collected by:

Tel:

Email:

Project No:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	BTEX	Gasoline Range Organics	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics	EPA 8021b	PAH (EPA 8270 - 5M)	PCBs (EPA 8270)	Cl Particles (EPA 8081)	Cl Matter (EPA 8152)	Total (T) Dissolved (D)	Metals (IC)**	Comments/Depth
HM-05-081811	8/18/11	1430	Soil	X		X	X	X	X	X	X	X	X	X		
HM-06-081811	8/18/11	1435	Soil	X		X	X	X	X	X	X	X	X	X		
HM-07-081811	8/18/11	1440	Soil	X		X	X	X	X	X	X	X	X	X		
DUP3*	8/18/11	0900	Soil	X		X	X	X	X	X	X	X	X	X		
HM-08-081811	8/18/11	1445	Soil	X		X	X	X	X	X	X	X	X	X		
HM-09-081811	8/18/11	1450	Soil	X		X	X	X	X	X	X	X	X	X		
HM-10-081811	8/18/11	1455	Soil	X		X	X	X	X	X	X	X	X	X		
HS-01-081811	8/18/11	1500	Soil	X		X	X	X	X	X	X	X	X	X		
HS-02-081811	8/18/11	1505	Soil	X		X	X	X	X	X	X	X	X	X		

\*\*Metals Analysis (Circle): MITCA-5 RCM-8 RCM-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Fluoride Nitrate+Nitrite

Special Disposal:  Return to Client  Disposal by Lab (A too may be assessed if sample retained after 30 days.)

Relinquished Date/Time: 8/19/11 800  
Relinquished Date/Time: 8/19/11 800  
Relinquished Date/Time: 8/19/11 800

TAT -> NOT DAY 2 DAY 3 DAY STD



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1108142**

September 01, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 5 sample(s) on 8/26/2011 for the analyses presented in the following report.

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 6020***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Dee".

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Justin Neste



Date: 09/01/2011

---

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1108142

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1108142-001	HM-11-082611	08/26/2011 9:45 AM	08/26/2011 2:48 PM
1108142-002	HM-12-082611	08/26/2011 9:50 AM	08/26/2011 2:48 PM
1108142-003	HM-13-082611	08/26/2011 9:55 AM	08/26/2011 2:48 PM
1108142-004	HM-14-082611	08/26/2011 10:00 AM	08/26/2011 2:48 PM
1108142-005	HM-15-082611	08/26/2011 10:05 AM	08/26/2011 2:48 PM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Calibre**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:45:00 AM

**Project:** Hytec

**Lab ID:** 1108142-001

**Matrix:** Soil

**Client Sample ID:** HM-11-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

Phenol	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Bis(2-chloroethyl) ether	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Benzyl alcohol	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Nitrobenzene	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Isophorone	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
4-Methylphenol	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2-Nitrophenol	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2,4-Dichlorophenol	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Naphthalene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
4-Chloroaniline	ND	508		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
4-Chloro-3-methylphenol	ND	508		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2,4,6-Trichlorophenol	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2,4,5-Trichlorophenol	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2-Nitroaniline	ND	508		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Acenaphthene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Dimethylphthalate	139	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Acenaphthylene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
2,4-Dinitrophenol	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Dibenzofuran	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:45:00 AM

**Project:** Hytec

**Lab ID:** 1108142-001

**Matrix:** Soil

**Client Sample ID:** HM-11-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
4-Nitrophenol	ND	508		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Fluorene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Diethylphthalate	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
4,6-Dinitro-2-methylphenol	ND	203		µg/Kg-dry	1	8/26/2011 7:33:00 PM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Pentachlorophenol	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Phenanthrene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Anthracene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Carbazole	ND	508		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Di-n-butylphthalate	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Fluoranthene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Pyrene	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Benz (a) anthracene	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Chrysene	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
bis (2-Ethylhexyl) phthalate	ND	102		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Di-n-octyl phthalate	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Benzo (b) fluoranthene	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Benzo (k) fluoranthene	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Benzo (a) pyrene	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Indeno (1,2,3-cd) pyrene	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Dibenz (a,h) anthracene	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Benzo (g,h,i) perylene	ND	81.3		µg/Kg-dry	1	8/26/2011 7:33:00 PM
Surr: 2,4,6-Tribromophenol	102	40-140		%REC	1	8/26/2011 7:33:00 PM
Surr: 2-Fluorobiphenyl	109	50-130		%REC	1	8/26/2011 7:33:00 PM
Surr: 2-Fluorophenol	132	40-140		%REC	1	8/26/2011 7:33:00 PM
Surr: Nitrobenzene-d5	119	50-130		%REC	1	8/26/2011 7:33:00 PM
Surr: Phenol-d6	102	50-140		%REC	1	8/26/2011 7:33:00 PM
Surr: p-Terphenyl	90.3	40-130		%REC	1	8/26/2011 7:33:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:45:00 AM

**Project:** Hytec

**Lab ID:** 1108142-001

**Matrix:** Soil

**Client Sample ID:** HM-11-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0723		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Chloromethane	ND	0.0723		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Vinyl chloride	ND	0.00241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Bromomethane	ND	0.108		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0603		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Chloroethane	ND	0.0723		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,1-Dichloroethene	ND	0.0603		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Methylene chloride	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
trans-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,1-Dichloroethane	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
2,2-Dichloropropane	ND	0.0603		mg/Kg-dry	1	8/31/2011 7:25:00 PM
cis-1,2-Dichloroethene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Chloroform	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Trichloroethane (TCA)	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,1-Dichloropropene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Carbon tetrachloride	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2-Dichloroethane	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Benzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Trichloroethene (TCE)	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2-Dichloropropane	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Bromodichloromethane	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Dibromomethane	ND	0.0482		mg/Kg-dry	1	8/31/2011 7:25:00 PM
cis-1,3-Dichloropropene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Toluene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
trans-1,3-Dichloropropylene	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,1,2-Trichloroethane	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,3-Dichloropropane	ND	0.0603		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Tetrachloroethene (PCE)	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Dibromochloromethane	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2-Dibromoethane (EDB)	ND	0.00603		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Chlorobenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Ethylbenzene	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
m,p-Xylene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
o-Xylene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/26/2011 9:45:00 AM

**Project:** Hytec

**Lab ID:** 1108142-001

**Matrix:** Soil

**Client Sample ID:** HM-11-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Styrene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Isopropylbenzene	ND	0.0964		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Bromoform	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
n-Propylbenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Bromobenzene	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,3,5-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
2-Chlorotoluene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
4-Chlorotoluene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
tert-Butylbenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2,3-Trichloropropane	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2,4-Trichlorobenzene	ND	0.0603		mg/Kg-dry	1	8/31/2011 7:25:00 PM
sec-Butylbenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
4-Isopropyltoluene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Chloroprene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,3-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,4-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
n-Butylbenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2-Dichlorobenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2,4-Trimethylbenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Hexachloro-1,3-butadiene	ND	0.121		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Naphthalene	ND	0.0362		mg/Kg-dry	1	8/31/2011 7:25:00 PM
1,2,3-Trichlorobenzene	ND	0.0241		mg/Kg-dry	1	8/31/2011 7:25:00 PM
Surr: 1-Bromo-4-fluorobenzene	82.4	72-135		%REC	1	8/31/2011 7:25:00 PM
Surr: Dibromofluoromethane	110	75.1-135		%REC	1	8/31/2011 7:25:00 PM
Surr: Toluene-d8	95.2	76.5-134		%REC	1	8/31/2011 7:25:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1040

Analyst: BR

Cadmium	0.323	0.176		mg/Kg-dry	1	8/30/2011 8:15:08 PM
Lead	4.34	0.176	B	mg/Kg-dry	1	8/30/2011 8:15:08 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:50:00 AM

**Project:** Hytec

**Lab ID:** 1108142-002

**Matrix:** Soil

**Client Sample ID:** HM-12-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

Phenol	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Bis(2-chloroethyl) ether	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2-Chlorophenol	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
1,3-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
1,4-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
1,2-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Benzyl alcohol	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2-Methylphenol (o-cresol)	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Hexachloroethane	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
N-Nitrosodi-n-propylamine	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Nitrobenzene	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Isophorone	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
4-Methylphenol	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2-Nitrophenol	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2,4-Dimethylphenol	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Bis(2-chloroethoxy)methane	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2,4-Dichlorophenol	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
1,2,4-Trichlorobenzene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Naphthalene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
4-Chloroaniline	ND	500		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Hexachlorobutadiene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
4-Chloro-3-methylphenol	ND	500		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2-Methylnaphthalene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
1-Methylnaphthalene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Hexachlorocyclopentadiene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2,4,6-Trichlorophenol	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2,4,5-Trichlorophenol	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2-Chloronaphthalene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2-Nitroaniline	ND	500		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Acenaphthene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Dimethylphthalate	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2,6-Dinitrotoluene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Acenaphthylene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
2,4-Dinitrophenol	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Dibenzofuran	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:50:00 AM

**Project:** Hytec

**Lab ID:** 1108142-002

**Matrix:** Soil

**Client Sample ID:** HM-12-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

2,4-Dinitrotoluene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
4-Nitrophenol	ND	500		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Fluorene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
4-Chlorophenyl phenyl ether	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Diethylphthalate	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
4,6-Dinitro-2-methylphenol	ND	200		µg/Kg-dry	1	8/26/2011 7:55:00 PM
4-Bromophenyl phenyl ether	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Hexachlorobenzene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Pentachlorophenol	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Phenanthrene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Anthracene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Carbazole	ND	500		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Di-n-butylphthalate	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Fluoranthene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Pyrene	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Butyl Benzylphthalate	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
bis(2-Ethylhexyl)adipate	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Benz (a) anthracene	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Chrysene	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
bis (2-Ethylhexyl) phthalate	ND	99.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Di-n-octyl phthalate	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Benzo (b) fluoranthene	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Benzo (k) fluoranthene	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Benzo (a) pyrene	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Indeno (1,2,3-cd) pyrene	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Dibenz (a,h) anthracene	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Benzo (g,h,i) perylene	ND	79.9		µg/Kg-dry	1	8/26/2011 7:55:00 PM
Surr: 2,4,6-Tribromophenol	105	40-140		%REC	1	8/26/2011 7:55:00 PM
Surr: 2-Fluorobiphenyl	109	50-130		%REC	1	8/26/2011 7:55:00 PM
Surr: 2-Fluorophenol	124	40-140		%REC	1	8/26/2011 7:55:00 PM
Surr: Nitrobenzene-d5	129	50-130		%REC	1	8/26/2011 7:55:00 PM
Surr: Phenol-d6	114	50-140		%REC	1	8/26/2011 7:55:00 PM
Surr: p-Terphenyl	101	40-130		%REC	1	8/26/2011 7:55:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:50:00 AM

**Project:** Hytec

**Lab ID:** 1108142-002

**Matrix:** Soil

**Client Sample ID:** HM-12-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0720		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Chloromethane	ND	0.0720		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Vinyl chloride	ND	0.00240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Bromomethane	ND	0.108		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0600		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Chloroethane	ND	0.0720		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,1-Dichloroethene	ND	0.0600		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Methylene chloride	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
trans-1,2-Dichloroethene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,1-Dichloroethane	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
2,2-Dichloropropane	ND	0.0600		mg/Kg-dry	1	8/31/2011 8:11:00 PM
cis-1,2-Dichloroethene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Chloroform	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Trichloroethane (TCA)	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,1-Dichloropropene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Carbon tetrachloride	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2-Dichloroethane	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Benzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Trichloroethene (TCE)	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2-Dichloropropane	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Bromodichloromethane	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Dibromomethane	ND	0.0480		mg/Kg-dry	1	8/31/2011 8:11:00 PM
cis-1,3-Dichloropropene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Toluene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
trans-1,3-Dichloropropylene	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,1,2-Trichloroethane	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,3-Dichloropropane	ND	0.0600		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Tetrachloroethene (PCE)	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Dibromochloromethane	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2-Dibromoethane (EDB)	ND	0.00600		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Chlorobenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Ethylbenzene	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
m,p-Xylene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
o-Xylene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:50:00 AM

**Project:** Hytec

**Lab ID:** 1108142-002

**Matrix:** Soil

**Client Sample ID:** HM-12-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Styrene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Isopropylbenzene	ND	0.0961		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Bromoform	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
n-Propylbenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Bromobenzene	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,3,5-Trimethylbenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
2-Chlorotoluene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
4-Chlorotoluene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
tert-Butylbenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2,3-Trichloropropane	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2,4-Trichlorobenzene	ND	0.0600		mg/Kg-dry	1	8/31/2011 8:11:00 PM
sec-Butylbenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
4-Isopropyltoluene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Chloroprene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,3-Dichlorobenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,4-Dichlorobenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
n-Butylbenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2-Dichlorobenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2,4-Trimethylbenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Hexachloro-1,3-butadiene	ND	0.120		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Naphthalene	ND	0.0360		mg/Kg-dry	1	8/31/2011 8:11:00 PM
1,2,3-Trichlorobenzene	ND	0.0240		mg/Kg-dry	1	8/31/2011 8:11:00 PM
Surr: 1-Bromo-4-fluorobenzene	83.8	72-135		%REC	1	8/31/2011 8:11:00 PM
Surr: Dibromofluoromethane	94.6	75.1-135		%REC	1	8/31/2011 8:11:00 PM
Surr: Toluene-d8	90.4	76.5-134		%REC	1	8/31/2011 8:11:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1040

Analyst: BR

Cadmium	0.183	0.180		mg/Kg-dry	1	8/30/2011 8:48:11 PM
Lead	11.3	0.180	B	mg/Kg-dry	1	8/30/2011 8:48:11 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:55:00 AM

**Project:** Hytec

**Lab ID:** 1108142-003

**Matrix:** Soil

**Client Sample ID:** HM-13-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

Phenol	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Bis(2-chloroethyl) ether	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Benzyl alcohol	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Nitrobenzene	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Isophorone	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
4-Methylphenol	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2-Nitrophenol	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2,4-Dichlorophenol	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Naphthalene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
4-Chloroaniline	ND	510		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
4-Chloro-3-methylphenol	ND	510		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2,4,6-Trichlorophenol	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2,4,5-Trichlorophenol	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2-Nitroaniline	ND	510		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Acenaphthene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Dimethylphthalate	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Acenaphthylene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
2,4-Dinitrophenol	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Dibenzofuran	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:55:00 AM

**Project:** Hytec

**Lab ID:** 1108142-003

**Matrix:** Soil

**Client Sample ID:** HM-13-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
4-Nitrophenol	ND	510		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Fluorene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Diethylphthalate	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
4,6-Dinitro-2-methylphenol	ND	204		µg/Kg-dry	1	8/26/2011 8:16:00 PM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Pentachlorophenol	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Phenanthrene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Anthracene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Carbazole	ND	510		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Di-n-butylphthalate	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Fluoranthene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Pyrene	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Benz (a) anthracene	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Chrysene	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
bis (2-Ethylhexyl) phthalate	ND	102		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Di-n-octyl phthalate	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Benzo (b) fluoranthene	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Benzo (k) fluoranthene	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Benzo (a) pyrene	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Indeno (1,2,3-cd) pyrene	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Dibenz (a,h) anthracene	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Benzo (g,h,i) perylene	ND	81.6		µg/Kg-dry	1	8/26/2011 8:16:00 PM
Surr: 2,4,6-Tribromophenol	102	40-140		%REC	1	8/26/2011 8:16:00 PM
Surr: 2-Fluorobiphenyl	111	50-130		%REC	1	8/26/2011 8:16:00 PM
Surr: 2-Fluorophenol	110	40-140		%REC	1	8/26/2011 8:16:00 PM
Surr: Nitrobenzene-d5	127	50-130		%REC	1	8/26/2011 8:16:00 PM
Surr: Phenol-d6	116	50-140		%REC	1	8/26/2011 8:16:00 PM
Surr: p-Terphenyl	104	40-130		%REC	1	8/26/2011 8:16:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 9:55:00 AM

**Project:** Hytec

**Lab ID:** 1108142-003

**Matrix:** Soil

**Client Sample ID:** HM-13-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0706		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Chloromethane	ND	0.0706		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Vinyl chloride	ND	0.00235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Bromomethane	ND	0.106		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0589		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Chloroethane	ND	0.0706		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,1-Dichloroethene	ND	0.0589		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Methylene chloride	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
trans-1,2-Dichloroethene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,1-Dichloroethane	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
2,2-Dichloropropane	ND	0.0589		mg/Kg-dry	1	8/31/2011 8:56:00 PM
cis-1,2-Dichloroethene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Chloroform	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Trichloroethane (TCA)	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,1-Dichloropropene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Carbon tetrachloride	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2-Dichloroethane	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Benzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Trichloroethene (TCE)	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2-Dichloropropane	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Bromodichloromethane	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Dibromomethane	ND	0.0471		mg/Kg-dry	1	8/31/2011 8:56:00 PM
cis-1,3-Dichloropropene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Toluene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
trans-1,3-Dichloropropylene	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,1,2-Trichloroethane	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,3-Dichloropropane	ND	0.0589		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Tetrachloroethene (PCE)	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Dibromochloromethane	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2-Dibromoethane (EDB)	ND	0.00589		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Chlorobenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Ethylbenzene	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
m,p-Xylene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
o-Xylene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/26/2011 9:55:00 AM

**Project:** Hytec

**Lab ID:** 1108142-003

**Matrix:** Soil

**Client Sample ID:** HM-13-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Styrene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Isopropylbenzene	ND	0.0942		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Bromoform	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
n-Propylbenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Bromobenzene	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,3,5-Trimethylbenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
2-Chlorotoluene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
4-Chlorotoluene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
tert-Butylbenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2,3-Trichloropropane	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2,4-Trichlorobenzene	ND	0.0589		mg/Kg-dry	1	8/31/2011 8:56:00 PM
sec-Butylbenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
4-Isopropyltoluene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Chloroprene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,3-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,4-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
n-Butylbenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2,4-Trimethylbenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Hexachloro-1,3-butadiene	ND	0.118		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Naphthalene	ND	0.0353		mg/Kg-dry	1	8/31/2011 8:56:00 PM
1,2,3-Trichlorobenzene	ND	0.0235		mg/Kg-dry	1	8/31/2011 8:56:00 PM
Surr: 1-Bromo-4-fluorobenzene	84.6	72-135		%REC	1	8/31/2011 8:56:00 PM
Surr: Dibromofluoromethane	98.8	75.1-135		%REC	1	8/31/2011 8:56:00 PM
Surr: Toluene-d8	105	76.5-134		%REC	1	8/31/2011 8:56:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1040

Analyst: BR

Cadmium	0.302	0.184		mg/Kg-dry	1	8/30/2011 8:54:49 PM
Lead	4.29	0.184	B	mg/Kg-dry	1	8/30/2011 8:54:49 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 10:00:00 AM

**Project:** Hytec

**Lab ID:** 1108142-004

**Matrix:** Soil

**Client Sample ID:** HM-14-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

Phenol	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Bis(2-chloroethyl) ether	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2-Chlorophenol	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
1,3-Dichlorobenzene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
1,4-Dichlorobenzene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
1,2-Dichlorobenzene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Benzyl alcohol	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2-Methylphenol (o-cresol)	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Hexachloroethane	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
N-Nitrosodi-n-propylamine	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Nitrobenzene	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Isophorone	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
4-Methylphenol	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2-Nitrophenol	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2,4-Dimethylphenol	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Bis(2-chloroethoxy)methane	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2,4-Dichlorophenol	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
1,2,4-Trichlorobenzene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Naphthalene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
4-Chloroaniline	ND	491		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Hexachlorobutadiene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
4-Chloro-3-methylphenol	ND	491		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2-Methylnaphthalene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
1-Methylnaphthalene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Hexachlorocyclopentadiene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2,4,6-Trichlorophenol	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2,4,5-Trichlorophenol	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2-Chloronaphthalene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2-Nitroaniline	ND	491		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Acenaphthene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Dimethylphthalate	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2,6-Dinitrotoluene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Acenaphthylene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
2,4-Dinitrophenol	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Dibenzofuran	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/26/2011 10:00:00 AM

**Project:** Hytec

**Lab ID:** 1108142-004

**Matrix:** Soil

**Client Sample ID:** HM-14-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

2,4-Dinitrotoluene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
4-Nitrophenol	ND	491		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Fluorene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
4-Chlorophenyl phenyl ether	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Diethylphthalate	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
4,6-Dinitro-2-methylphenol	ND	197		µg/Kg-dry	1	8/26/2011 8:37:00 PM
4-Bromophenyl phenyl ether	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Hexachlorobenzene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Pentachlorophenol	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Phenanthrene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Anthracene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Carbazole	ND	491		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Di-n-butylphthalate	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Fluoranthene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Pyrene	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Butyl Benzylphthalate	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
bis(2-Ethylhexyl)adipate	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Benz (a) anthracene	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Chrysene	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
bis (2-Ethylhexyl) phthalate	ND	98.3		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Di-n-octyl phthalate	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Benzo (b) fluoranthene	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Benzo (k) fluoranthene	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Benzo (a) pyrene	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Indeno (1,2,3-cd) pyrene	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Dibenz (a,h) anthracene	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Benzo (g,h,i) perylene	ND	78.6		µg/Kg-dry	1	8/26/2011 8:37:00 PM
Surr: 2,4,6-Tribromophenol	90.6	40-140		%REC	1	8/26/2011 8:37:00 PM
Surr: 2-Fluorobiphenyl	110	50-130		%REC	1	8/26/2011 8:37:00 PM
Surr: 2-Fluorophenol	103	40-140		%REC	1	8/26/2011 8:37:00 PM
Surr: Nitrobenzene-d5	125	50-130		%REC	1	8/26/2011 8:37:00 PM
Surr: Phenol-d6	120	50-140		%REC	1	8/26/2011 8:37:00 PM
Surr: p-Terphenyl	96.5	40-130		%REC	1	8/26/2011 8:37:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 10:00:00 AM

**Project:** Hytec

**Lab ID:** 1108142-004

**Matrix:** Soil

**Client Sample ID:** HM-14-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0666		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Chloromethane	ND	0.0666		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Vinyl chloride	ND	0.00222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Bromomethane	ND	0.0999		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0555		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Chloroethane	ND	0.0666		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,1-Dichloroethene	ND	0.0555		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Methylene chloride	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
trans-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,1-Dichloroethane	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
2,2-Dichloropropane	ND	0.0555		mg/Kg-dry	1	8/31/2011 9:19:00 PM
cis-1,2-Dichloroethene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Chloroform	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Trichloroethane (TCA)	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,1-Dichloropropene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Carbon tetrachloride	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2-Dichloroethane	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Benzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Trichloroethene (TCE)	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2-Dichloropropane	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Bromodichloromethane	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Dibromomethane	ND	0.0444		mg/Kg-dry	1	8/31/2011 9:19:00 PM
cis-1,3-Dichloropropene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Toluene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
trans-1,3-Dichloropropylene	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,1,2-Trichloroethane	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,3-Dichloropropane	ND	0.0555		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Tetrachloroethene (PCE)	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Dibromochloromethane	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2-Dibromoethane (EDB)	ND	0.00555		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Chlorobenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Ethylbenzene	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
m,p-Xylene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
o-Xylene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 10:00:00 AM

**Project:** Hytec

**Lab ID:** 1108142-004

**Matrix:** Soil

**Client Sample ID:** HM-14-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Styrene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Isopropylbenzene	ND	0.0888		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Bromoform	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
n-Propylbenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Bromobenzene	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,3,5-Trimethylbenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
2-Chlorotoluene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
4-Chlorotoluene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
tert-Butylbenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2,3-Trichloropropane	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2,4-Trichlorobenzene	ND	0.0555		mg/Kg-dry	1	8/31/2011 9:19:00 PM
sec-Butylbenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
4-Isopropyltoluene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Chloroprene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,3-Dichlorobenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,4-Dichlorobenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
n-Butylbenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2-Dichlorobenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2,4-Trimethylbenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Hexachloro-1,3-butadiene	ND	0.111		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Naphthalene	ND	0.0333		mg/Kg-dry	1	8/31/2011 9:19:00 PM
1,2,3-Trichlorobenzene	ND	0.0222		mg/Kg-dry	1	8/31/2011 9:19:00 PM
Surr: 1-Bromo-4-fluorobenzene	89.0	72-135		%REC	1	8/31/2011 9:19:00 PM
Surr: Dibromofluoromethane	93.4	75.1-135		%REC	1	8/31/2011 9:19:00 PM
Surr: Toluene-d8	93.2	76.5-134		%REC	1	8/31/2011 9:19:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1040

Analyst: BR

Cadmium	ND	0.179		mg/Kg-dry	1	8/30/2011 9:01:27 PM
Lead	4.07	0.179	B	mg/Kg-dry	1	8/30/2011 9:01:27 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 10:05:00 AM

**Project:** Hytec

**Lab ID:** 1108142-005

**Matrix:** Soil

**Client Sample ID:** HM-15-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

Phenol	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Bis(2-chloroethyl) ether	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2-Chlorophenol	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
1,3-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
1,4-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
1,2-Dichlorobenzene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Benzyl alcohol	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2-Methylphenol (o-cresol)	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Hexachloroethane	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
N-Nitrosodi-n-propylamine	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Nitrobenzene	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Isophorone	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
4-Methylphenol	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2-Nitrophenol	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2,4-Dimethylphenol	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Bis(2-chloroethoxy)methane	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2,4-Dichlorophenol	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
1,2,4-Trichlorobenzene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Naphthalene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
4-Chloroaniline	ND	562		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Hexachlorobutadiene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
4-Chloro-3-methylphenol	ND	562		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2-Methylnaphthalene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
1-Methylnaphthalene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Hexachlorocyclopentadiene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2,4,6-Trichlorophenol	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2,4,5-Trichlorophenol	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2-Chloronaphthalene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2-Nitroaniline	ND	562		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Acenaphthene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Dimethylphthalate	4,640	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2,6-Dinitrotoluene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Acenaphthylene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
2,4-Dinitrophenol	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Dibenzofuran	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 10:05:00 AM

**Project:** Hytec

**Lab ID:** 1108142-005

**Matrix:** Soil

**Client Sample ID:** HM-15-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

2,4-Dinitrotoluene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
4-Nitrophenol	ND	562		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Fluorene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
4-Chlorophenyl phenyl ether	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Diethylphthalate	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
4,6-Dinitro-2-methylphenol	ND	225		µg/Kg-dry	1	8/26/2011 8:58:00 PM
4-Bromophenyl phenyl ether	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Hexachlorobenzene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Pentachlorophenol	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Phenanthrene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Anthracene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Carbazole	ND	562		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Di-n-butylphthalate	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Fluoranthene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Pyrene	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Butyl Benzylphthalate	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
bis(2-Ethylhexyl)adipate	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Benz (a) anthracene	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Chrysene	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
bis (2-Ethylhexyl) phthalate	ND	112		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Di-n-octyl phthalate	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Benzo (b) fluoranthene	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Benzo (k) fluoranthene	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Benzo (a) pyrene	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Indeno (1,2,3-cd) pyrene	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Dibenz (a,h) anthracene	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Benzo (g,h,i) perylene	ND	89.9		µg/Kg-dry	1	8/26/2011 8:58:00 PM
Surr: 2,4,6-Tribromophenol	106	40-140		%REC	1	8/26/2011 8:58:00 PM
Surr: 2-Fluorobiphenyl	114	50-130		%REC	1	8/26/2011 8:58:00 PM
Surr: 2-Fluorophenol	106	40-140		%REC	1	8/26/2011 8:58:00 PM
Surr: Nitrobenzene-d5	131	50-130	S	%REC	1	8/26/2011 8:58:00 PM
Surr: Phenol-d6	108	50-140		%REC	1	8/26/2011 8:58:00 PM
Surr: p-Terphenyl	105	40-130		%REC	1	8/26/2011 8:58:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 8/26/2011 10:05:00 AM

**Project:** Hytec

**Lab ID:** 1108142-005

**Matrix:** Soil

**Client Sample ID:** HM-15-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1034

Analyst: SG

**NOTES:**

Anomalous detection of Dimethyl phthalate. Detections are not found in Duplicate, MS or MSD.  
Possible Matrix inhomogeneity.

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0874		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Chloromethane	ND	0.0874		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Vinyl chloride	ND	0.00291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Bromomethane	ND	0.131		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0729		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Chloroethane	ND	0.0874		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,1-Dichloroethene	ND	0.0729		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Methylene chloride	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
trans-1,2-Dichloroethene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,1-Dichloroethane	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
2,2-Dichloropropane	ND	0.0729		mg/Kg-dry	1	8/31/2011 9:42:00 PM
cis-1,2-Dichloroethene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Chloroform	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Trichloroethane (TCA)	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,1-Dichloropropene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Carbon tetrachloride	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,2-Dichloroethane	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Benzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Trichloroethene (TCE)	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,2-Dichloropropane	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Bromodichloromethane	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Dibromomethane	ND	0.0583		mg/Kg-dry	1	8/31/2011 9:42:00 PM
cis-1,3-Dichloropropene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Toluene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
trans-1,3-Dichloropropylene	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,1,2-Trichloroethane	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,3-Dichloropropane	ND	0.0729		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Tetrachloroethene (PCE)	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Dibromochloromethane	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1108142

Date Reported: 9/1/2011

**Client:** Calibre

**Collection Date:** 8/26/2011 10:05:00 AM

**Project:** Hytec

**Lab ID:** 1108142-005

**Matrix:** Soil

**Client Sample ID:** HM-15-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1033

Analyst: PH

1,2-Dibromoethane (EDB)	ND	0.00729		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Chlorobenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Ethylbenzene	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
m,p-Xylene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
o-Xylene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Styrene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Isopropylbenzene	ND	0.117		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Bromoform	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
n-Propylbenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Bromobenzene	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,3,5-Trimethylbenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
2-Chlorotoluene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
4-Chlorotoluene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
tert-Butylbenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,2,3-Trichloropropane	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,2,4-Trichlorobenzene	ND	0.0729		mg/Kg-dry	1	8/31/2011 9:42:00 PM
sec-Butylbenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
4-Isopropyltoluene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Chloroprene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,3-Dichlorobenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,4-Dichlorobenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
n-Butylbenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,2-Dichlorobenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,2,4-Trimethylbenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Hexachloro-1,3-butadiene	ND	0.146		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Naphthalene	ND	0.0437		mg/Kg-dry	1	8/31/2011 9:42:00 PM
1,2,3-Trichlorobenzene	ND	0.0291		mg/Kg-dry	1	8/31/2011 9:42:00 PM
Surr: 1-Bromo-4-fluorobenzene	76.9	72-135		%REC	1	8/31/2011 9:42:00 PM
Surr: Dibromofluoromethane	92.8	75.1-135		%REC	1	8/31/2011 9:42:00 PM
Surr: Toluene-d8	96.9	76.5-134		%REC	1	8/31/2011 9:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 8/26/2011 10:05:00 AM

**Project:** Hytec

**Lab ID:** 1108142-005

**Matrix:** Soil

**Client Sample ID:** HM-15-082611

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 6020**

Batch ID: 1040

Analyst: BR

Cadmium	0.205	0.195		mg/Kg-dry	1	8/30/2011 9:08:04 PM
Lead	4.59	0.195	B	mg/Kg-dry	1	8/30/2011 9:08:04 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Total Metals by EPA Method 6020

Sample ID: <b>MB-1040</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/30/2011</b>	RunNo: <b>1698</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>1040</b>		Analysis Date: <b>8/30/2011</b>	SeqNo: <b>30661</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.200									
Lead	0.315	0.200									

Sample ID: <b>LCS-1040</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/30/2011</b>	RunNo: <b>1698</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1040</b>		Analysis Date: <b>8/30/2011</b>	SeqNo: <b>30662</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.68	0.200	2.500	0	107	80	120				
Lead	24.1	0.200	25.00	0	96.4	80	120				B

Sample ID: <b>1108142-001BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/30/2011</b>	RunNo: <b>1698</b>							
Client ID: <b>HM-11-082611</b>	Batch ID: <b>1040</b>		Analysis Date: <b>8/30/2011</b>	SeqNo: <b>30664</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	0.361	0.180						0.3229	11.0	30	
Lead	4.19	0.180						4.337	3.47	30	B

Sample ID: <b>1108142-001BMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>8/30/2011</b>	RunNo: <b>1698</b>							
Client ID: <b>HM-11-082611</b>	Batch ID: <b>1040</b>		Analysis Date: <b>8/30/2011</b>	SeqNo: <b>30665</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.45	0.175	2.185	0.3229	97.3	75	125				
Lead	26.9	0.175	21.85	4.337	103	75	125				B

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				



Date: 9/1/2011

Work Order: 1108142  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 6020**

Sample ID: 1108142-001BMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 8/30/2011	RunNo: 1698							
Client ID: HM-11-082611	Batch ID: 1040		Analysis Date: 8/30/2011	SeqNo: 30666							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.46	0.182	2.272	0.3229	94.0	75	125	2.450	0.357	30	
Lead	30.9	0.182	22.72	4.337	117	75	125	26.89	13.9	30	B

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 9/1/2011

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1108142-005BDUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 8/26/2011	RunNo: 1668							
Client ID: HM-15-082611	Batch ID: 1034	Analysis Date: 8/26/2011	SeqNo: 30165								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	233						0	0	30	
Bis(2-chloroethyl) ether	ND	233						0	0	30	
2-Chlorophenol	ND	116						0	0	30	
1,3-Dichlorobenzene	ND	116						0	0	30	
1,4-Dichlorobenzene	ND	116						0	0	30	
1,2-Dichlorobenzene	ND	116						0	0	30	
Benzyl alcohol	ND	116						0	0	30	
2-Methylphenol (o-cresol)	ND	116						0	0	30	
Hexachloroethane	ND	116						0	0	30	
N-Nitrosodi-n-propylamine	ND	116						0	0	30	
Nitrobenzene	ND	233						0	0	30	
Isophorone	ND	116						0	0	30	
4-Methylphenol	ND	116						0	0	30	
2-Nitrophenol	ND	233						0	0	30	
2,4-Dimethylphenol	ND	116						0	0	30	
Bis(2-chloroethoxy)methane	ND	116						0	0	30	
2,4-Dichlorophenol	ND	233						0	0	30	
1,2,4-Trichlorobenzene	ND	116						0	0	30	
Naphthalene	ND	116						0	0	30	
4-Chloroaniline	ND	582						0	0	30	
Hexachlorobutadiene	ND	116						0	0	30	
4-Chloro-3-methylphenol	ND	582						0	0	30	
2-Methylnaphthalene	ND	116						0	0	30	
1-Methylnaphthalene	ND	116						0	0	30	
Hexachlorocyclopentadiene	ND	116						0	0	30	
2,4,6-Trichlorophenol	ND	233						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID:	1108142-005BDUP	SampType:	DUP	Units:	µg/Kg-dry	Prep Date:	8/26/2011	RunNo:	1668		
Client ID:	HM-15-082611	Batch ID:	1034	Analysis Date:	8/26/2011	SeqNo:	30165				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	233						0	0	30	
2-Chloronaphthalene	ND	116						0	0	30	
2-Nitroaniline	ND	582						0	0	30	
Acenaphthene	ND	116						0	0	30	
Dimethylphthalate	ND	116						4,636	200	30	R
2,6-Dinitrotoluene	ND	116						0	0	30	
Acenaphthylene	ND	116						0	0	30	
2,4-Dinitrophenol	ND	233						0	0	30	
Dibenzofuran	ND	116						0	0	30	
2,4-Dinitrotoluene	ND	116						0	0	30	
4-Nitrophenol	ND	582						0	0	30	
Fluorene	ND	116						0	0	30	
4-Chlorophenyl phenyl ether	ND	116						0	0	30	
Diethylphthalate	ND	116						0	0	30	
4,6-Dinitro-2-methylphenol	ND	233						0	0	30	
4-Bromophenyl phenyl ether	ND	116						0	0	30	
Hexachlorobenzene	ND	116						0	0	30	
Pentachlorophenol	ND	116						0	0	30	
Phenanthrene	ND	116						0	0	30	
Anthracene	ND	116						0	0	30	
Carbazole	ND	582						0	0	30	
Di-n-butylphthalate	ND	116						0	0	30	
Fluoranthene	ND	116						0	0	30	
Pyrene	ND	116						0	0	30	
Butyl Benzylphthalate	ND	116						0	0	30	
bis(2-Ethylhexyl)adipate	ND	116						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108142-005BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>							
Client ID: <b>HM-15-082611</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30165</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz (a) anthracene	ND	93.0						0	0	30	
Chrysene	ND	93.0						0	0	30	
bis (2-Ethylhexyl) phthalate	ND	116						0	0	30	
Di-n-octyl phthalate	ND	93.0						0	0	30	
Benzo (b) fluoranthene	ND	93.0						0	0	30	
Benzo (k) fluoranthene	ND	93.0						0	0	30	
Benzo (a) pyrene	ND	93.0						0	0	30	
Indeno (1,2,3-cd) pyrene	ND	93.0						0	0	30	
Dibenz (a,h) anthracene	ND	93.0						0	0	30	
Benzo (g,h,i) perylene	ND	93.0						0	0	30	
Surr: 2,4,6-Tribromophenol	1,200		1,163		103	40	140		0		
Surr: 2-Fluorobiphenyl	625		581.6		107	50	130		0		
Surr: 2-Fluorophenol	1,230		1,163		106	40	140		0		
Surr: Nitrobenzene-d5	772		581.6		133	50	130		0		S
Surr: Phenol-d6	1,300		1,163		112	50	140		0		
Surr: p-Terphenyl	602		581.6		103	40	130		0		

Sample ID: <b>1108142-005BMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>							
Client ID: <b>HM-15-082611</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30166</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,090	225	1,126	0	96.6	40	140				
2-Chlorophenol	1,230	113	1,126	0	109	40	140				
1,4-Dichlorobenzene	503	113	563.2	0	89.4	50	130				
N-Nitrosodi-n-propylamine	469	113	563.2	0	83.3	50	130				
1,2,4-Trichlorobenzene	485	113	563.2	0	86.2	50	130				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108142

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108142-005BMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>							
Client ID: <b>HM-15-082611</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30166</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	1,080	563	1,126	0	96.1	40	140				
Acenaphthene	441	113	563.2	0	78.2	50	130				
2,4-Dinitrotoluene	266	113	563.2	0	47.2	50	130				S
Pentachlorophenol	1,310	113	1,126	0	117	40	140				
Pyrene	445	113	563.2	0	79.0	50	130				
Surr: 2,4,6-Tribromophenol	924		1,126		82.0	40	140				
Surr: 2-Fluorobiphenyl	606		563.2		108	50	130				
Surr: 2-Fluorophenol	1,290		1,126		115	40	140				
Surr: Nitrobenzene-d5	770		563.2		137	50	130				S
Surr: Phenol-d6	1,340		1,126		119	50	140				
Surr: p-Terphenyl	515		563.2		91.4	40	130				

Sample ID: <b>1108142-005BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>							
Client ID: <b>HM-15-082611</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30167</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,080	227	1,133	0	95.0	40	140	1,088	1.08	30	
2-Chlorophenol	1,230	113	1,133	0	108	40	140	1,232	0.345	30	
1,4-Dichlorobenzene	519	113	566.5	0	91.7	50	130	503.3	3.14	30	
N-Nitrosodi-n-propylamine	498	113	566.5	0	87.9	50	130	468.9	6.03	30	
1,2,4-Trichlorobenzene	475	113	566.5	0	83.8	50	130	485.3	2.18	30	
4-Chloro-3-methylphenol	1,160	566	1,133	0	102	40	140	1,083	6.82	30	
Acenaphthene	486	113	566.5	0	85.8	50	130	440.7	9.79	30	
2,4-Dinitrotoluene	359	113	566.5	0	63.3	50	130	266.1	29.6	30	
Pentachlorophenol	1,560	113	1,133	0	137	40	140	1,315	16.7	30	
Pyrene	469	113	566.5	0	82.8	50	130	445.0	5.28	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1108142-005BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>							
Client ID: <b>HM-15-082611</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30167</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4,6-Tribromophenol	1,190		1,133		105	40	140		0		
Surr: 2-Fluorobiphenyl	633		566.5		112	50	130		0		
Surr: 2-Fluorophenol	1,350		1,133		119	40	140		0		
Surr: Nitrobenzene-d5	763		566.5		135	50	130		0		S
Surr: Phenol-d6	1,270		1,133		112	50	140		0		
Surr: p-Terphenyl	579		566.5		102	40	130		0		

Sample ID: <b>LCS-1034</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30168</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	986	200	1,000	0	98.6	40	140				
2-Chlorophenol	1,020	100	1,000	0	102	40	140				
1,4-Dichlorobenzene	446	100	500.0	0	89.2	50	130				
N-Nitrosodi-n-propylamine	336	100	500.0	0	67.1	50	130				
1,2,4-Trichlorobenzene	336	100	500.0	0	67.1	50	130				
4-Chloro-3-methylphenol	963	500	1,000	0	96.3	40	140				
Acenaphthene	396	100	500.0	0	79.1	50	130				
2,4-Dinitrotoluene	301	100	500.0	0	60.2	50	130				
Pentachlorophenol	799	100	1,000	0	79.9	40	140				
Pyrene	360	100	500.0	0	72.0	50	130				
Surr: 2,4,6-Tribromophenol	820		1,000		82.0	40	140				
Surr: 2-Fluorobiphenyl	524		500.0		105	50	130				
Surr: 2-Fluorophenol	1,180		1,000		118	40	140				
Surr: Nitrobenzene-d5	507		500.0		101	50	130				
Surr: Phenol-d6	939		1,000		93.9	50	140				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				



Work Order: 1108142  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**

**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>LCS-1034</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30168</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	442		500.0		88.4	40	130				

Sample ID: <b>MB-1034</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30169</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	ND	200									
Bis(2-chloroethyl) ether	ND	200									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	100									
1,4-Dichlorobenzene	ND	100									
1,2-Dichlorobenzene	ND	100									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									
Nitrobenzene	ND	200									
Isophorone	ND	100									
4-Methylphenol	ND	100									
2-Nitrophenol	ND	200									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	100									
2,4-Dichlorophenol	ND	200									
1,2,4-Trichlorobenzene	ND	100									
Naphthalene	ND	100									
4-Chloroaniline	ND	500									

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1034</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30169</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1034</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1668</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1034</b>		Analysis Date: <b>8/26/2011</b>	SeqNo: <b>30169</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									
Surr: 2,4,6-Tribromophenol	714		1,000		71.4	40	140				
Surr: 2-Fluorobiphenyl	553		500.0		111	50	130				
Surr: 2-Fluorophenol	1,180		1,000		118	40	140				
Surr: Nitrobenzene-d5	806		1,000		80.6	50	130				
Surr: Phenol-d6	1,100		1,000		110	50	140				
Surr: p-Terphenyl	470		500.0		94.1	40	130				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>LCS-1033</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>				Prep Date: <b>8/26/2011</b>	RunNo: <b>1707</b>				
Client ID: <b>LCSS</b>	Batch ID: <b>1033</b>					Analysis Date: <b>8/31/2011</b>	SeqNo: <b>30772</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.157	0.0500	0.2000	0	78.4	65	135				
Benzene	0.193	0.0200	0.2000	0	96.4	65	135				
Trichloroethene (TCE)	0.166	0.0300	0.2000	0	82.9	65	135				
Toluene	0.181	0.0200	0.2000	0	90.6	65	135				
Tetrachloroethene (PCE)	0.144	0.0200	0.1600	0	90.3	65	135				
Chlorobenzene	0.184	0.0200	0.2000	0	92.0	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0184		0.02000		91.9	72	144				
Surr: Dibromofluoromethane	0.0185		0.02000		92.5	75.1	137				
Surr: Toluene-d8	0.0195		0.02000		97.6	76.5	134				

Sample ID: <b>MB-1033</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>				Prep Date: <b>8/26/2011</b>	RunNo: <b>1707</b>				
Client ID: <b>MBLKS</b>	Batch ID: <b>1033</b>					Analysis Date: <b>8/31/2011</b>	SeqNo: <b>30773</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-1033</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1707</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1033</b>		Analysis Date: <b>8/31/2011</b>	SeqNo: <b>30773</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-1033</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/26/2011</b>	RunNo: <b>1707</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1033</b>		Analysis Date: <b>8/31/2011</b>	SeqNo: <b>30773</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
Chloroprene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.0203		0.02000		101	72	135				
Surr: Dibromofluoromethane	0.0203		0.02000		102	75.1	135				
Surr: Toluene-d8	0.0208		0.02000		104	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1108142

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID:	1108142-001ADUP	SampType:	DUP	Units:	mg/Kg-dry	Prep Date:	8/26/2011	RunNo:	1707		
Client ID:	HM-11-082611	Batch ID:	1033	Analysis Date:	8/31/2011	SeqNo:	30775				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0760						0	0	30	
Chloromethane	ND	0.0760						0	0	30	
Vinyl chloride	ND	0.00253						0	0	30	
Bromomethane	ND	0.114						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0634						0	0	30	R
Chloroethane	ND	0.0760						0	0	30	
1,1-Dichloroethene	ND	0.0634						0	0	30	
Methylene chloride	ND	0.0253						0	0	30	
trans-1,2-Dichloroethene	ND	0.0253						0	0	30	
1,1-Dichloroethane	ND	0.0253						0	0	30	
2,2-Dichloropropane	ND	0.0634						0	0	30	
cis-1,2-Dichloroethene	ND	0.0253						0	0	30	
Chloroform	ND	0.0253						0	0	30	
Trichloroethane (TCA)	ND	0.0253						0	0	30	
1,1-Dichloropropene	ND	0.0253						0	0	30	
Carbon tetrachloride	ND	0.0253						0	0	30	
1,2-Dichloroethane	ND	0.0380						0	0	30	
Benzene	ND	0.0253						0	0	30	
Trichloroethene (TCE)	ND	0.0380						0	0	30	
1,2-Dichloropropane	ND	0.0253						0	0	30	
Bromodichloromethane	ND	0.0253						0	0	30	
Dibromomethane	ND	0.0507						0	0	30	
cis-1,3-Dichloropropene	ND	0.0253						0	0	30	
Toluene	ND	0.0253						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0380						0	0	30	
1,1,2-Trichloroethane	ND	0.0380						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1108142-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 8/26/2011	RunNo: 1707							
Client ID: HM-11-082611	Batch ID: 1033		Analysis Date: 8/31/2011	SeqNo: 30775							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0634						0	0	30	
Tetrachloroethene (PCE)	ND	0.0253						0	0	30	
Dibromochloromethane	ND	0.0380						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00634						0	0	30	
Chlorobenzene	ND	0.0253						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0380						0	0	30	
Ethylbenzene	ND	0.0380						0	0	30	
m,p-Xylene	ND	0.0253						0	0	30	
o-Xylene	ND	0.0253						0	0	30	
Styrene	ND	0.0253						0	0	30	
Isopropylbenzene	ND	0.101						0	0	30	
Bromoform	ND	0.0253						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0253						0	0	30	
n-Propylbenzene	ND	0.0253						0	0	30	
Bromobenzene	ND	0.0380						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0253						0	0	30	
2-Chlorotoluene	ND	0.0253						0	0	30	
4-Chlorotoluene	ND	0.0253						0	0	30	
tert-Butylbenzene	ND	0.0253						0	0	30	
1,2,3-Trichloropropane	ND	0.0253						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0634						0	0	30	
sec-Butylbenzene	ND	0.0253						0	0	30	
4-Isopropyltoluene	ND	0.0253						0	0	30	
Chloroprene	ND	0.0253						0	0	30	
1,3-Dichlorobenzene	ND	0.0253						0	0	30	
1,4-Dichlorobenzene	ND	0.0253						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1108142

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1108142-001ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>8/26/2011</b>	RunNo: <b>1707</b>				
Client ID: <b>HM-11-082611</b>	Batch ID: <b>1033</b>					Analysis Date: <b>8/31/2011</b>	SeqNo: <b>30775</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0253						0	0	30	
1,2-Dichlorobenzene	ND	0.0253						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0380						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0253						0	0	30	
Hexachloro-1,3-butadiene	ND	0.127						0	0	30	
Naphthalene	ND	0.0380						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0253						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.0205		0.02535		80.8	72	135		0		
Surr: Dibromofluoromethane	0.0268		0.02535		106	75.1	135		0		
Surr: Toluene-d8	0.0260		0.02535		102	76.5	134		0		

Sample ID: <b>1108142-002AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>8/26/2011</b>	RunNo: <b>1707</b>				
Client ID: <b>HM-12-082611</b>	Batch ID: <b>1033</b>					Analysis Date: <b>8/31/2011</b>	SeqNo: <b>30777</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.217	0.0664	0.2655	0	81.6	65	135				
Benzene	0.259	0.0265	0.2655	0	97.6	65	135				
Trichloroethene (TCE)	0.235	0.0398	0.2655	0	88.4	65	135				
Toluene	0.238	0.0265	0.2655	0.003386	88.4	65	135				
Tetrachloroethene (PCE)	0.174	0.0265	0.2124	0	81.9	65	135				
Chlorobenzene	0.234	0.0265	0.2655	0	88.2	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0213		0.02655		80.1	72	144				
Surr: Dibromofluoromethane	0.0235		0.02655		88.5	75.1	137				
Surr: Toluene-d8	0.0244		0.02655		91.8	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: Calibre

Address:

City, State, Zip

Tel:

Project Name:

Location:

Collected by:

Laboratory Project No (Internal): 1108142

Page: 1 of 1

Project Name: tlytec

# Chain of Custody Record

Reports To (PM): Tom McKernan

Email:

Project No:

Grant Dawson  
Justin Nestle

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	BTEX (EPA 8260)	Gasoline Range Organics	Hydrocarbon Identification (MCI)	SEMI VOL (EPA 8270)	PAH (EPA 8270-SM)	PCBs (EPA 8082)	Chlorides (EPA 8081)	Metals* (8020/2008)	Total (T) (Dissolved (D))	Anions (C) **	Comments/Depth
HM-11-082611	8/26/11	0945	Soil	X			X				X	X			
HM-12-082611	8/26/11	0950	Soil	X			X				X	X			
HM-13-082611	8/26/11	0955	Soil	X			X				X	X			
HM-14-082611	8/26/11	1000	Soil	X			X				X	X			
HM-15-082611	8/26/11	1005	Soil	X			X				X	X			
6															
7															
8															
9															
10															

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K MG Mn Mo Na Ni (Pb) Sb Se Sr Sn Tl Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished Date/Time 1440 8/26/11 x  
Received Date/Time 8/26/11 14:48  
Relinquished Date/Time  
Received Date/Time

TAT -> Next Day 2 Day 3 Day STD

Special Remarks:



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1109007**

September 14, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 6 sample(s) on 9/2/2011 for the analyses presented in the following report.

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 6020***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Jeff Dawson  
Justin Neste



Date: 09/14/2011

---

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1109007

---

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1109007-001	HS-03-090111	09/01/2011 1:50 PM	09/02/2011 12:19 PM
1109007-002	HS-04-090111	09/01/2011 1:55 PM	09/02/2011 12:19 PM
1109007-003	HS-05-090111	09/01/2011 2:00 PM	09/02/2011 12:19 PM
1109007-004	HS-06-090111	09/01/2011 2:05 PM	09/02/2011 12:19 PM
1109007-005	HS-07-090111	09/01/2011 2:10 PM	09/02/2011 12:19 PM
1109007-006	HS-08-090111	09/01/2011 2:15 PM	09/02/2011 12:19 PM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Calibre

**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



**Client:** Calibre

**Collection Date:** 9/1/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1109007-001

**Matrix:** Soil

**Client Sample ID:** HS-03-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

Phenol	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Bis(2-chloroethyl) ether	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2-Chlorophenol	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
1,3-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
1,4-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
1,2-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Benzyl alcohol	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2-Methylphenol (o-cresol)	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Hexachloroethane	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
N-Nitrosodi-n-propylamine	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Nitrobenzene	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Isophorone	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
4-Methylphenol	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2-Nitrophenol	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2,4-Dimethylphenol	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Bis(2-chloroethoxy)methane	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2,4-Dichlorophenol	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
1,2,4-Trichlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Naphthalene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
4-Chloroaniline	ND	503		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Hexachlorobutadiene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
4-Chloro-3-methylphenol	ND	503		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2-Methylnaphthalene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
1-Methylnaphthalene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Hexachlorocyclopentadiene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2,4,6-Trichlorophenol	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2,4,5-Trichlorophenol	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2-Chloronaphthalene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2-Nitroaniline	ND	503		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Acenaphthene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Dimethylphthalate	525	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2,6-Dinitrotoluene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Acenaphthylene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
2,4-Dinitrophenol	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Dibenzofuran	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 9/1/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1109007-001

**Matrix:** Soil

**Client Sample ID:** HS-03-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

2,4-Dinitrotoluene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
4-Nitrophenol	ND	503		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Fluorene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
4-Chlorophenyl phenyl ether	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Diethylphthalate	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
4,6-Dinitro-2-methylphenol	ND	201		µg/Kg-dry	1	9/8/2011 3:44:00 PM
4-Bromophenyl phenyl ether	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Hexachlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Pentachlorophenol	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Phenanthrene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Anthracene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Carbazole	ND	503		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Di-n-butylphthalate	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Fluoranthene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Pyrene	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Butyl Benzylphthalate	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
bis(2-Ethylhexyl)adipate	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Benz (a) anthracene	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Chrysene	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
bis (2-Ethylhexyl) phthalate	ND	101		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Di-n-octyl phthalate	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Benzo (b) fluoranthene	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Benzo (k) fluoranthene	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Benzo (a) pyrene	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Indeno (1,2,3-cd) pyrene	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Dibenz (a,h) anthracene	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Benzo (g,h,i) perylene	ND	80.5		µg/Kg-dry	1	9/8/2011 3:44:00 PM
Surr: 2,4,6-Tribromophenol	31.0	40-140	S	%REC	1	9/8/2011 3:44:00 PM
Surr: 2-Fluorobiphenyl	61.2	50-130		%REC	1	9/8/2011 3:44:00 PM
Surr: 2-Fluorophenol	82.9	40-140		%REC	1	9/8/2011 3:44:00 PM
Surr: Nitrobenzene-d5	71.4	50-130		%REC	1	9/8/2011 3:44:00 PM
Surr: Phenol-d6	82.5	50-140		%REC	1	9/8/2011 3:44:00 PM
Surr: p-Terphenyl	79.6	40-130		%REC	1	9/8/2011 3:44:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1109007-001

**Matrix:** Soil

**Client Sample ID:** HS-03-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1761

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0769		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Chloromethane	ND	0.0769		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Vinyl chloride	ND	0.00256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Bromomethane	ND	0.115		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0641		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Chloroethane	ND	0.0769		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,1-Dichloroethene	ND	0.0641		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Methylene chloride	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
trans-1,2-Dichloroethene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,1-Dichloroethane	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
2,2-Dichloropropane	ND	0.0641		mg/Kg-dry	1	9/7/2011 12:03:00 PM
cis-1,2-Dichloroethene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Chloroform	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Trichloroethane (TCA)	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,1-Dichloropropene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Carbon tetrachloride	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2-Dichloroethane	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Benzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Trichloroethene (TCE)	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2-Dichloropropane	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Bromodichloromethane	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Dibromomethane	ND	0.0513		mg/Kg-dry	1	9/7/2011 12:03:00 PM
cis-1,3-Dichloropropene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Toluene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
trans-1,3-Dichloropropylene	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,1,2-Trichloroethane	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,3-Dichloropropane	ND	0.0641		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Tetrachloroethene (PCE)	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Dibromochloromethane	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2-Dibromoethane (EDB)	ND	0.00641		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Chlorobenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Ethylbenzene	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
m,p-Xylene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
o-Xylene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/1/2011 1:50:00 PM

**Project:** Hytec

**Lab ID:** 1109007-001

**Matrix:** Soil

**Client Sample ID:** HS-03-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1761

Analyst: PH

Styrene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Isopropylbenzene	ND	0.103		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Bromoform	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
n-Propylbenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Bromobenzene	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,3,5-Trimethylbenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
2-Chlorotoluene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
4-Chlorotoluene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
tert-Butylbenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2,3-Trichloropropane	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2,4-Trichlorobenzene	ND	0.0641		mg/Kg-dry	1	9/7/2011 12:03:00 PM
sec-Butylbenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
4-Isopropyltoluene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,3-Dichlorobenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,4-Dichlorobenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
n-Butylbenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2-Dichlorobenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2,4-Trimethylbenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Hexachloro-1,3-butadiene	ND	0.128		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Naphthalene	ND	0.0385		mg/Kg-dry	1	9/7/2011 12:03:00 PM
1,2,3-Trichlorobenzene	ND	0.0256		mg/Kg-dry	1	9/7/2011 12:03:00 PM
Surr: 1-Bromo-4-fluorobenzene	90.7	72-135		%REC	1	9/7/2011 12:03:00 PM
Surr: Dibromofluoromethane	105	75.1-135		%REC	1	9/7/2011 12:03:00 PM
Surr: Toluene-d8	104	76.5-134		%REC	1	9/7/2011 12:03:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1066

Analyst: BR

Cadmium	0.259	0.154		mg/Kg-dry	1	9/6/2011 11:23:47 AM
Lead	3.02	0.154		mg/Kg-dry	1	9/6/2011 11:23:47 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 1:55:00 PM

**Project:** Hytec

**Lab ID:** 1109007-002

**Matrix:** Soil

**Client Sample ID:** HS-04-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

Phenol	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Bis(2-chloroethyl) ether	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Benzyl alcohol	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Nitrobenzene	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Isophorone	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
4-Methylphenol	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2-Nitrophenol	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2,4-Dichlorophenol	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Naphthalene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
4-Chloroaniline	ND	509		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
4-Chloro-3-methylphenol	ND	509		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2,4,6-Trichlorophenol	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2,4,5-Trichlorophenol	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2-Nitroaniline	ND	509		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Acenaphthene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Dimethylphthalate	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Acenaphthylene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
2,4-Dinitrophenol	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Dibenzofuran	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/1/2011 1:55:00 PM

**Project:** Hytec

**Lab ID:** 1109007-002

**Matrix:** Soil

**Client Sample ID:** HS-04-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
4-Nitrophenol	ND	509		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Fluorene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Diethylphthalate	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
4,6-Dinitro-2-methylphenol	ND	204		µg/Kg-dry	1	9/8/2011 4:06:00 PM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Pentachlorophenol	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Phenanthrene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Anthracene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Carbazole	ND	509		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Di-n-butylphthalate	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Fluoranthene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Pyrene	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Benz (a) anthracene	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Chrysene	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
bis (2-Ethylhexyl) phthalate	ND	102		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Di-n-octyl phthalate	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Benzo (b) fluoranthene	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Benzo (k) fluoranthene	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Benzo (a) pyrene	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Indeno (1,2,3-cd) pyrene	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Dibenz (a,h) anthracene	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Benzo (g,h,i) perylene	ND	81.5		µg/Kg-dry	1	9/8/2011 4:06:00 PM
Surr: 2,4,6-Tribromophenol	40.7	40-140		%REC	1	9/8/2011 4:06:00 PM
Surr: 2-Fluorobiphenyl	50.2	50-130		%REC	1	9/8/2011 4:06:00 PM
Surr: 2-Fluorophenol	63.1	40-140		%REC	1	9/8/2011 4:06:00 PM
Surr: Nitrobenzene-d5	57.2	50-130		%REC	1	9/8/2011 4:06:00 PM
Surr: Phenol-d6	61.9	50-140		%REC	1	9/8/2011 4:06:00 PM
Surr: p-Terphenyl	61.5	40-130		%REC	1	9/8/2011 4:06:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 1:55:00 PM

**Project:** Hytec

**Lab ID:** 1109007-002

**Matrix:** Soil

**Client Sample ID:** HS-04-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1048

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0833		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Chloromethane	ND	0.0833		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Vinyl chloride	ND	0.00278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Bromomethane	ND	0.125		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0694		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Chloroethane	ND	0.0833		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,1-Dichloroethene	ND	0.0694		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Methylene chloride	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
trans-1,2-Dichloroethene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,1-Dichloroethane	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
2,2-Dichloropropane	ND	0.0694		mg/Kg-dry	1	9/6/2011 6:19:00 PM
cis-1,2-Dichloroethene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Chloroform	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Trichloroethane (TCA)	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,1-Dichloropropene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Carbon tetrachloride	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2-Dichloroethane	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Benzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Trichloroethene (TCE)	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2-Dichloropropane	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Bromodichloromethane	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Dibromomethane	ND	0.0556		mg/Kg-dry	1	9/6/2011 6:19:00 PM
cis-1,3-Dichloropropene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Toluene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
trans-1,3-Dichloropropylene	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,1,2-Trichloroethane	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,3-Dichloropropane	ND	0.0694		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Tetrachloroethene (PCE)	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Dibromochloromethane	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2-Dibromoethane (EDB)	ND	0.00694		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Chlorobenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Ethylbenzene	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
m,p-Xylene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
o-Xylene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/1/2011 1:55:00 PM

**Project:** Hytec

**Lab ID:** 1109007-002

**Matrix:** Soil

**Client Sample ID:** HS-04-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1048

Analyst: PH

Styrene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Isopropylbenzene	ND	0.111		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Bromoform	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
n-Propylbenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Bromobenzene	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,3,5-Trimethylbenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
2-Chlorotoluene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
4-Chlorotoluene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
tert-Butylbenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2,3-Trichloropropane	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2,4-Trichlorobenzene	ND	0.0694		mg/Kg-dry	1	9/6/2011 6:19:00 PM
sec-Butylbenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
4-Isopropyltoluene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,3-Dichlorobenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,4-Dichlorobenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
n-Butylbenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2-Dichlorobenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2,4-Trimethylbenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Hexachloro-1,3-butadiene	ND	0.139		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Naphthalene	ND	0.0417		mg/Kg-dry	1	9/6/2011 6:19:00 PM
1,2,3-Trichlorobenzene	ND	0.0278		mg/Kg-dry	1	9/6/2011 6:19:00 PM
Surr: 1-Bromo-4-fluorobenzene	92.7	72-135		%REC	1	9/6/2011 6:19:00 PM
Surr: Dibromofluoromethane	102	75.1-135		%REC	1	9/6/2011 6:19:00 PM
Surr: Toluene-d8	110	76.5-134		%REC	1	9/6/2011 6:19:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1066

Analyst: BR

Cadmium	0.239	0.167		mg/Kg-dry	1	9/6/2011 11:30:24 AM
Lead	1.62	0.167		mg/Kg-dry	1	9/6/2011 11:30:24 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:00:00 PM

**Project:** Hytec

**Lab ID:** 1109007-003

**Matrix:** Soil

**Client Sample ID:** HS-05-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

Phenol	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Bis(2-chloroethyl) ether	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2-Chlorophenol	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
1,3-Dichlorobenzene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
1,4-Dichlorobenzene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
1,2-Dichlorobenzene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Benzyl alcohol	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2-Methylphenol (o-cresol)	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Hexachloroethane	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
N-Nitrosodi-n-propylamine	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Nitrobenzene	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Isophorone	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
4-Methylphenol	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2-Nitrophenol	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2,4-Dimethylphenol	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Bis(2-chloroethoxy)methane	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2,4-Dichlorophenol	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
1,2,4-Trichlorobenzene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Naphthalene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
4-Chloroaniline	ND	498		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Hexachlorobutadiene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
4-Chloro-3-methylphenol	ND	498		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2-Methylnaphthalene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
1-Methylnaphthalene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Hexachlorocyclopentadiene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2,4,6-Trichlorophenol	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2,4,5-Trichlorophenol	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2-Chloronaphthalene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2-Nitroaniline	ND	498		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Acenaphthene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Dimethylphthalate	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2,6-Dinitrotoluene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Acenaphthylene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
2,4-Dinitrophenol	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Dibenzofuran	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:00:00 PM

**Project:** Hytec

**Lab ID:** 1109007-003

**Matrix:** Soil

**Client Sample ID:** HS-05-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

2,4-Dinitrotoluene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
4-Nitrophenol	ND	498		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Fluorene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
4-Chlorophenyl phenyl ether	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Diethylphthalate	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
4,6-Dinitro-2-methylphenol	ND	199		µg/Kg-dry	1	9/8/2011 4:29:00 PM
4-Bromophenyl phenyl ether	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Hexachlorobenzene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Pentachlorophenol	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Phenanthrene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Anthracene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Carbazole	ND	498		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Di-n-butylphthalate	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Fluoranthene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Pyrene	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Butyl Benzylphthalate	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
bis(2-Ethylhexyl)adipate	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Benz (a) anthracene	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Chrysene	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
bis (2-Ethylhexyl) phthalate	ND	99.6		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Di-n-octyl phthalate	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Benzo (b) fluoranthene	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Benzo (k) fluoranthene	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Benzo (a) pyrene	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Indeno (1,2,3-cd) pyrene	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Dibenz (a,h) anthracene	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Benzo (g,h,i) perylene	ND	79.7		µg/Kg-dry	1	9/8/2011 4:29:00 PM
Surr: 2,4,6-Tribromophenol	43.9	40-140		%REC	1	9/8/2011 4:29:00 PM
Surr: 2-Fluorobiphenyl	79.9	50-130		%REC	1	9/8/2011 4:29:00 PM
Surr: 2-Fluorophenol	86.8	40-140		%REC	1	9/8/2011 4:29:00 PM
Surr: Nitrobenzene-d5	99.0	50-130		%REC	1	9/8/2011 4:29:00 PM
Surr: Phenol-d6	96.4	50-140		%REC	1	9/8/2011 4:29:00 PM
Surr: p-Terphenyl	61.1	40-130		%REC	1	9/8/2011 4:29:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:00:00 PM

**Project:** Hytec

**Lab ID:** 1109007-003

**Matrix:** Soil

**Client Sample ID:** HS-05-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1048

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0807		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Chloromethane	ND	0.0807		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Vinyl chloride	ND	0.00269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Bromomethane	ND	0.121		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0672		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Chloroethane	ND	0.0807		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,1-Dichloroethene	ND	0.0672		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Methylene chloride	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
trans-1,2-Dichloroethene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,1-Dichloroethane	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
2,2-Dichloropropane	ND	0.0672		mg/Kg-dry	1	9/6/2011 6:42:00 PM
cis-1,2-Dichloroethene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Chloroform	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Trichloroethane (TCA)	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,1-Dichloropropene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Carbon tetrachloride	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2-Dichloroethane	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Benzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Trichloroethene (TCE)	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2-Dichloropropane	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Bromodichloromethane	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Dibromomethane	ND	0.0538		mg/Kg-dry	1	9/6/2011 6:42:00 PM
cis-1,3-Dichloropropene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Toluene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
trans-1,3-Dichloropropylene	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,1,2-Trichloroethane	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,3-Dichloropropane	ND	0.0672		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Tetrachloroethene (PCE)	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Dibromochloromethane	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2-Dibromoethane (EDB)	ND	0.00672		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Chlorobenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Ethylbenzene	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
m,p-Xylene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
o-Xylene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:00:00 PM

**Project:** Hytec

**Lab ID:** 1109007-003

**Matrix:** Soil

**Client Sample ID:** HS-05-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1048

Analyst: PH

Styrene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Isopropylbenzene	ND	0.108		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Bromoform	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
n-Propylbenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Bromobenzene	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,3,5-Trimethylbenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
2-Chlorotoluene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
4-Chlorotoluene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
tert-Butylbenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2,3-Trichloropropane	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2,4-Trichlorobenzene	ND	0.0672		mg/Kg-dry	1	9/6/2011 6:42:00 PM
sec-Butylbenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
4-Isopropyltoluene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,3-Dichlorobenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,4-Dichlorobenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
n-Butylbenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2-Dichlorobenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2,4-Trimethylbenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Hexachloro-1,3-butadiene	ND	0.134		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Naphthalene	ND	0.0403		mg/Kg-dry	1	9/6/2011 6:42:00 PM
1,2,3-Trichlorobenzene	ND	0.0269		mg/Kg-dry	1	9/6/2011 6:42:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.7	72-135		%REC	1	9/6/2011 6:42:00 PM
Surr: Dibromofluoromethane	103	75.1-135		%REC	1	9/6/2011 6:42:00 PM
Surr: Toluene-d8	103	76.5-134		%REC	1	9/6/2011 6:42:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1066

Analyst: BR

Cadmium	ND	0.171		mg/Kg-dry	1	9/6/2011 11:37:01 AM
Lead	1.93	0.171		mg/Kg-dry	1	9/6/2011 11:37:01 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:05:00 PM

**Project:** Hytec

**Lab ID:** 1109007-004

**Matrix:** Soil

**Client Sample ID:** HS-06-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

Phenol	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Bis(2-chloroethyl) ether	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2-Chlorophenol	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
1,3-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
1,4-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
1,2-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Benzyl alcohol	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2-Methylphenol (o-cresol)	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Hexachloroethane	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
N-Nitrosodi-n-propylamine	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Nitrobenzene	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Isophorone	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
4-Methylphenol	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2-Nitrophenol	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2,4-Dimethylphenol	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Bis(2-chloroethoxy)methane	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2,4-Dichlorophenol	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
1,2,4-Trichlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Naphthalene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
4-Chloroaniline	ND	504		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Hexachlorobutadiene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
4-Chloro-3-methylphenol	ND	504		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2-Methylnaphthalene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
1-Methylnaphthalene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Hexachlorocyclopentadiene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2,4,6-Trichlorophenol	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2,4,5-Trichlorophenol	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2-Chloronaphthalene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2-Nitroaniline	ND	504		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Acenaphthene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Dimethylphthalate	157	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2,6-Dinitrotoluene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Acenaphthylene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
2,4-Dinitrophenol	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Dibenzofuran	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:05:00 PM

**Project:** Hytec

**Lab ID:** 1109007-004

**Matrix:** Soil

**Client Sample ID:** HS-06-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

2,4-Dinitrotoluene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
4-Nitrophenol	ND	504		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Fluorene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
4-Chlorophenyl phenyl ether	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Diethylphthalate	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
4,6-Dinitro-2-methylphenol	ND	202		µg/Kg-dry	1	9/8/2011 4:51:00 PM
4-Bromophenyl phenyl ether	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Hexachlorobenzene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Pentachlorophenol	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Phenanthrene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Anthracene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Carbazole	ND	504		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Di-n-butylphthalate	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Fluoranthene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Pyrene	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Butyl Benzylphthalate	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
bis(2-Ethylhexyl)adipate	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Benz (a) anthracene	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Chrysene	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
bis (2-Ethylhexyl) phthalate	ND	101		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Di-n-octyl phthalate	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Benzo (b) fluoranthene	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Benzo (k) fluoranthene	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Benzo (a) pyrene	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Indeno (1,2,3-cd) pyrene	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Dibenz (a,h) anthracene	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Benzo (g,h,i) perylene	ND	80.7		µg/Kg-dry	1	9/8/2011 4:51:00 PM
Surr: 2,4,6-Tribromophenol	20.2	40-140	S	%REC	1	9/8/2011 4:51:00 PM
Surr: 2-Fluorobiphenyl	57.2	50-130		%REC	1	9/8/2011 4:51:00 PM
Surr: 2-Fluorophenol	89.1	40-140		%REC	1	9/8/2011 4:51:00 PM
Surr: Nitrobenzene-d5	92.8	50-130		%REC	1	9/8/2011 4:51:00 PM
Surr: Phenol-d6	84.6	50-140		%REC	1	9/8/2011 4:51:00 PM
Surr: p-Terphenyl	39.3	40-130	S	%REC	1	9/8/2011 4:51:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:05:00 PM

**Project:** Hytec

**Lab ID:** 1109007-004

**Matrix:** Soil

**Client Sample ID:** HS-06-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1761

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0682		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Chloromethane	ND	0.0682		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Vinyl chloride	ND	0.00227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Bromomethane	ND	0.102		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0569		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Chloroethane	ND	0.0682		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,1-Dichloroethene	ND	0.0569		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Methylene chloride	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
trans-1,2-Dichloroethene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,1-Dichloroethane	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
2,2-Dichloropropane	ND	0.0569		mg/Kg-dry	1	9/7/2011 12:26:00 PM
cis-1,2-Dichloroethene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Chloroform	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Trichloroethane (TCA)	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,1-Dichloropropene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Carbon tetrachloride	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2-Dichloroethane	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Benzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Trichloroethene (TCE)	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2-Dichloropropane	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Bromodichloromethane	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Dibromomethane	ND	0.0455		mg/Kg-dry	1	9/7/2011 12:26:00 PM
cis-1,3-Dichloropropene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Toluene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
trans-1,3-Dichloropropylene	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,1,2-Trichloroethane	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,3-Dichloropropane	ND	0.0569		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Tetrachloroethene (PCE)	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Dibromochloromethane	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2-Dibromoethane (EDB)	ND	0.00569		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Chlorobenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Ethylbenzene	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
m,p-Xylene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
o-Xylene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/1/2011 2:05:00 PM

**Project:** Hytec

**Lab ID:** 1109007-004

**Matrix:** Soil

**Client Sample ID:** HS-06-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1761

Analyst: PH

Styrene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Isopropylbenzene	ND	0.0910		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Bromoform	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
n-Propylbenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Bromobenzene	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,3,5-Trimethylbenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
2-Chlorotoluene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
4-Chlorotoluene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
tert-Butylbenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2,3-Trichloropropane	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2,4-Trichlorobenzene	ND	0.0569		mg/Kg-dry	1	9/7/2011 12:26:00 PM
sec-Butylbenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
4-Isopropyltoluene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,3-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,4-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
n-Butylbenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2-Dichlorobenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2,4-Trimethylbenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Hexachloro-1,3-butadiene	ND	0.114		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Naphthalene	ND	0.0341		mg/Kg-dry	1	9/7/2011 12:26:00 PM
1,2,3-Trichlorobenzene	ND	0.0227		mg/Kg-dry	1	9/7/2011 12:26:00 PM
Surr: 1-Bromo-4-fluorobenzene	105	72-135		%REC	1	9/7/2011 12:26:00 PM
Surr: Dibromofluoromethane	108	75.1-135		%REC	1	9/7/2011 12:26:00 PM
Surr: Toluene-d8	108	76.5-134		%REC	1	9/7/2011 12:26:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1066

Analyst: BR

Cadmium	0.181	0.162		mg/Kg-dry	1	9/6/2011 11:50:16 AM
Lead	1.87	0.162		mg/Kg-dry	1	9/6/2011 11:50:16 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/1/2011 2:10:00 PM

**Project:** Hytec

**Lab ID:** 1109007-005

**Matrix:** Soil

**Client Sample ID:** HS-07-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

Phenol	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Bis(2-chloroethyl) ether	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2-Chlorophenol	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
1,3-Dichlorobenzene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
1,4-Dichlorobenzene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
1,2-Dichlorobenzene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Benzyl alcohol	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2-Methylphenol (o-cresol)	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Hexachloroethane	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
N-Nitrosodi-n-propylamine	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Nitrobenzene	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Isophorone	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
4-Methylphenol	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2-Nitrophenol	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2,4-Dimethylphenol	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Bis(2-chloroethoxy)methane	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2,4-Dichlorophenol	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
1,2,4-Trichlorobenzene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Naphthalene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
4-Chloroaniline	ND	495		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Hexachlorobutadiene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
4-Chloro-3-methylphenol	ND	495		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2-Methylnaphthalene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
1-Methylnaphthalene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Hexachlorocyclopentadiene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2,4,6-Trichlorophenol	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2,4,5-Trichlorophenol	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2-Chloronaphthalene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2-Nitroaniline	ND	495		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Acenaphthene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Dimethylphthalate	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2,6-Dinitrotoluene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Acenaphthylene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
2,4-Dinitrophenol	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Dibenzofuran	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:10:00 PM

**Project:** Hytec

**Lab ID:** 1109007-005

**Matrix:** Soil

**Client Sample ID:** HS-07-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

2,4-Dinitrotoluene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
4-Nitrophenol	ND	495		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Fluorene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
4-Chlorophenyl phenyl ether	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Diethylphthalate	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
4,6-Dinitro-2-methylphenol	ND	198		µg/Kg-dry	1	9/8/2011 5:13:00 PM
4-Bromophenyl phenyl ether	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Hexachlorobenzene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Pentachlorophenol	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Phenanthrene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Anthracene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Carbazole	ND	495		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Di-n-butylphthalate	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Fluoranthene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Pyrene	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Butyl Benzylphthalate	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
bis(2-Ethylhexyl)adipate	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Benz (a) anthracene	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Chrysene	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
bis (2-Ethylhexyl) phthalate	ND	98.9		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Di-n-octyl phthalate	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Benzo (b) fluoranthene	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Benzo (k) fluoranthene	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Benzo (a) pyrene	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Indeno (1,2,3-cd) pyrene	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Dibenz (a,h) anthracene	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Benzo (g,h,i) perylene	ND	79.2		µg/Kg-dry	1	9/8/2011 5:13:00 PM
Surr: 2,4,6-Tribromophenol	49.6	40-140		%REC	1	9/8/2011 5:13:00 PM
Surr: 2-Fluorobiphenyl	50.8	50-130		%REC	1	9/8/2011 5:13:00 PM
Surr: 2-Fluorophenol	71.7	40-140		%REC	1	9/8/2011 5:13:00 PM
Surr: Nitrobenzene-d5	75.8	50-130		%REC	1	9/8/2011 5:13:00 PM
Surr: Phenol-d6	73.7	50-140		%REC	1	9/8/2011 5:13:00 PM
Surr: p-Terphenyl	79.3	40-130		%REC	1	9/8/2011 5:13:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:10:00 PM

**Project:** Hytec

**Lab ID:** 1109007-005

**Matrix:** Soil

**Client Sample ID:** HS-07-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1761

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0608		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Chloromethane	ND	0.0608		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Vinyl chloride	ND	0.00203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Bromomethane	ND	0.0912		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0507		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Chloroethane	ND	0.0608		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,1-Dichloroethene	ND	0.0507		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Methylene chloride	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
trans-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,1-Dichloroethane	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
2,2-Dichloropropane	ND	0.0507		mg/Kg-dry	1	9/7/2011 1:11:00 PM
cis-1,2-Dichloroethene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Chloroform	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Trichloroethane (TCA)	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,1-Dichloropropene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Carbon tetrachloride	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2-Dichloroethane	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Benzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Trichloroethene (TCE)	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2-Dichloropropane	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Bromodichloromethane	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Dibromomethane	ND	0.0405		mg/Kg-dry	1	9/7/2011 1:11:00 PM
cis-1,3-Dichloropropene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Toluene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
trans-1,3-Dichloropropylene	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,1,2-Trichloroethane	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,3-Dichloropropane	ND	0.0507		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Tetrachloroethene (PCE)	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Dibromochloromethane	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2-Dibromoethane (EDB)	ND	0.00507		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Chlorobenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Ethylbenzene	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
m,p-Xylene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
o-Xylene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/1/2011 2:10:00 PM

**Project:** Hytec

**Lab ID:** 1109007-005

**Matrix:** Soil

**Client Sample ID:** HS-07-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1761

Analyst: PH

Styrene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Isopropylbenzene	ND	0.0811		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Bromoform	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
n-Propylbenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Bromobenzene	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,3,5-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
2-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
4-Chlorotoluene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
tert-Butylbenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2,3-Trichloropropane	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2,4-Trichlorobenzene	ND	0.0507		mg/Kg-dry	1	9/7/2011 1:11:00 PM
sec-Butylbenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
4-Isopropyltoluene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,3-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,4-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
n-Butylbenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2-Dichlorobenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2,4-Trimethylbenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Hexachloro-1,3-butadiene	ND	0.101		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Naphthalene	ND	0.0304		mg/Kg-dry	1	9/7/2011 1:11:00 PM
1,2,3-Trichlorobenzene	ND	0.0203		mg/Kg-dry	1	9/7/2011 1:11:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	72-135		%REC	1	9/7/2011 1:11:00 PM
Surr: Dibromofluoromethane	103	75.1-135		%REC	1	9/7/2011 1:11:00 PM
Surr: Toluene-d8	107	76.5-134		%REC	1	9/7/2011 1:11:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1066

Analyst: BR

Cadmium	ND	0.165		mg/Kg-dry	1	9/6/2011 11:56:54 AM
Lead	2.39	0.165		mg/Kg-dry	1	9/6/2011 11:56:54 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:15:00 PM

**Project:** Hytec

**Lab ID:** 1109007-006

**Matrix:** Soil

**Client Sample ID:** HS-08-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

Phenol	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Bis(2-chloroethyl) ether	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2-Chlorophenol	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
1,3-Dichlorobenzene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
1,4-Dichlorobenzene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
1,2-Dichlorobenzene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Benzyl alcohol	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2-Methylphenol (o-cresol)	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Hexachloroethane	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
N-Nitrosodi-n-propylamine	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Nitrobenzene	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Isophorone	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
4-Methylphenol	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2-Nitrophenol	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2,4-Dimethylphenol	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Bis(2-chloroethoxy)methane	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2,4-Dichlorophenol	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
1,2,4-Trichlorobenzene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Naphthalene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
4-Chloroaniline	ND	546		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Hexachlorobutadiene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
4-Chloro-3-methylphenol	ND	546		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2-Methylnaphthalene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
1-Methylnaphthalene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Hexachlorocyclopentadiene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2,4,6-Trichlorophenol	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2,4,5-Trichlorophenol	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2-Chloronaphthalene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2-Nitroaniline	ND	546		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Acenaphthene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Dimethylphthalate	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2,6-Dinitrotoluene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Acenaphthylene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
2,4-Dinitrophenol	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Dibenzofuran	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/1/2011 2:15:00 PM

**Project:** Hytec

**Lab ID:** 1109007-006

**Matrix:** Soil

**Client Sample ID:** HS-08-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1071

Analyst: SG

2,4-Dinitrotoluene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
4-Nitrophenol	ND	546		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Fluorene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
4-Chlorophenyl phenyl ether	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Diethylphthalate	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
4,6-Dinitro-2-methylphenol	ND	218		µg/Kg-dry	1	9/8/2011 5:36:00 PM
4-Bromophenyl phenyl ether	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Hexachlorobenzene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Pentachlorophenol	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Phenanthrene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Anthracene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Carbazole	ND	546		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Di-n-butylphthalate	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Fluoranthene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Pyrene	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Butyl Benzylphthalate	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
bis(2-Ethylhexyl)adipate	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Benz (a) anthracene	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Chrysene	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
bis (2-Ethylhexyl) phthalate	ND	109		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Di-n-octyl phthalate	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Benzo (b) fluoranthene	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Benzo (k) fluoranthene	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Benzo (a) pyrene	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Indeno (1,2,3-cd) pyrene	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Dibenz (a,h) anthracene	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Benzo (g,h,i) perylene	ND	87.3		µg/Kg-dry	1	9/8/2011 5:36:00 PM
Surr: 2,4,6-Tribromophenol	46.1	40-140		%REC	1	9/8/2011 5:36:00 PM
Surr: 2-Fluorobiphenyl	95.9	50-130		%REC	1	9/8/2011 5:36:00 PM
Surr: 2-Fluorophenol	94.1	40-140		%REC	1	9/8/2011 5:36:00 PM
Surr: Nitrobenzene-d5	99.2	50-130		%REC	1	9/8/2011 5:36:00 PM
Surr: Phenol-d6	111	50-140		%REC	1	9/8/2011 5:36:00 PM
Surr: p-Terphenyl	62.1	40-130		%REC	1	9/8/2011 5:36:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109007

Date Reported: 9/14/2011

**Client:** Calibre

**Collection Date:** 9/1/2011 2:15:00 PM

**Project:** Hytec

**Lab ID:** 1109007-006

**Matrix:** Soil

**Client Sample ID:** HS-08-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1761

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0757		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Chloromethane	ND	0.0757		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Vinyl chloride	ND	0.00252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Bromomethane	ND	0.114		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0631		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Chloroethane	ND	0.0757		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,1-Dichloroethene	ND	0.0631		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Methylene chloride	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
trans-1,2-Dichloroethene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,1-Dichloroethane	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
2,2-Dichloropropane	ND	0.0631		mg/Kg-dry	1	9/7/2011 1:34:00 PM
cis-1,2-Dichloroethene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Chloroform	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Trichloroethane (TCA)	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,1-Dichloropropene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Carbon tetrachloride	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2-Dichloroethane	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Benzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Trichloroethene (TCE)	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2-Dichloropropane	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Bromodichloromethane	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Dibromomethane	ND	0.0505		mg/Kg-dry	1	9/7/2011 1:34:00 PM
cis-1,3-Dichloropropene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Toluene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
trans-1,3-Dichloropropylene	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,1,2-Trichloroethane	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,3-Dichloropropane	ND	0.0631		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Tetrachloroethene (PCE)	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Dibromochloromethane	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2-Dibromoethane (EDB)	ND	0.00631		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Chlorobenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Ethylbenzene	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
m,p-Xylene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
o-Xylene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/1/2011 2:15:00 PM

**Project:** Hytec

**Lab ID:** 1109007-006

**Matrix:** Soil

**Client Sample ID:** HS-08-090111

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1761

Analyst: PH

Styrene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Isopropylbenzene	ND	0.101		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Bromoform	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
n-Propylbenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Bromobenzene	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,3,5-Trimethylbenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
2-Chlorotoluene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
4-Chlorotoluene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
tert-Butylbenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2,3-Trichloropropane	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2,4-Trichlorobenzene	ND	0.0631		mg/Kg-dry	1	9/7/2011 1:34:00 PM
sec-Butylbenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
4-Isopropyltoluene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,3-Dichlorobenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,4-Dichlorobenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
n-Butylbenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2-Dichlorobenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2,4-Trimethylbenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Hexachloro-1,3-butadiene	ND	0.126		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Naphthalene	ND	0.0379		mg/Kg-dry	1	9/7/2011 1:34:00 PM
1,2,3-Trichlorobenzene	ND	0.0252		mg/Kg-dry	1	9/7/2011 1:34:00 PM
Surr: 1-Bromo-4-fluorobenzene	87.3	72-135		%REC	1	9/7/2011 1:34:00 PM
Surr: Dibromofluoromethane	97.5	75.1-135		%REC	1	9/7/2011 1:34:00 PM
Surr: Toluene-d8	98.0	76.5-134		%REC	1	9/7/2011 1:34:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1066

Analyst: BR

Cadmium	0.287	0.166		mg/Kg-dry	1	9/6/2011 12:03:31 PM
Lead	4.53	0.166		mg/Kg-dry	1	9/6/2011 12:03:31 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Total Metals by EPA Method 6020

Sample ID: <b>MB-1066</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/2/2011</b>	RunNo: <b>1740</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>1066</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31526</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.200									
Lead	ND	0.200									

Sample ID: <b>LCS-1066</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/2/2011</b>	RunNo: <b>1740</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1066</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31527</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.35	0.200	2.500	0	94.0	80	120				
Lead	21.6	0.200	25.00	0	86.5	80	120				

Sample ID: <b>1109006-001ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>9/2/2011</b>	RunNo: <b>1740</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>1066</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31529</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.170						0	0	30	
Lead	8.82	0.170						8.491	3.75	30	

Sample ID: <b>1109006-001AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>9/2/2011</b>	RunNo: <b>1740</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>1066</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31530</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.20	0.169	2.108	0.1131	99.1	75	125				
Lead	30.8	0.169	21.08	8.491	106	75	125				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				



Work Order: 1109007

CLIENT: Calibre

Project: Hytec

**QC SUMMARY REPORT**

**Total Metals by EPA Method 6020**

Sample ID: <b>1109006-001AMSD</b>	SampType: <b>MSD</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>9/2/2011</b>	RunNo: <b>1740</b>
Client ID: <b>BATCH</b>	Batch ID: <b>1066</b>	Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31531</b>	

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.36	0.175	2.189	0.1131	103	75	125	2.203	6.93	30	
Lead	33.0	0.175	21.89	8.491	112	75	125	30.81	6.73	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1109007-006ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 9/6/2011	RunNo: 1776							
Client ID: HS-08-090111	Batch ID: 1071		Analysis Date: 9/8/2011	SeqNo: 32067							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	218						0	0	30	
Bis(2-chloroethyl) ether	ND	218						0	0	30	
2-Chlorophenol	ND	109						0	0	30	
1,3-Dichlorobenzene	ND	109						0	0	30	
1,4-Dichlorobenzene	ND	109						0	0	30	
1,2-Dichlorobenzene	ND	109						0	0	30	
Benzyl alcohol	ND	109						0	0	30	
2-Methylphenol (o-cresol)	ND	109						0	0	30	
Hexachloroethane	ND	109						0	0	30	
N-Nitrosodi-n-propylamine	ND	109						0	0	30	
Nitrobenzene	ND	218						0	0	30	
Isophorone	ND	109						0	0	30	
4-Methylphenol	ND	109						0	0	30	
2-Nitrophenol	ND	218						0	0	30	
2,4-Dimethylphenol	ND	109						0	0	30	
Bis(2-chloroethoxy)methane	ND	109						0	0	30	
2,4-Dichlorophenol	ND	218						0	0	30	
1,2,4-Trichlorobenzene	ND	109						0	0	30	
Naphthalene	ND	109						0	0	30	
4-Chloroaniline	ND	545						0	0	30	
Hexachlorobutadiene	ND	109						0	0	30	
4-Chloro-3-methylphenol	ND	545						0	0	30	
2-Methylnaphthalene	ND	109						0	0	30	
1-Methylnaphthalene	ND	109						0	0	30	
Hexachlorocyclopentadiene	ND	109						0	0	30	
2,4,6-Trichlorophenol	ND	218						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1109007-006ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 9/6/2011	RunNo: 1776							
Client ID: HS-08-090111	Batch ID: 1071		Analysis Date: 9/8/2011	SeqNo: 32067							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	218						0	0	30	
2-Chloronaphthalene	ND	109						0	0	30	
2-Nitroaniline	ND	545						0	0	30	
Acenaphthene	ND	109						0	0	30	
Dimethylphthalate	ND	109						0	0	30	
2,6-Dinitrotoluene	ND	109						0	0	30	
Acenaphthylene	ND	109						0	0	30	
2,4-Dinitrophenol	ND	218						0	0	30	
Dibenzofuran	ND	109						0	0	30	
2,4-Dinitrotoluene	ND	109						0	0	30	
4-Nitrophenol	ND	545						0	0	30	
Fluorene	ND	109						0	0	30	
4-Chlorophenyl phenyl ether	ND	109						0	0	30	
Diethylphthalate	ND	109						0	0	30	
4,6-Dinitro-2-methylphenol	ND	218						0	0	30	
4-Bromophenyl phenyl ether	ND	109						0	0	30	
Hexachlorobenzene	ND	109						0	0	30	
Pentachlorophenol	ND	109						0	0	30	
Phenanthrene	ND	109						0	0	30	
Anthracene	ND	109						0	0	30	
Carbazole	ND	545						0	0	30	
Di-n-butylphthalate	ND	109						0	0	30	
Fluoranthene	ND	109						0	0	30	
Pyrene	ND	109						0	0	30	
Butyl Benzylphthalate	ND	109						0	0	30	
bis(2-Ethylhexyl)adipate	ND	109						0	0	30	

Qualifiers: E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1109007-006ADUP		SampType: DUP		Units: µg/Kg-dry		Prep Date: 9/6/2011		RunNo: 1776			
Client ID: HS-08-090111		Batch ID: 1071				Analysis Date: 9/8/2011		SeqNo: 32067			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz (a) anthracene	ND	87.2						0	0	30	
Chrysene	ND	87.2						0	0	30	
bis (2-Ethylhexyl) phthalate	ND	109						0	0	30	
Di-n-octyl phthalate	ND	87.2						0	0	30	
Benzo (b) fluoranthene	ND	87.2						0	0	30	
Benzo (k) fluoranthene	ND	87.2						0	0	30	
Benzo (a) pyrene	ND	87.2						0	0	30	
Indeno (1,2,3-cd) pyrene	ND	87.2						0	0	30	
Dibenz (a,h) anthracene	ND	87.2						0	0	30	
Benzo (g,h,i) perylene	ND	87.2						0	0	30	
Surr: 2,4,6-Tribromophenol	1,140		1,090		104	40	140		0		
Surr: 2-Fluorobiphenyl	617		545.1		113	50	130		0		
Surr: 2-Fluorophenol	1,010		1,090		92.5	40	140		0		
Surr: Nitrobenzene-d5	640		545.1		117	50	130		0		
Surr: Phenol-d6	1,120		1,090		103	50	140		0		
Surr: p-Terphenyl	590		545.1		108	40	130		0		

Sample ID: 1109007-006AMS		SampType: MS		Units: µg/Kg-dry		Prep Date: 9/6/2011		RunNo: 1776			
Client ID: HS-08-090111		Batch ID: 1071				Analysis Date: 9/8/2011		SeqNo: 32068			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,190	217	1,085	0	110	40	140				
2-Chlorophenol	1,120	108	1,085	0	103	40	140				
1,4-Dichlorobenzene	446	108	542.4	0	82.3	50	130				
N-Nitrosodi-n-propylamine	461	108	542.4	0	85.0	50	130				
1,2,4-Trichlorobenzene	366	108	542.4	0	67.5	50	130				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1109007-006AMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/6/2011</b>	RunNo: <b>1776</b>							
Client ID: <b>HS-08-090111</b>	Batch ID: <b>1071</b>		Analysis Date: <b>9/8/2011</b>	SeqNo: <b>32068</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	1,010	542	1,085	0	93.1	40	140				
Acenaphthene	375	108	542.4	0	69.1	50	130				
2,4-Dinitrotoluene	405	108	542.4	0	74.6	50	130				
Pentachlorophenol	570	108	1,085	0	52.5	40	140				
Pyrene	417	108	542.4	0	76.9	50	130				
Surr: 2,4,6-Tribromophenol	612		1,085		56.4	40	140				
Surr: 2-Fluorobiphenyl	520		542.4		95.8	50	130				
Surr: 2-Fluorophenol	1,030		1,085		95.1	40	140				
Surr: Nitrobenzene-d5	469		542.4		86.5	50	130				
Surr: Phenol-d6	1,250		1,085		115	50	140				
Surr: p-Terphenyl	388		542.4		71.5	40	130				

Sample ID: <b>1109007-006AMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/6/2011</b>	RunNo: <b>1776</b>							
Client ID: <b>HS-08-090111</b>	Batch ID: <b>1071</b>		Analysis Date: <b>9/8/2011</b>	SeqNo: <b>32069</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	1,190	218	1,090	0	109	40	140	1,195	0.510	30	
2-Chlorophenol	1,000	109	1,090	0	92.2	40	140	1,121	11.0	30	
1,4-Dichlorobenzene	419	109	544.8	0	76.9	50	130	446.3	6.32	30	
N-Nitrosodi-n-propylamine	376	109	544.8	0	69.0	50	130	460.9	20.3	30	
1,2,4-Trichlorobenzene	286	109	544.8	0	52.5	50	130	366.3	24.6	30	
4-Chloro-3-methylphenol	1,060	545	1,090	0	97.2	40	140	1,010	4.77	30	
Acenaphthene	316	109	544.8	0	58.1	50	130	374.6	16.8	30	
2,4-Dinitrotoluene	392	109	544.8	0	72.0	50	130	404.6	3.14	30	
Pentachlorophenol	277	109	1,090	0	25.4	40	140	570.0	69.1	30	SR
Pyrene	339	109	544.8	0	62.2	50	130	417.3	20.8	30	

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1109007-006AMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/6/2011</b>	RunNo: <b>1776</b>							
Client ID: <b>HS-08-090111</b>	Batch ID: <b>1071</b>		Analysis Date: <b>9/8/2011</b>	SeqNo: <b>32069</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4,6-Tribromophenol	701		1,090		64.3	40	140		0		
Surr: 2-Fluorobiphenyl	514		544.8		94.3	50	130		0		
Surr: 2-Fluorophenol	1,040		1,090		95.7	40	140		0		
Surr: Nitrobenzene-d5	622		544.8		114	50	130		0		
Surr: Phenol-d6	1,260		1,090		115	50	140		0		
Surr: p-Terphenyl	365		544.8		67.0	40	130		0		

Sample ID: <b>LCS-1071</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/6/2011</b>	RunNo: <b>1776</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1071</b>		Analysis Date: <b>9/8/2011</b>	SeqNo: <b>32073</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	903	200	1,000	0	90.3	40	140				
2-Chlorophenol	844	100	1,000	0	84.4	40	140				
1,4-Dichlorobenzene	412	100	500.0	0	82.5	50	130				
N-Nitrosodi-n-propylamine	384	100	500.0	0	76.9	50	130				
1,2,4-Trichlorobenzene	339	100	500.0	0	67.7	50	130				
4-Chloro-3-methylphenol	873	500	1,000	0	87.3	40	140				
Acenaphthene	405	100	500.0	0	81.0	50	130				
2,4-Dinitrotoluene	261	100	500.0	0	52.1	50	130				
Pentachlorophenol	685	100	1,000	0	68.5	40	140				
Pyrene	355	100	500.0	0	71.0	50	130				
Surr: 2,4,6-Tribromophenol	589		1,000		58.9	40	140				
Surr: 2-Fluorobiphenyl	518		500.0		104	50	130				
Surr: 2-Fluorophenol	1,180		1,000		118	40	140				
Surr: Nitrobenzene-d5	541		500.0		108	50	130				
Surr: Phenol-d6	1,220		1,000		122	50	140				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

**Work Order:** 1109007

**CLIENT:** Calibre

**Project:** Hytec

**QC SUMMARY REPORT**
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>LCS-1071</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>				Prep Date: <b>9/6/2011</b>	RunNo: <b>1776</b>				
Client ID: <b>LCSS</b>	Batch ID: <b>1071</b>					Analysis Date: <b>9/8/2011</b>	SeqNo: <b>32073</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: p-Terphenyl	272		500.0		54.4	40	130				
-------------------	-----	--	-------	--	------	----	-----	--	--	--	--

Sample ID: <b>MB-1071</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>				Prep Date: <b>9/6/2011</b>	RunNo: <b>1776</b>				
Client ID: <b>MBLKS</b>	Batch ID: <b>1071</b>					Analysis Date: <b>9/8/2011</b>	SeqNo: <b>32074</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	ND	200
Bis(2-chloroethyl) ether	ND	200
2-Chlorophenol	ND	100
1,3-Dichlorobenzene	ND	100
1,4-Dichlorobenzene	ND	100
1,2-Dichlorobenzene	ND	100
Benzyl alcohol	ND	100
2-Methylphenol (o-cresol)	ND	100
Hexachloroethane	ND	100
N-Nitrosodi-n-propylamine	ND	100
Nitrobenzene	ND	200
Isophorone	ND	100
4-Methylphenol	ND	100
2-Nitrophenol	ND	200
2,4-Dimethylphenol	ND	100
Bis(2-chloroethoxy)methane	ND	100
2,4-Dichlorophenol	ND	200
1,2,4-Trichlorobenzene	ND	100
Naphthalene	ND	100
4-Chloroaniline	ND	500

<b>Qualifiers:</b>	E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not detected at the Reporting Limit	R RPD outside accepted recovery limits	RL Reporting Limit
	S Spike recovery outside accepted recovery limits		



Date: 9/14/2011

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1071</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/6/2011</b>	RunNo: <b>1776</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1071</b>		Analysis Date: <b>9/8/2011</b>	SeqNo: <b>32074</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1071</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/6/2011</b>	RunNo: <b>1776</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1071</b>		Analysis Date: <b>9/8/2011</b>	SeqNo: <b>32074</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									
Surr: 2,4,6-Tribromophenol	495		1,000		49.5	40	140				
Surr: 2-Fluorobiphenyl	449		500.0		89.8	50	130				
Surr: 2-Fluorophenol	1,050		1,000		105	40	140				
Surr: Nitrobenzene-d5	445		500.0		89.0	50	130				
Surr: Phenol-d6	1,090		1,000		109	50	140				
Surr: p-Terphenyl	228		500.0		45.6	40	130				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-1048</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/31/2011</b>	RunNo: <b>1751</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1048</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31656</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-1048</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/31/2011</b>	RunNo: <b>1751</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1048</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31656</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-1048</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/31/2011</b>	RunNo: <b>1751</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>1048</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31656</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.0189		0.02000		94.5	72	135				
Surr: Dibromofluoromethane	0.0202		0.02000		101	75.1	135				
Surr: Toluene-d8	0.0209		0.02000		105	76.5	134				

Sample ID: <b>LCS-1048</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/31/2011</b>	RunNo: <b>1751</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1048</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31657</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.169	0.0500	0.2000	0	84.6	65	135				
Benzene	0.181	0.0200	0.2000	0	90.3	65	135				
Trichloroethene (TCE)	0.169	0.0300	0.2000	0	84.3	65	135				
Toluene	0.218	0.0200	0.2000	0	109	65	135				
Tetrachloroethene (PCE)	0.165	0.0200	0.1600	0	103	65	135				
Chlorobenzene	0.205	0.0200	0.2000	0	103	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0219		0.02000		109	72	144				
Surr: Dibromofluoromethane	0.0206		0.02000		103	75.1	137				
Surr: Toluene-d8	0.0201		0.02000		101	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 9/14/2011

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1108156-020ADUP	SampType: DUP	Units: mg/Kg	Prep Date: 8/31/2011	RunNo: 1751							
Client ID: BATCH	Batch ID: 1048		Analysis Date: 9/6/2011	SeqNo: 31662							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	ND	0.0623						0	0	30	
Bromomethane	ND	0.0935						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0519						0	0	30	
Vinyl acetate	ND	0.0519						0	0	30	
1,1-Dichloroethene	ND	0.0519						0	0	30	
Acetone	ND	0.0519						0	0	30	
3-Chloropropene	ND	0.0519						0	0	30	
Methylene chloride	ND	0.0208						0	0	30	
Carbon disulfide	ND	0.0208						0	0	30	
trans-1,2-Dichloroethene	ND	0.0208						0	0	30	
Methyl tert-butyl ether (MTBE)	ND	0.0519						0	0	30	
1,1-Dichloroethane	ND	0.0208						0	0	30	
2,2-Dichloropropane	ND	0.0519						0	0	30	
cis-1,2-Dichloroethene	ND	0.0208						0	0	30	
Methyl acrylate	ND	0.0208						0	0	30	
Tetrahydrofuran	ND	0.0208						0	0	30	
Chloroform	ND	0.0208						0	0	30	
Bromochloromethane	ND	0.0208						0	0	30	
Propionitrile	ND	0.00519						0	0	30	
Methacrylonitrile	ND	0.0519						0	0	30	
1,1-Dichloropropene	ND	0.0208						0	0	30	
Carbon tetrachloride	ND	0.0208						0	0	30	
1,2-Dichloroethane	ND	0.0312						0	0	30	
Benzene	ND	0.0208						0	0	30	
Trichloroethene (TCE)	ND	0.0312						0	0	30	R
1,2-Dichloropropane	ND	0.0208						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit              R RPD outside accepted recovery limits              RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1108156-020ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg</b>	Prep Date: <b>8/31/2011</b>	RunNo: <b>1751</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>1048</b>		Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31662</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	ND	0.0208						0	0	30	
Dibromomethane	ND	0.0415						0	0	30	
cis-1,3-Dichloropropene	ND	0.0208						0	0	30	
Chloroacetonitrile	ND	0.0519						0	0	30	
Ethyl methacrylate	ND	0.0208						0	0	30	
1,1,2-Trichloroethane	ND	0.0312						0	0	30	
1,3-Dichloropropane	ND	0.0519						0	0	30	
Tetrachloroethene (PCE)	0.0612	0.0208						0.1282	70.8	30	R
1,2-Dibromoethane (EDB)	ND	0.00519						0	0	30	
Chlorobenzene	ND	0.0208						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0312						0	0	30	
Ethylbenzene	ND	0.0312						0	0	30	
m,p-Xylene	ND	0.0208						0	0	30	
o-Xylene	ND	0.0208						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0208						0	0	30	
n-Propylbenzene	ND	0.0208						0	0	30	
Bromobenzene	ND	0.0312						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0208						0	0	30	
2-Chlorotoluene	ND	0.0208						0	0	30	
4-Chlorotoluene	ND	0.0208						0	0	30	
tert-Butylbenzene	ND	0.0208						0	0	30	
1,2,3-Trichloropropane	ND	0.0208						0	0	30	
Pentachloroethane	ND	0.0208						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0519						0	0	30	
sec-Butylbenzene	ND	0.0208						0	0	30	
Chloroprene	ND	0.0208						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1108156-020ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg</b>				Prep Date: <b>8/31/2011</b>	RunNo: <b>1751</b>				
Client ID: <b>BATCH</b>	Batch ID: <b>1048</b>					Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31662</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethyl acetate	ND	0.0519						0	0	30	
Nitrobenzene	ND	0.0208						0	0	30	
1,3-Dichlorobenzene	ND	0.0208						0	0	30	
n-Hexane	ND	0.0208						0	0	30	
1,4-Dichlorobenzene	ND	0.0208						0	0	30	
1,2-Dichlorobenzene	ND	0.0208						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0312						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0208						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0208						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.0210		0.02077		101	72	135		0		
Surr: Dibromofluoromethane	0.0223		0.02077		108	75.1	135		0		
Surr: Toluene-d8	0.0218		0.02077		105	76.5	134		0		

Sample ID: <b>1109007-003BMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>9/2/2011</b>	RunNo: <b>1751</b>				
Client ID: <b>HS-05-090111</b>	Batch ID: <b>1048</b>					Analysis Date: <b>9/6/2011</b>	SeqNo: <b>31666</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.210	0.0620	0.2481	0	84.6	65	135				
Benzene	0.246	0.0248	0.2481	0	99.3	65	135				
Trichloroethene (TCE)	0.218	0.0372	0.2481	0	88.0	65	135				
Toluene	0.232	0.0248	0.2481	0	93.6	65	135				
Tetrachloroethene (PCE)	0.194	0.0248	0.1985	0	97.9	65	135				
Chlorobenzene	0.221	0.0248	0.2481	0	89.3	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0232		0.02481		93.4	72	144				
Surr: Dibromofluoromethane	0.0267		0.02481		108	75.1	137				
Surr: Toluene-d8	0.0250		0.02481		101	76.5	134				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>LCS-R1761</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>				Prep Date: <b>9/7/2011</b>	RunNo: <b>1761</b>				
Client ID: <b>LCSS</b>	Batch ID: <b>R1761</b>					Analysis Date: <b>9/7/2011</b>	SeqNo: <b>31839</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.197	0.0500	0.2000	0	98.5	65	135				
Benzene	0.197	0.0200	0.2000	0	98.6	65	135				
Trichloroethene (TCE)	0.193	0.0300	0.2000	0	96.3	65	135				
Toluene	0.188	0.0200	0.2000	0	94.1	65	135				
Tetrachloroethene (PCE)	0.156	0.0200	0.1600	0	97.5	65	135				
Chlorobenzene	0.197	0.0200	0.2000	0	98.4	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0191		0.02000		95.6	72	144				
Surr: Dibromofluoromethane	0.0205		0.02000		102	75.1	137				
Surr: Toluene-d8	0.0204		0.02000		102	76.5	134				

Sample ID: <b>1109007-004BMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>9/2/2011</b>	RunNo: <b>1761</b>				
Client ID: <b>HS-06-090111</b>	Batch ID: <b>R1761</b>					Analysis Date: <b>9/7/2011</b>	SeqNo: <b>31842</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.218	0.0592	0.2366	0	91.9	65	135				
Benzene	0.231	0.0237	0.2366	0	97.5	65	135				
Trichloroethene (TCE)	0.212	0.0355	0.2366	0	89.6	65	135				
Toluene	0.223	0.0237	0.2366	0	94.1	65	135				
Tetrachloroethene (PCE)	0.173	0.0237	0.1893	0	91.1	65	135				
Chlorobenzene	0.219	0.0237	0.2366	0	92.4	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0228		0.02366		96.5	72	144				
Surr: Dibromofluoromethane	0.0239		0.02366		101	75.1	137				
Surr: Toluene-d8	0.0241		0.02366		102	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0734						0	0	30	
Chloromethane	ND	0.0734						0	0	30	
Vinyl chloride	ND	0.00245						0	0	30	
Bromomethane	ND	0.110						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0612						0	0	30	
Chloroethane	ND	0.0734						0	0	30	
1,1-Dichloroethene	ND	0.0612						0	0	30	
Methylene chloride	ND	0.0245						0	0	30	
trans-1,2-Dichloroethene	ND	0.0245						0	0	30	
1,1-Dichloroethane	ND	0.0245						0	0	30	
2,2-Dichloropropane	ND	0.0612						0	0	30	
cis-1,2-Dichloroethene	ND	0.0245						0	0	30	
Chloroform	ND	0.0245						0	0	30	
Trichloroethane (TCA)	ND	0.0245						0	0	30	
1,1-Dichloropropene	ND	0.0245						0	0	30	
Carbon tetrachloride	ND	0.0245						0	0	30	
1,2-Dichloroethane	ND	0.0367						0	0	30	
Benzene	ND	0.0245						0	0	30	
Trichloroethene (TCE)	ND	0.0367						0	0	30	
1,2-Dichloropropane	ND	0.0245						0	0	30	
Bromodichloromethane	ND	0.0245						0	0	30	
Dibromomethane	ND	0.0490						0	0	30	
cis-1,3-Dichloropropene	ND	0.0245						0	0	30	
Toluene	ND	0.0245						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0367						0	0	30	
1,1,2-Trichloroethane	ND	0.0367						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1109007-006BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/2/2011	RunNo: 1761							
Client ID: HS-08-090111	Batch ID: R1761	Analysis Date: 9/7/2011	SeqNo: 31845								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0612						0	0	30	
Tetrachloroethene (PCE)	ND	0.0245						0	0	30	
Dibromochloromethane	ND	0.0367						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00612						0	0	30	
Chlorobenzene	ND	0.0245						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0367						0	0	30	
Ethylbenzene	ND	0.0367						0	0	30	
m,p-Xylene	ND	0.0245						0	0	30	
o-Xylene	ND	0.0245						0	0	30	
Styrene	ND	0.0245						0	0	30	
Isopropylbenzene	ND	0.0979						0	0	30	
Bromoform	ND	0.0245						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0245						0	0	30	
n-Propylbenzene	ND	0.0245						0	0	30	
Bromobenzene	ND	0.0367						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0245						0	0	30	
2-Chlorotoluene	ND	0.0245						0	0	30	
4-Chlorotoluene	ND	0.0245						0	0	30	
tert-Butylbenzene	ND	0.0245						0	0	30	
1,2,3-Trichloropropane	ND	0.0245						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0612						0	0	30	
sec-Butylbenzene	ND	0.0245						0	0	30	
4-Isopropyltoluene	ND	0.0245						0	0	30	
1,3-Dichlorobenzene	ND	0.0245						0	0	30	
1,4-Dichlorobenzene	ND	0.0245						0	0	30	
n-Butylbenzene	ND	0.0245						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1109007-006BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>9/2/2011</b>	RunNo: <b>1761</b>							
Client ID: <b>HS-08-090111</b>	Batch ID: <b>R1761</b>		Analysis Date: <b>9/7/2011</b>	SeqNo: <b>31845</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	0.0245						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0367						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0245						0	0	30	
Hexachloro-1,3-butadiene	ND	0.122						0	0	30	
Naphthalene	ND	0.0367						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0245						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.0205		0.02448		83.8	72	135		0		
Surr: Dibromofluoromethane	0.0222		0.02448		90.7	75.1	135		0		
Surr: Toluene-d8	0.0252		0.02448		103	76.5	134		0		

Sample ID: <b>MB-R1761</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/7/2011</b>	RunNo: <b>1761</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>R1761</b>		Analysis Date: <b>9/7/2011</b>	SeqNo: <b>31859</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 9/14/2011

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-R1761</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/7/2011</b>	RunNo: <b>1761</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>R1761</b>		Analysis Date: <b>9/7/2011</b>	SeqNo: <b>31859</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109007

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-R1761</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/7/2011</b>	RunNo: <b>1761</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>R1761</b>		Analysis Date: <b>9/7/2011</b>	SeqNo: <b>31859</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.0179		0.02000		89.5	72	135				
Surr: Dibromofluoromethane	0.0220		0.02000		110	75.1	135				
Surr: Toluene-d8	0.0217		0.02000		109	76.5	134				

**NOTES:**

R - High RPD due to suspected sample inhomogeneity. The method is in control as indicated by the LCS.

R - High RPD due to suspected sample inhomogeneity. The method is in control as indicated by the LCS.

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits				

# Chain of Custody Record



1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Laboratory Project No (Internal): **1109007**  
Page: 1 of: 1  
Project Name: tl-dec  
Location: Littlerock, WA  
Collected by: GWD

Client: Calibre  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Tel: \_\_\_\_\_  
Email: \_\_\_\_\_  
Reports To (PM): Tom McKeon Fax: \_\_\_\_\_  
Project Name: \_\_\_\_\_  
Location: \_\_\_\_\_  
Collected by: \_\_\_\_\_

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	BTX (EPA 8260)	Gasoline Range Organics	Hydrocarbon Identification (HID)	SEMI VOL (EPA 8270)	PAH (EPA 8270 - SM)	PCB (EPA 8082)	CI Pesticides (EPA 8081)	CI Pesticides (EPA 8151A)	Metals* (6020 / 200.8)	Total (T) Dissolved (D)	Anions (C) **	Comments/Depth
1 HS-03-090111	9/1/11	1350	Soil	X			X				X	X	X			
2 HS-04-090111	9/1/11	1355	Soil	X			X				X	X	X			
3 HS-05-090111	9/1/11	1400	Soil	X			X				X	X	X			
4 HS-06-090111	9/1/11	1405	Soil	X			X				X	X	X			
5 HS-07-090111	9/1/11	1410	Soil	X			X				X	X	X			
6 HS-08-090111	9/1/11	1415	Soil	X			X				X	X	X			
7																
8																
9																
10																

\*Metals Analysis (Circle): MTCA-5 RCR-8 RCR-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni **Pb** Sb Se Sr Sn Tl Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished Date/Time: 9/12/11 1217 Received Date/Time: 9/12/11 1219

Relinquished Signature: [Signature] Received Signature: [Signature]

TAT -> Next Day 2 Day 3 Day **STD**



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1109046**

September 15, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 7 sample(s) on 9/13/2011 for the analyses presented in the following report.

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 6020***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Jeff Dawson  
Justin Neste



Date: 09/15/2011

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1109046

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1109046-001	HS-16-09.10.11	09/10/2011 11:36 AM	09/13/2011 11:27 AM
1109046-002	HS-17-09.10.11	09/10/2011 11:55 AM	09/13/2011 11:27 AM
1109046-003	HS-18-09.10.11	09/10/2011 12:15 PM	09/13/2011 11:27 AM
1109046-004	HS-19-09.10.11	09/10/2011 12:30 PM	09/13/2011 11:27 AM
1109046-005	HS-20-09.10.11	09/10/2011 12:44 PM	09/13/2011 11:27 AM
1109046-006	HS-21-09.10.11	09/10/2011 12:58 PM	09/13/2011 11:27 AM
1109046-007	HS-TB8-09.10.11	09/13/2011 8:00 AM	09/13/2011 11:27 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned



**CLIENT:** Calibre**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 11:36:19 AM

**Project:** Hytec

**Lab ID:** 1109046-001

**Matrix:** Soil

**Client Sample ID:** HS-16-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

Phenol	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Bis(2-chloroethyl) ether	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2-Chlorophenol	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
1,3-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
1,4-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
1,2-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Benzyl alcohol	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2-Methylphenol (o-cresol)	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Hexachloroethane	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
N-Nitrosodi-n-propylamine	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Nitrobenzene	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Isophorone	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
4-Methylphenol	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2-Nitrophenol	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2,4-Dimethylphenol	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Bis(2-chloroethoxy)methane	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2,4-Dichlorophenol	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
1,2,4-Trichlorobenzene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Naphthalene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
4-Chloroaniline	ND	505		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Hexachlorobutadiene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
4-Chloro-3-methylphenol	ND	505		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2-Methylnaphthalene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
1-Methylnaphthalene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Hexachlorocyclopentadiene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2,4,6-Trichlorophenol	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2,4,5-Trichlorophenol	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2-Chloronaphthalene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2-Nitroaniline	ND	505		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Acenaphthene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Dimethylphthalate	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2,6-Dinitrotoluene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Acenaphthylene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
2,4-Dinitrophenol	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Dibenzofuran	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 11:36:19 AM

**Project:** Hytec

**Lab ID:** 1109046-001

**Matrix:** Soil

**Client Sample ID:** HS-16-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

2,4-Dinitrotoluene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
4-Nitrophenol	ND	505		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Fluorene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
4-Chlorophenyl phenyl ether	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Diethylphthalate	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
4,6-Dinitro-2-methylphenol	ND	202		µg/Kg-dry	1	9/14/2011 9:59:00 PM
4-Bromophenyl phenyl ether	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Hexachlorobenzene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Pentachlorophenol	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Phenanthrene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Anthracene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Carbazole	ND	505		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Di-n-butylphthalate	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Fluoranthene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Pyrene	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Butyl Benzylphthalate	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
bis(2-Ethylhexyl)adipate	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Benz (a) anthracene	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Chrysene	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
bis (2-Ethylhexyl) phthalate	ND	101		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Di-n-octyl phthalate	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Benzo (b) fluoranthene	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Benzo (k) fluoranthene	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Benzo (a) pyrene	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Indeno (1,2,3-cd) pyrene	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Dibenz (a,h) anthracene	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Benzo (g,h,i) perylene	ND	80.8		µg/Kg-dry	1	9/14/2011 9:59:00 PM
Surr: 2,4,6-Tribromophenol	191	40-140	S	%REC	1	9/14/2011 9:59:00 PM
Surr: 2-Fluorobiphenyl	78.5	50-130		%REC	1	9/14/2011 9:59:00 PM
Surr: 2-Fluorophenol	113	40-140		%REC	1	9/14/2011 9:59:00 PM
Surr: Nitrobenzene-d5	74.2	50-130		%REC	1	9/14/2011 9:59:00 PM
Surr: Phenol-d6	112	50-140		%REC	1	9/14/2011 9:59:00 PM
Surr: p-Terphenyl	90.5	40-130		%REC	1	9/14/2011 9:59:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 11:36:19 AM

**Project:** Hytec

**Lab ID:** 1109046-001

**Matrix:** Soil

**Client Sample ID:** HS-16-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0749		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Chloromethane	ND	0.0749		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Vinyl chloride	ND	0.00250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Bromomethane	ND	0.112		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0624		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Chloroethane	ND	0.0749		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,1-Dichloroethene	ND	0.0624		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Methylene chloride	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
trans-1,2-Dichloroethene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
2,2-Dichloropropane	ND	0.0624		mg/Kg-dry	1	9/13/2011 3:10:00 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Chloroform	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Trichloroethane (TCA)	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Carbon tetrachloride	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2-Dichloroethane	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Benzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Trichloroethene (TCE)	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2-Dichloropropane	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Bromodichloromethane	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Dibromomethane	ND	0.0499		mg/Kg-dry	1	9/13/2011 3:10:00 PM
cis-1,3-Dichloropropene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Toluene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
trans-1,3-Dichloropropylene	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,1,2-Trichloroethane	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,3-Dichloropropane	ND	0.0624		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Tetrachloroethene (PCE)	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Dibromochloromethane	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2-Dibromoethane (EDB)	ND	0.00624		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Chlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Ethylbenzene	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
m,p-Xylene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
o-Xylene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 11:36:19 AM

**Project:** Hytec

**Lab ID:** 1109046-001

**Matrix:** Soil

**Client Sample ID:** HS-16-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Styrene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Isopropylbenzene	ND	0.0998		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Bromoform	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
n-Propylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Bromobenzene	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
2-Chlorotoluene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
4-Chlorotoluene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
tert-Butylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2,4-Trichlorobenzene	ND	0.0624		mg/Kg-dry	1	9/13/2011 3:10:00 PM
sec-Butylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
4-Isopropyltoluene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Chloroprene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,3-Dichlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,4-Dichlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
n-Butylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2-Dichlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Hexachloro-1,3-butadiene	ND	0.125		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Naphthalene	ND	0.0374		mg/Kg-dry	1	9/13/2011 3:10:00 PM
1,2,3-Trichlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 3:10:00 PM
Surr: 1-Bromo-4-fluorobenzene	94.3	72-135		%REC	1	9/13/2011 3:10:00 PM
Surr: Dibromofluoromethane	105	75.1-135		%REC	1	9/13/2011 3:10:00 PM
Surr: Toluene-d8	107	76.5-134		%REC	1	9/13/2011 3:10:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1108

Analyst: BR

Cadmium	0.147	0.141		mg/Kg-dry	1	9/13/2011 6:04:35 PM
Lead	2.86	0.141		mg/Kg-dry	1	9/13/2011 6:04:35 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 11:55:19 AM

**Project:** Hytec

**Lab ID:** 1109046-002

**Matrix:** Soil

**Client Sample ID:** HS-17-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

Phenol	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Bis(2-chloroethyl) ether	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2-Chlorophenol	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
1,3-Dichlorobenzene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
1,4-Dichlorobenzene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
1,2-Dichlorobenzene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Benzyl alcohol	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2-Methylphenol (o-cresol)	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Hexachloroethane	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
N-Nitrosodi-n-propylamine	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Nitrobenzene	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Isophorone	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
4-Methylphenol	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2-Nitrophenol	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2,4-Dimethylphenol	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Bis(2-chloroethoxy)methane	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2,4-Dichlorophenol	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
1,2,4-Trichlorobenzene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Naphthalene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
4-Chloroaniline	ND	509		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Hexachlorobutadiene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
4-Chloro-3-methylphenol	ND	509		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2-Methylnaphthalene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
1-Methylnaphthalene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Hexachlorocyclopentadiene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2,4,6-Trichlorophenol	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2,4,5-Trichlorophenol	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2-Chloronaphthalene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2-Nitroaniline	ND	509		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Acenaphthene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Dimethylphthalate	4,910	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2,6-Dinitrotoluene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Acenaphthylene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
2,4-Dinitrophenol	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Dibenzofuran	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 11:55:19 AM

**Project:** Hytec

**Lab ID:** 1109046-002

**Matrix:** Soil

**Client Sample ID:** HS-17-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

2,4-Dinitrotoluene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
4-Nitrophenol	ND	509		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Fluorene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
4-Chlorophenyl phenyl ether	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Diethylphthalate	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
4,6-Dinitro-2-methylphenol	ND	204		µg/Kg-dry	1	9/14/2011 10:21:00 PM
4-Bromophenyl phenyl ether	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Hexachlorobenzene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Pentachlorophenol	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Phenanthrene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Anthracene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Carbazole	ND	509		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Di-n-butylphthalate	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Fluoranthene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Pyrene	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Butyl Benzylphthalate	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
bis(2-Ethylhexyl)adipate	ND	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Benz (a) anthracene	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Chrysene	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
bis (2-Ethylhexyl) phthalate	103	102		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Di-n-octyl phthalate	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Benzo (b) fluoranthene	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Benzo (k) fluoranthene	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Benzo (a) pyrene	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Indeno (1,2,3-cd) pyrene	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Dibenz (a,h) anthracene	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Benzo (g,h,i) perylene	ND	81.4		µg/Kg-dry	1	9/14/2011 10:21:00 PM
Surr: 2,4,6-Tribromophenol	128	40-140		%REC	1	9/14/2011 10:21:00 PM
Surr: 2-Fluorobiphenyl	68.5	50-130		%REC	1	9/14/2011 10:21:00 PM
Surr: 2-Fluorophenol	94.2	40-140		%REC	1	9/14/2011 10:21:00 PM
Surr: Nitrobenzene-d5	69.3	50-130		%REC	1	9/14/2011 10:21:00 PM
Surr: Phenol-d6	80.2	50-140		%REC	1	9/14/2011 10:21:00 PM
Surr: p-Terphenyl	82.6	40-130		%REC	1	9/14/2011 10:21:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 11:55:19 AM

**Project:** Hytec

**Lab ID:** 1109046-002

**Matrix:** Soil

**Client Sample ID:** HS-17-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0778		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Chloromethane	ND	0.0778		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Vinyl chloride	ND	0.00259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Bromomethane	ND	0.117		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0648		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Chloroethane	ND	0.0778		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,1-Dichloroethene	ND	0.0648		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Methylene chloride	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
trans-1,2-Dichloroethene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,1-Dichloroethane	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
2,2-Dichloropropane	ND	0.0648		mg/Kg-dry	1	9/13/2011 3:56:00 PM
cis-1,2-Dichloroethene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Chloroform	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Trichloroethane (TCA)	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,1-Dichloropropene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Carbon tetrachloride	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2-Dichloroethane	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Benzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Trichloroethene (TCE)	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2-Dichloropropane	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Bromodichloromethane	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Dibromomethane	ND	0.0519		mg/Kg-dry	1	9/13/2011 3:56:00 PM
cis-1,3-Dichloropropene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Toluene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
trans-1,3-Dichloropropylene	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,1,2-Trichloroethane	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,3-Dichloropropane	ND	0.0648		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Tetrachloroethene (PCE)	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Dibromochloromethane	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2-Dibromoethane (EDB)	ND	0.00648		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Chlorobenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Ethylbenzene	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
m,p-Xylene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
o-Xylene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 9/10/2011 11:55:19 AM

**Project:** Hytec

**Lab ID:** 1109046-002

**Matrix:** Soil

**Client Sample ID:** HS-17-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Styrene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Isopropylbenzene	ND	0.104		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Bromoform	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
n-Propylbenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Bromobenzene	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,3,5-Trimethylbenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
2-Chlorotoluene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
4-Chlorotoluene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
tert-Butylbenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2,3-Trichloropropane	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2,4-Trichlorobenzene	ND	0.0648		mg/Kg-dry	1	9/13/2011 3:56:00 PM
sec-Butylbenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
4-Isopropyltoluene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Chloroprene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,3-Dichlorobenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,4-Dichlorobenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
n-Butylbenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2-Dichlorobenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2,4-Trimethylbenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Hexachloro-1,3-butadiene	ND	0.130		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Naphthalene	ND	0.0389		mg/Kg-dry	1	9/13/2011 3:56:00 PM
1,2,3-Trichlorobenzene	ND	0.0259		mg/Kg-dry	1	9/13/2011 3:56:00 PM
Surr: 1-Bromo-4-fluorobenzene	80.0	72-135		%REC	1	9/13/2011 3:56:00 PM
Surr: Dibromofluoromethane	95.4	75.1-135		%REC	1	9/13/2011 3:56:00 PM
Surr: Toluene-d8	102	76.5-134		%REC	1	9/13/2011 3:56:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1108

Analyst: BR

Cadmium	0.151	0.148		mg/Kg-dry	1	9/13/2011 6:38:06 PM
Lead	4.86	0.148		mg/Kg-dry	1	9/13/2011 6:38:06 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/10/2011 12:15:00 PM

**Project:** Hytec

**Lab ID:** 1109046-003

**Matrix:** Soil

**Client Sample ID:** HS-18-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

Phenol	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Bis(2-chloroethyl) ether	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2-Chlorophenol	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
1,3-Dichlorobenzene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
1,4-Dichlorobenzene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
1,2-Dichlorobenzene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Benzyl alcohol	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2-Methylphenol (o-cresol)	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Hexachloroethane	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
N-Nitrosodi-n-propylamine	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Nitrobenzene	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Isophorone	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
4-Methylphenol	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2-Nitrophenol	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2,4-Dimethylphenol	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Bis(2-chloroethoxy)methane	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2,4-Dichlorophenol	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
1,2,4-Trichlorobenzene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Naphthalene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
4-Chloroaniline	ND	486		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Hexachlorobutadiene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
4-Chloro-3-methylphenol	ND	486		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2-Methylnaphthalene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
1-Methylnaphthalene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Hexachlorocyclopentadiene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2,4,6-Trichlorophenol	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2,4,5-Trichlorophenol	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2-Chloronaphthalene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2-Nitroaniline	ND	486		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Acenaphthene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Dimethylphthalate	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2,6-Dinitrotoluene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Acenaphthylene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
2,4-Dinitrophenol	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Dibenzofuran	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:15:00 PM

**Project:** Hytec

**Lab ID:** 1109046-003

**Matrix:** Soil

**Client Sample ID:** HS-18-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

2,4-Dinitrotoluene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
4-Nitrophenol	ND	486		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Fluorene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
4-Chlorophenyl phenyl ether	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Diethylphthalate	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
4,6-Dinitro-2-methylphenol	ND	195		µg/Kg-dry	1	9/14/2011 11:48:00 PM
4-Bromophenyl phenyl ether	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Hexachlorobenzene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Pentachlorophenol	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Phenanthrene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Anthracene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Carbazole	ND	486		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Di-n-butylphthalate	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Fluoranthene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Pyrene	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Butyl Benzylphthalate	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
bis(2-Ethylhexyl)adipate	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Benz (a) anthracene	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Chrysene	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
bis (2-Ethylhexyl) phthalate	ND	97.3		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Di-n-octyl phthalate	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Benzo (b) fluoranthene	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Benzo (k) fluoranthene	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Benzo (a) pyrene	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Indeno (1,2,3-cd) pyrene	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Dibenz (a,h) anthracene	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Benzo (g,h,i) perylene	ND	77.8		µg/Kg-dry	1	9/14/2011 11:48:00 PM
Surr: 2,4,6-Tribromophenol	139	40-140		%REC	1	9/14/2011 11:48:00 PM
Surr: 2-Fluorobiphenyl	79.9	50-130		%REC	1	9/14/2011 11:48:00 PM
Surr: 2-Fluorophenol	109	40-140		%REC	1	9/14/2011 11:48:00 PM
Surr: Nitrobenzene-d5	81.5	50-130		%REC	1	9/14/2011 11:48:00 PM
Surr: Phenol-d6	100	50-140		%REC	1	9/14/2011 11:48:00 PM
Surr: p-Terphenyl	81.2	40-130		%REC	1	9/14/2011 11:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:15:00 PM

**Project:** Hytec

**Lab ID:** 1109046-003

**Matrix:** Soil

**Client Sample ID:** HS-18-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0727		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Chloromethane	ND	0.0727		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Vinyl chloride	ND	0.00242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Bromomethane	ND	0.109		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0606		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Chloroethane	ND	0.0727		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,1-Dichloroethene	ND	0.0606		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Methylene chloride	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
trans-1,2-Dichloroethene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,1-Dichloroethane	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
2,2-Dichloropropane	ND	0.0606		mg/Kg-dry	1	9/13/2011 4:42:00 PM
cis-1,2-Dichloroethene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Chloroform	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Trichloroethane (TCA)	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,1-Dichloropropene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Carbon tetrachloride	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2-Dichloroethane	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Benzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Trichloroethene (TCE)	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2-Dichloropropane	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Bromodichloromethane	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Dibromomethane	ND	0.0485		mg/Kg-dry	1	9/13/2011 4:42:00 PM
cis-1,3-Dichloropropene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Toluene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
trans-1,3-Dichloropropylene	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,1,2-Trichloroethane	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,3-Dichloropropane	ND	0.0606		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Tetrachloroethene (PCE)	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Dibromochloromethane	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2-Dibromoethane (EDB)	ND	0.00606		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Chlorobenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Ethylbenzene	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
m,p-Xylene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
o-Xylene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:15:00 PM

**Project:** Hytec

**Lab ID:** 1109046-003

**Matrix:** Soil

**Client Sample ID:** HS-18-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Styrene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Isopropylbenzene	ND	0.0969		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Bromoform	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
n-Propylbenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Bromobenzene	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,3,5-Trimethylbenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
2-Chlorotoluene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
4-Chlorotoluene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
tert-Butylbenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2,3-Trichloropropane	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2,4-Trichlorobenzene	ND	0.0606		mg/Kg-dry	1	9/13/2011 4:42:00 PM
sec-Butylbenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
4-Isopropyltoluene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Chloroprene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,3-Dichlorobenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,4-Dichlorobenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
n-Butylbenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2-Dichlorobenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2,4-Trimethylbenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Hexachloro-1,3-butadiene	ND	0.121		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Naphthalene	ND	0.0363		mg/Kg-dry	1	9/13/2011 4:42:00 PM
1,2,3-Trichlorobenzene	ND	0.0242		mg/Kg-dry	1	9/13/2011 4:42:00 PM
Surr: 1-Bromo-4-fluorobenzene	89.2	72-135		%REC	1	9/13/2011 4:42:00 PM
Surr: Dibromofluoromethane	106	75.1-135		%REC	1	9/13/2011 4:42:00 PM
Surr: Toluene-d8	104	76.5-134		%REC	1	9/13/2011 4:42:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1108

Analyst: BR

Cadmium	ND	0.140		mg/Kg-dry	1	9/13/2011 6:44:48 PM
Lead	2.37	0.140		mg/Kg-dry	1	9/13/2011 6:44:48 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:30:00 PM

**Project:** Hytec

**Lab ID:** 1109046-004

**Matrix:** Soil

**Client Sample ID:** HS-19-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

Phenol	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Bis(2-chloroethyl) ether	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2-Chlorophenol	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
1,3-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
1,4-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
1,2-Dichlorobenzene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Benzyl alcohol	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2-Methylphenol (o-cresol)	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Hexachloroethane	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
N-Nitrosodi-n-propylamine	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Nitrobenzene	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Isophorone	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
4-Methylphenol	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2-Nitrophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2,4-Dimethylphenol	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Bis(2-chloroethoxy)methane	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2,4-Dichlorophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
1,2,4-Trichlorobenzene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Naphthalene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
4-Chloroaniline	ND	499		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Hexachlorobutadiene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
4-Chloro-3-methylphenol	ND	499		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2-Methylnaphthalene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
1-Methylnaphthalene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Hexachlorocyclopentadiene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2,4,6-Trichlorophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2,4,5-Trichlorophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2-Chloronaphthalene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2-Nitroaniline	ND	499		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Acenaphthene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Dimethylphthalate	173	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2,6-Dinitrotoluene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Acenaphthylene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
2,4-Dinitrophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Dibenzofuran	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:30:00 PM

**Project:** Hytec

**Lab ID:** 1109046-004

**Matrix:** Soil

**Client Sample ID:** HS-19-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

2,4-Dinitrotoluene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
4-Nitrophenol	ND	499		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Fluorene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
4-Chlorophenyl phenyl ether	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Diethylphthalate	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
4,6-Dinitro-2-methylphenol	ND	200		µg/Kg-dry	1	9/15/2011 12:09:00 AM
4-Bromophenyl phenyl ether	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Hexachlorobenzene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Pentachlorophenol	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Phenanthrene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Anthracene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Carbazole	ND	499		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Di-n-butylphthalate	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Fluoranthene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Pyrene	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Butyl Benzylphthalate	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
bis(2-Ethylhexyl)adipate	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Benz (a) anthracene	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Chrysene	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
bis (2-Ethylhexyl) phthalate	ND	99.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Di-n-octyl phthalate	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Benzo (b) fluoranthene	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Benzo (k) fluoranthene	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Benzo (a) pyrene	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Indeno (1,2,3-cd) pyrene	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Dibenz (a,h) anthracene	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Benzo (g,h,i) perylene	ND	79.9		µg/Kg-dry	1	9/15/2011 12:09:00 AM
Surr: 2,4,6-Tribromophenol	131	40-140		%REC	1	9/15/2011 12:09:00 AM
Surr: 2-Fluorobiphenyl	72.5	50-130		%REC	1	9/15/2011 12:09:00 AM
Surr: 2-Fluorophenol	102	40-140		%REC	1	9/15/2011 12:09:00 AM
Surr: Nitrobenzene-d5	64.3	50-130		%REC	1	9/15/2011 12:09:00 AM
Surr: Phenol-d6	83.6	50-140		%REC	1	9/15/2011 12:09:00 AM
Surr: p-Terphenyl	75.2	40-130		%REC	1	9/15/2011 12:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:30:00 PM

**Project:** Hytec

**Lab ID:** 1109046-004

**Matrix:** Soil

**Client Sample ID:** HS-19-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0874		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Chloromethane	ND	0.0874		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Vinyl chloride	ND	0.00291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Bromomethane	ND	0.131		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0728		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Chloroethane	ND	0.0874		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,1-Dichloroethene	ND	0.0728		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Methylene chloride	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
trans-1,2-Dichloroethene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,1-Dichloroethane	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
2,2-Dichloropropane	ND	0.0728		mg/Kg-dry	1	9/13/2011 5:04:00 PM
cis-1,2-Dichloroethene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Chloroform	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Trichloroethane (TCA)	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,1-Dichloropropene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Carbon tetrachloride	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2-Dichloroethane	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Benzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Trichloroethene (TCE)	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2-Dichloropropane	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Bromodichloromethane	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Dibromomethane	ND	0.0583		mg/Kg-dry	1	9/13/2011 5:04:00 PM
cis-1,3-Dichloropropene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Toluene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
trans-1,3-Dichloropropylene	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,1,2-Trichloroethane	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,3-Dichloropropane	ND	0.0728		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Tetrachloroethene (PCE)	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Dibromochloromethane	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2-Dibromoethane (EDB)	ND	0.00728		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Chlorobenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Ethylbenzene	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
m,p-Xylene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
o-Xylene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 9/10/2011 12:30:00 PM

**Project:** Hytec

**Lab ID:** 1109046-004

**Matrix:** Soil

**Client Sample ID:** HS-19-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Styrene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Isopropylbenzene	ND	0.117		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Bromoform	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
n-Propylbenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Bromobenzene	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,3,5-Trimethylbenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
2-Chlorotoluene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
4-Chlorotoluene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
tert-Butylbenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2,3-Trichloropropane	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2,4-Trichlorobenzene	ND	0.0728		mg/Kg-dry	1	9/13/2011 5:04:00 PM
sec-Butylbenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
4-Isopropyltoluene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Chloroprene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,3-Dichlorobenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,4-Dichlorobenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
n-Butylbenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2-Dichlorobenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2,4-Trimethylbenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Hexachloro-1,3-butadiene	ND	0.146		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Naphthalene	ND	0.0437		mg/Kg-dry	1	9/13/2011 5:04:00 PM
1,2,3-Trichlorobenzene	ND	0.0291		mg/Kg-dry	1	9/13/2011 5:04:00 PM
Surr: 1-Bromo-4-fluorobenzene	79.9	72-135		%REC	1	9/13/2011 5:04:00 PM
Surr: Dibromofluoromethane	112	75.1-135		%REC	1	9/13/2011 5:04:00 PM
Surr: Toluene-d8	98.3	76.5-134		%REC	1	9/13/2011 5:04:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1108

Analyst: BR

Cadmium	0.203	0.155		mg/Kg-dry	1	9/13/2011 6:51:31 PM
Lead	4.02	0.155		mg/Kg-dry	1	9/13/2011 6:51:31 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:44:00 PM

**Project:** Hytec

**Lab ID:** 1109046-005

**Matrix:** Soil

**Client Sample ID:** HS-20-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

Phenol	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Bis(2-chloroethyl) ether	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2-Chlorophenol	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
1,3-Dichlorobenzene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
1,4-Dichlorobenzene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
1,2-Dichlorobenzene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Benzyl alcohol	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2-Methylphenol (o-cresol)	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Hexachloroethane	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
N-Nitrosodi-n-propylamine	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Nitrobenzene	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Isophorone	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
4-Methylphenol	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2-Nitrophenol	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2,4-Dimethylphenol	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Bis(2-chloroethoxy)methane	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2,4-Dichlorophenol	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
1,2,4-Trichlorobenzene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Naphthalene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
4-Chloroaniline	ND	497		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Hexachlorobutadiene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
4-Chloro-3-methylphenol	ND	497		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2-Methylnaphthalene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
1-Methylnaphthalene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Hexachlorocyclopentadiene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2,4,6-Trichlorophenol	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2,4,5-Trichlorophenol	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2-Chloronaphthalene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2-Nitroaniline	ND	497		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Acenaphthene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Dimethylphthalate	688	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2,6-Dinitrotoluene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Acenaphthylene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
2,4-Dinitrophenol	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Dibenzofuran	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:44:00 PM

**Project:** Hytec

**Lab ID:** 1109046-005

**Matrix:** Soil

**Client Sample ID:** HS-20-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

2,4-Dinitrotoluene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
4-Nitrophenol	ND	497		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Fluorene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
4-Chlorophenyl phenyl ether	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Diethylphthalate	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
4,6-Dinitro-2-methylphenol	ND	199		µg/Kg-dry	1	9/15/2011 12:31:00 AM
4-Bromophenyl phenyl ether	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Hexachlorobenzene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Pentachlorophenol	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Phenanthrene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Anthracene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Carbazole	ND	497		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Di-n-butylphthalate	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Fluoranthene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Pyrene	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Butyl Benzylphthalate	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
bis(2-Ethylhexyl)adipate	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Benz (a) anthracene	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Chrysene	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
bis (2-Ethylhexyl) phthalate	ND	99.3		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Di-n-octyl phthalate	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Benzo (b) fluoranthene	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Benzo (k) fluoranthene	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Benzo (a) pyrene	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Indeno (1,2,3-cd) pyrene	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Dibenz (a,h) anthracene	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Benzo (g,h,i) perylene	ND	79.4		µg/Kg-dry	1	9/15/2011 12:31:00 AM
Surr: 2,4,6-Tribromophenol	138	40-140		%REC	1	9/15/2011 12:31:00 AM
Surr: 2-Fluorobiphenyl	70.4	50-130		%REC	1	9/15/2011 12:31:00 AM
Surr: 2-Fluorophenol	118	40-140		%REC	1	9/15/2011 12:31:00 AM
Surr: Nitrobenzene-d5	73.9	50-130		%REC	1	9/15/2011 12:31:00 AM
Surr: Phenol-d6	83.8	50-140		%REC	1	9/15/2011 12:31:00 AM
Surr: p-Terphenyl	56.7	40-130		%REC	1	9/15/2011 12:31:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:44:00 PM

**Project:** Hytec

**Lab ID:** 1109046-005

**Matrix:** Soil

**Client Sample ID:** HS-20-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0677		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Chloromethane	ND	0.0677		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Vinyl chloride	ND	0.00226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Bromomethane	ND	0.102		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0564		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Chloroethane	ND	0.0677		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,1-Dichloroethene	ND	0.0564		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Methylene chloride	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
trans-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,1-Dichloroethane	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
2,2-Dichloropropane	ND	0.0564		mg/Kg-dry	1	9/13/2011 5:27:00 PM
cis-1,2-Dichloroethene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Chloroform	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Trichloroethane (TCA)	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,1-Dichloropropene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Carbon tetrachloride	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2-Dichloroethane	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Benzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Trichloroethene (TCE)	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2-Dichloropropane	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Bromodichloromethane	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Dibromomethane	ND	0.0451		mg/Kg-dry	1	9/13/2011 5:27:00 PM
cis-1,3-Dichloropropene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Toluene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
trans-1,3-Dichloropropylene	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,1,2-Trichloroethane	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,3-Dichloropropane	ND	0.0564		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Tetrachloroethene (PCE)	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Dibromochloromethane	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2-Dibromoethane (EDB)	ND	0.00564		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Chlorobenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Ethylbenzene	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
m,p-Xylene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
o-Xylene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:44:00 PM

**Project:** Hytec

**Lab ID:** 1109046-005

**Matrix:** Soil

**Client Sample ID:** HS-20-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Styrene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Isopropylbenzene	ND	0.0902		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Bromoform	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
n-Propylbenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Bromobenzene	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,3,5-Trimethylbenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
2-Chlorotoluene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
4-Chlorotoluene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
tert-Butylbenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2,3-Trichloropropane	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2,4-Trichlorobenzene	ND	0.0564		mg/Kg-dry	1	9/13/2011 5:27:00 PM
sec-Butylbenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
4-Isopropyltoluene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Chloroprene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,3-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,4-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
n-Butylbenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2,4-Trimethylbenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Hexachloro-1,3-butadiene	ND	0.113		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Naphthalene	ND	0.0338		mg/Kg-dry	1	9/13/2011 5:27:00 PM
1,2,3-Trichlorobenzene	ND	0.0226		mg/Kg-dry	1	9/13/2011 5:27:00 PM
Surr: 1-Bromo-4-fluorobenzene	92.1	72-135		%REC	1	9/13/2011 5:27:00 PM
Surr: Dibromofluoromethane	110	75.1-135		%REC	1	9/13/2011 5:27:00 PM
Surr: Toluene-d8	106	76.5-134		%REC	1	9/13/2011 5:27:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1108

Analyst: BR

Cadmium	ND	0.154		mg/Kg-dry	1	9/13/2011 6:58:13 PM
Lead	2.96	0.154		mg/Kg-dry	1	9/13/2011 6:58:13 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:58:00 PM

**Project:** Hytec

**Lab ID:** 1109046-006

**Matrix:** Soil

**Client Sample ID:** HS-21-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

Phenol	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Bis(2-chloroethyl) ether	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2-Chlorophenol	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
1,3-Dichlorobenzene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
1,4-Dichlorobenzene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
1,2-Dichlorobenzene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Benzyl alcohol	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2-Methylphenol (o-cresol)	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Hexachloroethane	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
N-Nitrosodi-n-propylamine	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Nitrobenzene	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Isophorone	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
4-Methylphenol	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2-Nitrophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2,4-Dimethylphenol	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Bis(2-chloroethoxy)methane	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2,4-Dichlorophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
1,2,4-Trichlorobenzene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Naphthalene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
4-Chloroaniline	ND	501		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Hexachlorobutadiene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
4-Chloro-3-methylphenol	ND	501		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2-Methylnaphthalene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
1-Methylnaphthalene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Hexachlorocyclopentadiene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2,4,6-Trichlorophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2,4,5-Trichlorophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2-Chloronaphthalene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2-Nitroaniline	ND	501		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Acenaphthene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Dimethylphthalate	516	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2,6-Dinitrotoluene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Acenaphthylene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
2,4-Dinitrophenol	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Dibenzofuran	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:58:00 PM

**Project:** Hytec

**Lab ID:** 1109046-006

**Matrix:** Soil

**Client Sample ID:** HS-21-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1102

Analyst: SG

2,4-Dinitrotoluene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
4-Nitrophenol	ND	501		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Fluorene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
4-Chlorophenyl phenyl ether	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Diethylphthalate	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
4,6-Dinitro-2-methylphenol	ND	200		µg/Kg-dry	1	9/15/2011 12:53:00 AM
4-Bromophenyl phenyl ether	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Hexachlorobenzene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Pentachlorophenol	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Phenanthrene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Anthracene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Carbazole	ND	501		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Di-n-butylphthalate	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Fluoranthene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Pyrene	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Butyl Benzylphthalate	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
bis(2-Ethylhexyl)adipate	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Benz (a) anthracene	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Chrysene	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
bis (2-Ethylhexyl) phthalate	ND	100		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Di-n-octyl phthalate	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Benzo (b) fluoranthene	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Benzo (k) fluoranthene	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Benzo (a) pyrene	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Indeno (1,2,3-cd) pyrene	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Dibenz (a,h) anthracene	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Benzo (g,h,i) perylene	ND	80.1		µg/Kg-dry	1	9/15/2011 12:53:00 AM
Surr: 2,4,6-Tribromophenol	114	40-140		%REC	1	9/15/2011 12:53:00 AM
Surr: 2-Fluorobiphenyl	83.3	50-130		%REC	1	9/15/2011 12:53:00 AM
Surr: 2-Fluorophenol	81.5	40-140		%REC	1	9/15/2011 12:53:00 AM
Surr: Nitrobenzene-d5	74.4	50-130		%REC	1	9/15/2011 12:53:00 AM
Surr: Phenol-d6	42.2	50-140	S	%REC	1	9/15/2011 12:53:00 AM
Surr: p-Terphenyl	93.4	40-130		%REC	1	9/15/2011 12:53:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/10/2011 12:58:00 PM

**Project:** Hytec

**Lab ID:** 1109046-006

**Matrix:** Soil

**Client Sample ID:** HS-21-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0750		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Chloromethane	ND	0.0750		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Vinyl chloride	ND	0.00250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Bromomethane	ND	0.112		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0625		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Chloroethane	ND	0.0750		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,1-Dichloroethene	ND	0.0625		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Methylene chloride	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
trans-1,2-Dichloroethene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,1-Dichloroethane	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
2,2-Dichloropropane	ND	0.0625		mg/Kg-dry	1	9/13/2011 5:50:00 PM
cis-1,2-Dichloroethene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Chloroform	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Trichloroethane (TCA)	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,1-Dichloropropene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Carbon tetrachloride	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2-Dichloroethane	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Benzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Trichloroethene (TCE)	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2-Dichloropropane	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Bromodichloromethane	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Dibromomethane	ND	0.0500		mg/Kg-dry	1	9/13/2011 5:50:00 PM
cis-1,3-Dichloropropene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Toluene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
trans-1,3-Dichloropropylene	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,1,2-Trichloroethane	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,3-Dichloropropane	ND	0.0625		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Tetrachloroethene (PCE)	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Dibromochloromethane	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2-Dibromoethane (EDB)	ND	0.00625		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Chlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Ethylbenzene	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
m,p-Xylene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
o-Xylene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 9/10/2011 12:58:00 PM

**Project:** Hytec

**Lab ID:** 1109046-006

**Matrix:** Soil

**Client Sample ID:** HS-21-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Styrene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Isopropylbenzene	ND	0.100		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Bromoform	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
n-Propylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Bromobenzene	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,3,5-Trimethylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
2-Chlorotoluene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
4-Chlorotoluene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
tert-Butylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2,3-Trichloropropane	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2,4-Trichlorobenzene	ND	0.0625		mg/Kg-dry	1	9/13/2011 5:50:00 PM
sec-Butylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
4-Isopropyltoluene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Chloroprene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,3-Dichlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,4-Dichlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
n-Butylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2-Dichlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2,4-Trimethylbenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Hexachloro-1,3-butadiene	ND	0.125		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Naphthalene	ND	0.0375		mg/Kg-dry	1	9/13/2011 5:50:00 PM
1,2,3-Trichlorobenzene	ND	0.0250		mg/Kg-dry	1	9/13/2011 5:50:00 PM
Surr: 1-Bromo-4-fluorobenzene	94.7	72-135		%REC	1	9/13/2011 5:50:00 PM
Surr: Dibromofluoromethane	102	75.1-135		%REC	1	9/13/2011 5:50:00 PM
Surr: Toluene-d8	99.6	76.5-134		%REC	1	9/13/2011 5:50:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1108

Analyst: BR

Cadmium	ND	0.167		mg/Kg-dry	1	9/13/2011 7:04:56 PM
Lead	3.73	0.167		mg/Kg-dry	1	9/13/2011 7:04:56 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109046

Date Reported: 9/15/2011

**Client:** Calibre

**Collection Date:** 9/13/2011 8:00:00 AM

**Project:** Hytec

**Lab ID:** 1109046-007

**Matrix:** Soil

**Client Sample ID:** HS-TB8-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0600		mg/Kg	1	9/13/2011 2:48:00 PM
Chloromethane	ND	0.0600		mg/Kg	1	9/13/2011 2:48:00 PM
Vinyl chloride	ND	0.00200		mg/Kg	1	9/13/2011 2:48:00 PM
Bromomethane	ND	0.0900		mg/Kg	1	9/13/2011 2:48:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0500		mg/Kg	1	9/13/2011 2:48:00 PM
Chloroethane	ND	0.0600		mg/Kg	1	9/13/2011 2:48:00 PM
1,1-Dichloroethene	ND	0.0500		mg/Kg	1	9/13/2011 2:48:00 PM
Methylene chloride	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,1-Dichloroethane	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
2,2-Dichloropropane	ND	0.0500		mg/Kg	1	9/13/2011 2:48:00 PM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Chloroform	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Trichloroethane (TCA)	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,1-Dichloropropene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Carbon tetrachloride	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,2-Dichloroethane	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
Benzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Trichloroethene (TCE)	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
1,2-Dichloropropane	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Bromodichloromethane	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Dibromomethane	ND	0.0400		mg/Kg	1	9/13/2011 2:48:00 PM
cis-1,3-Dichloropropene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Toluene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
trans-1,3-Dichloropropylene	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
1,1,2-Trichloroethane	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
1,3-Dichloropropane	ND	0.0500		mg/Kg	1	9/13/2011 2:48:00 PM
Tetrachloroethene (PCE)	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Dibromochloromethane	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
1,2-Dibromoethane (EDB)	ND	0.00500		mg/Kg	1	9/13/2011 2:48:00 PM
Chlorobenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
Ethylbenzene	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
m,p-Xylene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
o-Xylene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/13/2011 8:00:00 AM

**Project:** Hytec

**Lab ID:** 1109046-007

**Matrix:** Soil

**Client Sample ID:** HS-TB8-09.10.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R1823

Analyst: PH

Styrene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Isopropylbenzene	ND	0.0800		mg/Kg	1	9/13/2011 2:48:00 PM
Bromoform	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
n-Propylbenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Bromobenzene	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
2-Chlorotoluene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
4-Chlorotoluene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
tert-Butylbenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,2,4-Trichlorobenzene	ND	0.0500		mg/Kg	1	9/13/2011 2:48:00 PM
sec-Butylbenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
4-Isopropyltoluene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Chloroprene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,3-Dichlorobenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,4-Dichlorobenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
n-Butylbenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,2-Dichlorobenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Hexachloro-1,3-butadiene	ND	0.100		mg/Kg	1	9/13/2011 2:48:00 PM
Naphthalene	ND	0.0300		mg/Kg	1	9/13/2011 2:48:00 PM
1,2,3-Trichlorobenzene	ND	0.0200		mg/Kg	1	9/13/2011 2:48:00 PM
Surr: 1-Bromo-4-fluorobenzene	98.8	72-135		%REC	1	9/13/2011 2:48:00 PM
Surr: Dibromofluoromethane	101	75.1-135		%REC	1	9/13/2011 2:48:00 PM
Surr: Toluene-d8	108	76.5-134		%REC	1	9/13/2011 2:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Total Metals by EPA Method 6020

Sample ID: <b>MB-1108</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1818</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>1108</b>		Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32807</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.200
Lead	ND	0.200

Sample ID: <b>LCS-1108</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1818</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1108</b>		Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32808</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.90	0.200	2.500	0	116	80	120
Lead	24.6	0.200	25.00	0	98.2	80	120

Sample ID: <b>1109046-001ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1818</b>							
Client ID: <b>HS-16-09.10.11</b>	Batch ID: <b>1108</b>		Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32810</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	0.155	0.145						0.1471	5.15	30
Lead	2.79	0.145						2.861	2.61	30

Sample ID: <b>1109046-001AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1818</b>							
Client ID: <b>HS-16-09.10.11</b>	Batch ID: <b>1108</b>		Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32811</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.22	0.148	1.845	0.1471	112	75	125
Lead	22.8	0.148	18.45	2.861	108	75	125

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1109046  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 6020**

Sample ID: 1109046-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 9/13/2011	RunNo: 1818							
Client ID: HS-16-09.10.11	Batch ID: 1108	Analysis Date: 9/13/2011	SeqNo: 32812								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.15	0.144	1.806	0.1471	111	75	125	2.220	3.28	30	
Lead	21.6	0.144	18.06	2.861	104	75	125	22.80	5.31	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>LCS-1102</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>					Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>			
Client ID: <b>LCSS</b>	Batch ID: <b>1102</b>						Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33047</b>			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	713	200	1,000	0	71.3	40	140				
2-Chlorophenol	717	100	1,000	0	71.7	40	140				
1,4-Dichlorobenzene	383	100	500.0	0	76.6	50	130				
N-Nitrosodi-n-propylamine	368	100	500.0	0	73.7	50	130				
1,2,4-Trichlorobenzene	294	100	500.0	0	58.8	50	130				
4-Chloro-3-methylphenol	621	500	1,000	0	62.1	40	140				
Acenaphthene	277	100	500.0	0	55.4	50	130				
2,4-Dinitrotoluene	320	100	500.0	0	63.9	50	130				
Pentachlorophenol	750	100	1,000	0	75.0	40	140				
Pyrene	336	100	500.0	0	67.2	50	130				
Surr: 2,4,6-Tribromophenol	1,160		1,000		116	40	140				
Surr: 2-Fluorobiphenyl	408		500.0		81.6	50	130				
Surr: 2-Fluorophenol	1,040		1,000		104	40	140				
Surr: Nitrobenzene-d5	398		500.0		79.6	50	130				
Surr: Phenol-d6	853		1,000		85.3	50	140				
Surr: p-Terphenyl	442		500.0		88.4	40	130				

Sample ID: <b>MB-1102</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>					Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>			
Client ID: <b>MBLKS</b>	Batch ID: <b>1102</b>						Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33048</b>			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	200									
Bis(2-chloroethyl) ether	ND	200									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	100									
1,4-Dichlorobenzene	ND	100									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1102</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1102</b>		Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33048</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	100									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									
Nitrobenzene	ND	200									
Isophorone	ND	100									
4-Methylphenol	ND	100									
2-Nitrophenol	ND	200									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	100									
2,4-Dichlorophenol	ND	200									
1,2,4-Trichlorobenzene	ND	100									
Naphthalene	ND	100									
4-Chloroaniline	ND	500									
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1102</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1102</b>		Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33048</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1109046

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1102</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>1102</b>		Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33048</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									
Surr: 2,4,6-Tribromophenol	1,060		1,000		106	40	140				
Surr: 2-Fluorobiphenyl	415		500.0		83.0	50	130				
Surr: 2-Fluorophenol	1,110		1,000		111	40	140				
Surr: Nitrobenzene-d5	393		500.0		78.7	50	130				
Surr: Phenol-d6	813		1,000		81.3	50	140				
Surr: p-Terphenyl	478		500.0		95.6	40	130				

Sample ID: <b>1109046-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>							
Client ID: <b>HS-17-09.10.11</b>	Batch ID: <b>1102</b>		Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33050</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	199						0	0	50	
Bis(2-chloroethyl) ether	ND	199						0	0	50	
2-Chlorophenol	ND	99.5						0	0	50	
1,3-Dichlorobenzene	ND	99.5						0	0	50	
1,4-Dichlorobenzene	ND	99.5						0	0	50	
1,2-Dichlorobenzene	ND	99.5						0	0	50	
Benzyl alcohol	ND	99.5						0	0	50	
2-Methylphenol (o-cresol)	ND	99.5						0	0	50	
Hexachloroethane	ND	99.5						0	0	50	
N-Nitrosodi-n-propylamine	ND	99.5						0	0	50	

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 9/15/2011

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1109046-002ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 9/13/2011	RunNo: 1835							
Client ID: HS-17-09.10.11	Batch ID: 1102	Analysis Date: 9/14/2011	SeqNo: 33050								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	ND	199						0	0	50	
Isophorone	ND	99.5						0	0	50	
4-Methylphenol	ND	99.5						0	0	50	
2-Nitrophenol	ND	199						0	0	50	
2,4-Dimethylphenol	ND	99.5						0	0	50	
Bis(2-chloroethoxy)methane	ND	99.5						0	0	50	
2,4-Dichlorophenol	ND	199						0	0	50	
1,2,4-Trichlorobenzene	ND	99.5						0	0	50	
Naphthalene	ND	99.5						0	0	50	
4-Chloroaniline	ND	497						0	0	50	
Hexachlorobutadiene	ND	99.5						0	0	50	
4-Chloro-3-methylphenol	ND	497						0	0	50	
2-Methylnaphthalene	ND	99.5						0	0	50	
1-Methylnaphthalene	ND	99.5						0	0	50	
Hexachlorocyclopentadiene	ND	99.5						0	0	50	
2,4,6-Trichlorophenol	ND	199						0	0	50	
2,4,5-Trichlorophenol	ND	199						0	0	50	
2-Chloronaphthalene	ND	99.5						0	0	50	
2-Nitroaniline	ND	497						0	0	50	
Acenaphthene	ND	99.5						0	0	50	
Dimethylphthalate	2,760	99.5						4,911	55.9	50	R
2,6-Dinitrotoluene	ND	99.5						0	0	50	
Acenaphthylene	ND	99.5						0	0	50	
2,4-Dinitrophenol	ND	199						0	0	50	
Dibenzofuran	ND	99.5						0	0	50	
2,4-Dinitrotoluene	ND	99.5						0	0	50	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 9/15/2011

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1109046-002ADUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 9/13/2011	RunNo: 1835							
Client ID: HS-17-09.10.11	Batch ID: 1102	Analysis Date: 9/14/2011	SeqNo: 33050								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	497						0	0	50	
Fluorene	ND	99.5						0	0	50	
4-Chlorophenyl phenyl ether	ND	99.5						0	0	50	
Diethylphthalate	ND	99.5						0	0	50	
4,6-Dinitro-2-methylphenol	ND	199						0	0	50	
4-Bromophenyl phenyl ether	ND	99.5						0	0	50	
Hexachlorobenzene	ND	99.5						0	0	50	
Pentachlorophenol	ND	99.5						0	0	50	
Phenanthrene	ND	99.5						0	0	50	
Anthracene	ND	99.5						0	0	50	
Carbazole	ND	497						0	0	50	
Di-n-butylphthalate	ND	99.5						0	0	50	
Fluoranthene	ND	99.5						0	0	50	
Pyrene	ND	99.5						0	0	50	
Butyl Benzylphthalate	ND	99.5						0	0	50	
bis(2-Ethylhexyl)adipate	ND	99.5						0	0	50	
Benz (a) anthracene	ND	79.6						0	0	50	
Chrysene	ND	79.6						0	0	50	
bis (2-Ethylhexyl) phthalate	126	99.5						103.1	20.4	50	
Di-n-octyl phthalate	ND	79.6						0	0	50	
Benzo (b) fluoranthene	ND	79.6						0	0	50	
Benzo (k) fluoranthene	ND	79.6						0	0	50	
Benzo (a) pyrene	ND	79.6						0	0	50	
Indeno (1,2,3-cd) pyrene	ND	79.6						0	0	50	
Dibenz (a,h) anthracene	ND	79.6						0	0	50	
Benzo (g,h,i) perylene	ND	79.6						0	0	50	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1109046-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>							
Client ID: <b>HS-17-09.10.11</b>	Batch ID: <b>1102</b>		Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33050</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4,6-Tribromophenol	855		994.9		86.0	40	140		0		
Surr: 2-Fluorobiphenyl	370		497.5		74.4	50	130		0		
Surr: 2-Fluorophenol	1,130		994.9		114	40	140		0		
Surr: Nitrobenzene-d5	383		497.5		77.0	50	130		0		
Surr: Phenol-d6	991		994.9		99.6	50	140		0		
Surr: p-Terphenyl	375		497.5		75.3	40	130		0		

Sample ID: <b>1109046-002AMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>							
Client ID: <b>HS-17-09.10.11</b>	Batch ID: <b>1102</b>		Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33052</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	879	200	999.2	0	88.0	40	140				
2-Chlorophenol	979	99.9	999.2	0	98.0	40	140				
1,4-Dichlorobenzene	344	99.9	499.6	0	68.8	50	130				
N-Nitrosodi-n-propylamine	412	99.9	499.6	0	82.4	50	130				
1,2,4-Trichlorobenzene	299	99.9	499.6	0	59.9	50	130				
4-Chloro-3-methylphenol	1,070	500	999.2	0	107	40	140				
Acenaphthene	330	99.9	499.6	0	66.1	50	130				
2,4-Dinitrotoluene	353	99.9	499.6	0	70.6	50	130				
Pentachlorophenol	921	99.9	999.2	0	92.1	40	140				
Pyrene	368	99.9	499.6	0	73.7	50	130				
Surr: 2,4,6-Tribromophenol	1,470		999.2		147	40	140				S
Surr: 2-Fluorobiphenyl	444		499.6		88.8	50	130				
Surr: 2-Fluorophenol	1,180		999.2		118	40	140				
Surr: Nitrobenzene-d5	453		499.6		90.7	50	130				
Surr: Phenol-d6	998		999.2		99.9	50	140				

**Qualifiers:** E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1109046-002AMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1835</b>							
Client ID: <b>HS-17-09.10.11</b>	Batch ID: <b>1102</b>	Analysis Date: <b>9/14/2011</b>	SeqNo: <b>33052</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: p-Terphenyl	492		499.6		98.4	40	130				
-------------------	-----	--	-------	--	------	----	-----	--	--	--	--

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-R1823</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1823</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>R1823</b>		Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32900</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 9/15/2011

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-R1823</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1823</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>R1823</b>		Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32900</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
Chloroprene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-R1823</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1823</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>R1823</b>		Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32900</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.0184		0.02000		91.8	72	135				
Surr: Dibromofluoromethane	0.0220		0.02000		110	75.1	135				
Surr: Toluene-d8	0.0214		0.02000		107	76.5	134				

Sample ID: <b>LCS-R1823</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/13/2011</b>	RunNo: <b>1823</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R1823</b>		Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32901</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.150	0.0500	0.2000	0	74.9	65	135				
Benzene	0.157	0.0200	0.2000	0	78.6	65	135				
Trichloroethene (TCE)	0.166	0.0300	0.2000	0	83.2	65	135				
Toluene	0.159	0.0200	0.2000	0	79.4	65	135				
Tetrachloroethene (PCE)	0.114	0.0200	0.1600	0	71.0	65	135				
Chlorobenzene	0.154	0.0200	0.2000	0	77.1	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0192		0.02000		95.8	72	144				
Surr: Dibromofluoromethane	0.0214		0.02000		107	75.1	137				
Surr: Toluene-d8	0.0217		0.02000		108	76.5	134				

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit R RPD outside accepted recovery limits RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1109046-001BDUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/13/2011	RunNo: 1823							
Client ID: HS-16-09.10.11	Batch ID: R1823	Analysis Date: 9/13/2011	SeqNo: 32904								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0584						0	0	30	
Chloromethane	ND	0.0584						0	0	30	
Vinyl chloride	ND	0.00195						0	0	30	
Bromomethane	ND	0.0876						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0487						0	0	30	
Chloroethane	ND	0.0584						0	0	30	
1,1-Dichloroethene	ND	0.0487						0	0	30	
Methylene chloride	ND	0.0195						0	0	30	
trans-1,2-Dichloroethene	ND	0.0195						0	0	30	
1,1-Dichloroethane	ND	0.0195						0	0	30	
2,2-Dichloropropane	ND	0.0487						0	0	30	
cis-1,2-Dichloroethene	ND	0.0195						0	0	30	
Chloroform	ND	0.0195						0	0	30	
Trichloroethane (TCA)	ND	0.0195						0	0	30	
1,1-Dichloropropene	ND	0.0195						0	0	30	
Carbon tetrachloride	ND	0.0195						0	0	30	
1,2-Dichloroethane	ND	0.0292						0	0	30	
Benzene	ND	0.0195						0	0	30	
Trichloroethene (TCE)	ND	0.0292						0	0	30	
1,2-Dichloropropane	ND	0.0195						0	0	30	
Bromodichloromethane	ND	0.0195						0	0	30	
Dibromomethane	ND	0.0389						0	0	30	
cis-1,3-Dichloropropene	ND	0.0195						0	0	30	
Toluene	ND	0.0195						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0292						0	0	30	
1,1,2-Trichloroethane	ND	0.0292						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0487						0	0	30	
Tetrachloroethene (PCE)	ND	0.0195						0	0	30	
Dibromochloromethane	ND	0.0292						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00487						0	0	30	
Chlorobenzene	ND	0.0195						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0292						0	0	30	
Ethylbenzene	ND	0.0292						0	0	30	
m,p-Xylene	ND	0.0195						0	0	30	
o-Xylene	ND	0.0195						0	0	30	
Styrene	ND	0.0195						0	0	30	
Isopropylbenzene	ND	0.0778						0	0	30	
Bromoform	ND	0.0195						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0195						0	0	30	
n-Propylbenzene	ND	0.0195						0	0	30	
Bromobenzene	ND	0.0292						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0195						0	0	30	
2-Chlorotoluene	ND	0.0195						0	0	30	
4-Chlorotoluene	ND	0.0195						0	0	30	
tert-Butylbenzene	ND	0.0195						0	0	30	
1,2,3-Trichloropropane	ND	0.0195						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0487						0	0	30	
sec-Butylbenzene	ND	0.0195						0	0	30	
4-Isopropyltoluene	ND	0.0195						0	0	30	
Chloroprene	ND	0.0195						0	0	30	
1,3-Dichlorobenzene	ND	0.0195						0	0	30	
1,4-Dichlorobenzene	ND	0.0195						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109046

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1109046-001BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>9/13/2011</b>	RunNo: <b>1823</b>				
Client ID: <b>HS-16-09.10.11</b>	Batch ID: <b>R1823</b>					Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32904</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0195						0	0	30	
1,2-Dichlorobenzene	ND	0.0195						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0292						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0195						0	0	30	
Hexachloro-1,3-butadiene	ND	0.0973						0	0	30	
Naphthalene	ND	0.0292						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0195						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.0188		0.01946		96.7	72	135		0		
Surr: Dibromofluoromethane	0.0210		0.01946		108	75.1	135		0		
Surr: Toluene-d8	0.0202		0.01946		104	76.5	134		0		

Sample ID: <b>1109046-002BMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>9/13/2011</b>	RunNo: <b>1823</b>				
Client ID: <b>HS-17-09.10.11</b>	Batch ID: <b>R1823</b>					Analysis Date: <b>9/13/2011</b>	SeqNo: <b>32906</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.167	0.0525	0.2101	0	79.7	65	135				
Benzene	0.163	0.0210	0.2101	0	77.6	65	135				
Trichloroethene (TCE)	0.180	0.0315	0.2101	0	85.7	65	135				
Toluene	0.161	0.0210	0.2101	0	76.7	65	135				
Tetrachloroethene (PCE)	0.136	0.0210	0.1680	0	81.1	65	135				
Chlorobenzene	0.152	0.0210	0.2101	0	72.2	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.0153		0.02101		72.9	72	144				
Surr: Dibromofluoromethane	0.0204		0.02101		97.1	75.1	137				
Surr: Toluene-d8	0.0189		0.02101		89.9	76.5	134				

**NOTES:**

R - High RPD due to suspected sample inhomogeneity. The method is in control as indicated by the LCS.

<b>Qualifiers:</b>	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits				

# Chain of Custody Record



1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: Calibre Systems  
Address: 64290 Airway Blvd.  
City, State, Zip: Joseph, OR 97784 Tel: 541-432-0305

Reports To (PM): Tom McKeon Fax: \_\_\_\_\_  
Project Name: Hytex  
Location: \_\_\_\_\_  
Collected by: Grant Dawson  
Email: Grant.Dawson@calibresys.com Project No: \_\_\_\_\_

Laboratory Project No (Internal): 1109046  
Page: 1 of \_\_\_\_\_

Date: 10 Sep 11

Grant Dawson  
Justin Weste  
Jeff Dawson

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	BTEX	Gasoline Range Organics	Hydrocarbon Identification (HID)	SEM/EDX (EPA 8270 SIM)	PCR (EPA 8082)	CI Pesticides (EPA 8081)	Metals* (EPA 8151)	Total (T) (Desired (D))	Anions (Cl)**	Comments/Depth
HS-TB8-09-10-11	10 Sep 11	0800	soil	X			X			X				
HS-16-09-10-11	10 Sep 11	1136	soil	X			X			X				
HS-17-09-10-11	10 Sep 11	1155	soil	X			X			X				
HS-18-09-10-11	10 Sep 11	1215	soil	X			X			X				
HS-19-09-10-11	10 Sep 11	1230	soil	X			X			X				
HS-20-09-10-11	10 Sep 11	1244	soil	X			X			X				
HS-21-09-10-11	10 Sep 11	1258	soil	X			X			X				
8														
9														
10														

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide Iodide Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Signature: Jeff Dawson Date/Time: 12 Sep 11 09:30 Received: 9/13/11 11:27  
Signature: Jonny Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received: \_\_\_\_\_

TAT -> Next Day 2 Day 3 Day STD



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec**

**Lab ID: 1109061**

September 20, 2011

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 3 sample(s) on 9/15/2011 for the analyses presented in the following report.

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 6020***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Jeff Dawson  
Justin Neste



Date: 09/20/2011

---

**CLIENT:** Calibre  
**Project:** Hytec  
**Lab Order:** 1109061

## Work Order Sample Summary

---

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1109061-001	HS-22-09.14.11	09/14/2011 3:00 PM	09/15/2011 10:10 AM
1109061-002	HS-23-09.14.11	09/14/2011 3:10 PM	09/15/2011 10:10 AM
1109061-003	HS-24-09.14.11	09/14/2011 3:22 PM	09/15/2011 10:10 AM

---

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Calibre**Project:** Hytec

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1109061-001

**Matrix:** Soil

**Client Sample ID:** HS-22-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1126

Analyst: SG

Phenol	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Bis(2-chloroethyl) ether	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2-Chlorophenol	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
1,3-Dichlorobenzene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
1,4-Dichlorobenzene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
1,2-Dichlorobenzene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Benzyl alcohol	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2-Methylphenol (o-cresol)	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Hexachloroethane	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
N-Nitrosodi-n-propylamine	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Nitrobenzene	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Isophorone	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
4-Methylphenol	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2-Nitrophenol	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2,4-Dimethylphenol	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Bis(2-chloroethoxy)methane	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2,4-Dichlorophenol	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
1,2,4-Trichlorobenzene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Naphthalene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
4-Chloroaniline	ND	653		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Hexachlorobutadiene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
4-Chloro-3-methylphenol	ND	653		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2-Methylnaphthalene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
1-Methylnaphthalene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Hexachlorocyclopentadiene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2,4,6-Trichlorophenol	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2,4,5-Trichlorophenol	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2-Chloronaphthalene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2-Nitroaniline	ND	653		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Acenaphthene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Dimethylphthalate	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2,6-Dinitrotoluene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Acenaphthylene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
2,4-Dinitrophenol	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Dibenzofuran	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 9/14/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1109061-001

**Matrix:** Soil

**Client Sample ID:** HS-22-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1126

Analyst: SG

2,4-Dinitrotoluene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
4-Nitrophenol	ND	653		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Fluorene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
4-Chlorophenyl phenyl ether	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Diethylphthalate	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
4,6-Dinitro-2-methylphenol	ND	261		µg/Kg-dry	1	9/19/2011 1:00:00 PM
4-Bromophenyl phenyl ether	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Hexachlorobenzene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Pentachlorophenol	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Phenanthrene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Anthracene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Carbazole	ND	653		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Di-n-butylphthalate	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Fluoranthene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Pyrene	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Butyl Benzylphthalate	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
bis(2-Ethylhexyl)adipate	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Benz (a) anthracene	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Chrysene	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
bis (2-Ethylhexyl) phthalate	ND	131		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Di-n-octyl phthalate	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Benzo (b) fluoranthene	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Benzo (k) fluoranthene	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Benzo (a) pyrene	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Indeno (1,2,3-cd) pyrene	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Dibenz (a,h) anthracene	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Benzo (g,h,i) perylene	ND	104		µg/Kg-dry	1	9/19/2011 1:00:00 PM
Surr: 2,4,6-Tribromophenol	118	40-140		%REC	1	9/19/2011 1:00:00 PM
Surr: 2-Fluorobiphenyl	93.0	50-130		%REC	1	9/19/2011 1:00:00 PM
Surr: 2-Fluorophenol	102	40-140		%REC	1	9/19/2011 1:00:00 PM
Surr: Nitrobenzene-d5	94.7	50-130		%REC	1	9/19/2011 1:00:00 PM
Surr: Phenol-d6	114	50-140		%REC	1	9/19/2011 1:00:00 PM
Surr: p-Terphenyl	77.3	40-130		%REC	1	9/19/2011 1:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1109061-001

**Matrix:** Soil

**Client Sample ID:** HS-22-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1160

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0646		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Chloromethane	ND	0.0646		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Vinyl chloride	ND	0.00215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Bromomethane	ND	0.0969		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0539		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Chloroethane	ND	0.0646		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,1-Dichloroethene	ND	0.0539		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Methylene chloride	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
trans-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,1-Dichloroethane	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
2,2-Dichloropropane	ND	0.0539		mg/Kg-dry	1	9/20/2011 12:26:00 PM
cis-1,2-Dichloroethene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Chloroform	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Trichloroethane (TCA)	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,1-Dichloropropene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Carbon tetrachloride	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2-Dichloroethane	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Benzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Trichloroethene (TCE)	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2-Dichloropropane	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Bromodichloromethane	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Dibromomethane	ND	0.0431		mg/Kg-dry	1	9/20/2011 12:26:00 PM
cis-1,3-Dichloropropene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Toluene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
trans-1,3-Dichloropropylene	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,1,2-Trichloroethane	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,3-Dichloropropane	ND	0.0539		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Tetrachloroethene (PCE)	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Dibromochloromethane	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2-Dibromoethane (EDB)	ND	0.00539		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Chlorobenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Ethylbenzene	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
m,p-Xylene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
o-Xylene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:00:00 PM

**Project:** Hytec

**Lab ID:** 1109061-001

**Matrix:** Soil

**Client Sample ID:** HS-22-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1160

Analyst: PH

Styrene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Isopropylbenzene	ND	0.0862		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Bromoform	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
n-Propylbenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Bromobenzene	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,3,5-Trimethylbenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
2-Chlorotoluene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
4-Chlorotoluene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
tert-Butylbenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2,3-Trichloropropane	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2,4-Trichlorobenzene	ND	0.0539		mg/Kg-dry	1	9/20/2011 12:26:00 PM
sec-Butylbenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
4-Isopropyltoluene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Chloroprene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,3-Dichlorobenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,4-Dichlorobenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
n-Butylbenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2-Dichlorobenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2,4-Trimethylbenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Hexachloro-1,3-butadiene	ND	0.108		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Naphthalene	ND	0.0323		mg/Kg-dry	1	9/20/2011 12:26:00 PM
1,2,3-Trichlorobenzene	ND	0.0215		mg/Kg-dry	1	9/20/2011 12:26:00 PM
Surr: 1-Bromo-4-fluorobenzene	97.1	72-135		%REC	1	9/20/2011 12:26:00 PM
Surr: Dibromofluoromethane	101	75.1-135		%REC	1	9/20/2011 12:26:00 PM
Surr: Toluene-d8	96.2	76.5-134		%REC	1	9/20/2011 12:26:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1125

Analyst: BR

Cadmium	1.52	0.203		mg/Kg-dry	1	9/15/2011 4:32:07 PM
Lead	4.20	0.203		mg/Kg-dry	1	9/15/2011 4:32:07 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/14/2011 3:10:00 PM

**Project:** Hytec

**Lab ID:** 1109061-002

**Matrix:** Soil

**Client Sample ID:** HS-23-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1126

Analyst: SG

Phenol	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Bis(2-chloroethyl) ether	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2-Chlorophenol	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
1,3-Dichlorobenzene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
1,4-Dichlorobenzene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
1,2-Dichlorobenzene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Benzyl alcohol	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2-Methylphenol (o-cresol)	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Hexachloroethane	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
N-Nitrosodi-n-propylamine	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Nitrobenzene	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Isophorone	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
4-Methylphenol	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2-Nitrophenol	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2,4-Dimethylphenol	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Bis(2-chloroethoxy)methane	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2,4-Dichlorophenol	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
1,2,4-Trichlorobenzene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Naphthalene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
4-Chloroaniline	ND	497		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Hexachlorobutadiene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
4-Chloro-3-methylphenol	ND	497		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2-Methylnaphthalene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
1-Methylnaphthalene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Hexachlorocyclopentadiene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2,4,6-Trichlorophenol	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2,4,5-Trichlorophenol	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2-Chloronaphthalene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2-Nitroaniline	ND	497		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Acenaphthene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Dimethylphthalate	8,580	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2,6-Dinitrotoluene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Acenaphthylene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
2,4-Dinitrophenol	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Dibenzofuran	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:10:00 PM

**Project:** Hytec

**Lab ID:** 1109061-002

**Matrix:** Soil

**Client Sample ID:** HS-23-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1126

Analyst: SG

2,4-Dinitrotoluene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
4-Nitrophenol	ND	497		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Fluorene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
4-Chlorophenyl phenyl ether	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Diethylphthalate	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
4,6-Dinitro-2-methylphenol	ND	199		µg/Kg-dry	1	9/19/2011 1:22:00 PM
4-Bromophenyl phenyl ether	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Hexachlorobenzene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Pentachlorophenol	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Phenanthrene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Anthracene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Carbazole	ND	497		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Di-n-butylphthalate	188	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Fluoranthene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Pyrene	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Butyl Benzylphthalate	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
bis(2-Ethylhexyl)adipate	ND	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Benz (a) anthracene	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Chrysene	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
bis (2-Ethylhexyl) phthalate	192	99.3		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Di-n-octyl phthalate	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Benzo (b) fluoranthene	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Benzo (k) fluoranthene	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Benzo (a) pyrene	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Indeno (1,2,3-cd) pyrene	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Dibenz (a,h) anthracene	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Benzo (g,h,i) perylene	ND	79.5		µg/Kg-dry	1	9/19/2011 1:22:00 PM
Surr: 2,4,6-Tribromophenol	62.2	40-140		%REC	1	9/19/2011 1:22:00 PM
Surr: 2-Fluorobiphenyl	51.1	50-130		%REC	1	9/19/2011 1:22:00 PM
Surr: 2-Fluorophenol	66.6	40-140		%REC	1	9/19/2011 1:22:00 PM
Surr: Nitrobenzene-d5	65.0	50-130		%REC	1	9/19/2011 1:22:00 PM
Surr: Phenol-d6	62.7	50-140		%REC	1	9/19/2011 1:22:00 PM
Surr: p-Terphenyl	29.4	40-130	S	%REC	1	9/19/2011 1:22:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:10:00 PM

**Project:** Hytec

**Lab ID:** 1109061-002

**Matrix:** Soil

**Client Sample ID:** HS-23-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1160

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0548		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Chloromethane	ND	0.0548		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Vinyl chloride	ND	0.00183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Bromomethane	ND	0.0822		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0457		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Chloroethane	ND	0.0548		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,1-Dichloroethene	ND	0.0457		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Methylene chloride	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
trans-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,1-Dichloroethane	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
2,2-Dichloropropane	ND	0.0457		mg/Kg-dry	1	9/20/2011 12:48:00 PM
cis-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Chloroform	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Trichloroethane (TCA)	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,1-Dichloropropene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Carbon tetrachloride	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2-Dichloroethane	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Benzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Trichloroethene (TCE)	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2-Dichloropropane	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Bromodichloromethane	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Dibromomethane	ND	0.0365		mg/Kg-dry	1	9/20/2011 12:48:00 PM
cis-1,3-Dichloropropene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Toluene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
trans-1,3-Dichloropropylene	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,1,2-Trichloroethane	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,3-Dichloropropane	ND	0.0457		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Tetrachloroethene (PCE)	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Dibromochloromethane	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2-Dibromoethane (EDB)	ND	0.00457		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Chlorobenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Ethylbenzene	0.0658	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
m,p-Xylene	0.0516	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
o-Xylene	0.0507	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:10:00 PM

**Project:** Hytec

**Lab ID:** 1109061-002

**Matrix:** Soil

**Client Sample ID:** HS-23-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1160

Analyst: PH

Styrene	1.52	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Isopropylbenzene	ND	0.0731		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Bromoform	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
n-Propylbenzene	0.0228	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Bromobenzene	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,3,5-Trimethylbenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
2-Chlorotoluene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
4-Chlorotoluene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
tert-Butylbenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2,3-Trichloropropane	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2,4-Trichlorobenzene	ND	0.0457		mg/Kg-dry	1	9/20/2011 12:48:00 PM
sec-Butylbenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
4-Isopropyltoluene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Chloroprene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,3-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,4-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
n-Butylbenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2-Dichlorobenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2,4-Trimethylbenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Hexachloro-1,3-butadiene	ND	0.0913		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Naphthalene	ND	0.0274		mg/Kg-dry	1	9/20/2011 12:48:00 PM
1,2,3-Trichlorobenzene	ND	0.0183		mg/Kg-dry	1	9/20/2011 12:48:00 PM
Surr: 1-Bromo-4-fluorobenzene	95.0	72-135		%REC	1	9/20/2011 12:48:00 PM
Surr: Dibromofluoromethane	108	75.1-135		%REC	1	9/20/2011 12:48:00 PM
Surr: Toluene-d8	107	76.5-134		%REC	1	9/20/2011 12:48:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1125

Analyst: BR

Cadmium	ND	0.150		mg/Kg-dry	1	9/15/2011 4:38:02 PM
Lead	3.61	0.150		mg/Kg-dry	1	9/15/2011 4:38:02 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:22:00 PM

**Project:** Hytec

**Lab ID:** 1109061-003

**Matrix:** Soil

**Client Sample ID:** HS-24-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1126

Analyst: SG

Phenol	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Bis(2-chloroethyl) ether	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2-Chlorophenol	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
1,3-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
1,4-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
1,2-Dichlorobenzene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Benzyl alcohol	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2-Methylphenol (o-cresol)	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Hexachloroethane	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
N-Nitrosodi-n-propylamine	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Nitrobenzene	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Isophorone	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
4-Methylphenol	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2-Nitrophenol	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2,4-Dimethylphenol	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Bis(2-chloroethoxy)methane	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2,4-Dichlorophenol	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
1,2,4-Trichlorobenzene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Naphthalene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
4-Chloroaniline	ND	506		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Hexachlorobutadiene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
4-Chloro-3-methylphenol	ND	506		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2-Methylnaphthalene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
1-Methylnaphthalene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Hexachlorocyclopentadiene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2,4,6-Trichlorophenol	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2,4,5-Trichlorophenol	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2-Chloronaphthalene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2-Nitroaniline	ND	506		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Acenaphthene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Dimethylphthalate	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2,6-Dinitrotoluene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Acenaphthylene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
2,4-Dinitrophenol	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Dibenzofuran	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:22:00 PM

**Project:** Hytec

**Lab ID:** 1109061-003

**Matrix:** Soil

**Client Sample ID:** HS-24-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 1126

Analyst: SG

2,4-Dinitrotoluene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
4-Nitrophenol	ND	506		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Fluorene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
4-Chlorophenyl phenyl ether	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Diethylphthalate	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
4,6-Dinitro-2-methylphenol	ND	202		µg/Kg-dry	1	9/19/2011 2:17:00 PM
4-Bromophenyl phenyl ether	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Hexachlorobenzene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Pentachlorophenol	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Phenanthrene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Anthracene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Carbazole	ND	506		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Di-n-butylphthalate	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Fluoranthene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Pyrene	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Butyl Benzylphthalate	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
bis(2-Ethylhexyl)adipate	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Benz (a) anthracene	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Chrysene	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
bis (2-Ethylhexyl) phthalate	ND	101		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Di-n-octyl phthalate	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Benzo (b) fluoranthene	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Benzo (k) fluoranthene	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Benzo (a) pyrene	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Indeno (1,2,3-cd) pyrene	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Dibenz (a,h) anthracene	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Benzo (g,h,i) perylene	ND	80.9		µg/Kg-dry	1	9/19/2011 2:17:00 PM
Surr: 2,4,6-Tribromophenol	121	40-140		%REC	1	9/19/2011 2:17:00 PM
Surr: 2-Fluorobiphenyl	67.2	50-130		%REC	1	9/19/2011 2:17:00 PM
Surr: 2-Fluorophenol	102	40-140		%REC	1	9/19/2011 2:17:00 PM
Surr: Nitrobenzene-d5	65.0	50-130		%REC	1	9/19/2011 2:17:00 PM
Surr: Phenol-d6	86.3	50-140		%REC	1	9/19/2011 2:17:00 PM
Surr: p-Terphenyl	48.2	40-130		%REC	1	9/19/2011 2:17:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1109061

Date Reported: 9/20/2011

**Client:** Calibre

**Collection Date:** 9/14/2011 3:22:00 PM

**Project:** Hytec

**Lab ID:** 1109061-003

**Matrix:** Soil

**Client Sample ID:** HS-24-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1160

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	0.0460		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Chloromethane	ND	0.0460		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Vinyl chloride	ND	0.00153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Bromomethane	ND	0.0691		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Trichlorofluoromethane (CFC-11)	ND	0.0384		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Chloroethane	ND	0.0460		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,1-Dichloroethene	ND	0.0384		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Methylene chloride	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
trans-1,2-Dichloroethene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,1-Dichloroethane	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
2,2-Dichloropropane	ND	0.0384		mg/Kg-dry	1	9/20/2011 1:32:00 PM
cis-1,2-Dichloroethene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Chloroform	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Trichloroethane (TCA)	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,1-Dichloropropene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Carbon tetrachloride	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2-Dichloroethane	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Benzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Trichloroethene (TCE)	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2-Dichloropropane	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Bromodichloromethane	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Dibromomethane	ND	0.0307		mg/Kg-dry	1	9/20/2011 1:32:00 PM
cis-1,3-Dichloropropene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Toluene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
trans-1,3-Dichloropropylene	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,1,2-Trichloroethane	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,3-Dichloropropane	ND	0.0384		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Tetrachloroethene (PCE)	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Dibromochloromethane	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2-Dibromoethane (EDB)	ND	0.00384		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Chlorobenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,1,1,2-Tetrachloroethane	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Ethylbenzene	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
m,p-Xylene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
o-Xylene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 9/14/2011 3:22:00 PM

**Project:** Hytec

**Lab ID:** 1109061-003

**Matrix:** Soil

**Client Sample ID:** HS-24-09.14.11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: 1160

Analyst: PH

Styrene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Isopropylbenzene	ND	0.0614		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Bromoform	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,1,2,2-Tetrachloroethane	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
n-Propylbenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Bromobenzene	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,3,5-Trimethylbenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
2-Chlorotoluene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
4-Chlorotoluene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
tert-Butylbenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2,3-Trichloropropane	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2,4-Trichlorobenzene	ND	0.0384		mg/Kg-dry	1	9/20/2011 1:32:00 PM
sec-Butylbenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
4-Isopropyltoluene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Chloroprene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,3-Dichlorobenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,4-Dichlorobenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
n-Butylbenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2-Dichlorobenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2-Dibromo-3-chloropropane	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2,4-Trimethylbenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Hexachloro-1,3-butadiene	ND	0.0767		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Naphthalene	ND	0.0230		mg/Kg-dry	1	9/20/2011 1:32:00 PM
1,2,3-Trichlorobenzene	ND	0.0153		mg/Kg-dry	1	9/20/2011 1:32:00 PM
Surr: 1-Bromo-4-fluorobenzene	104	72-135		%REC	1	9/20/2011 1:32:00 PM
Surr: Dibromofluoromethane	102	75.1-135		%REC	1	9/20/2011 1:32:00 PM
Surr: Toluene-d8	104	76.5-134		%REC	1	9/20/2011 1:32:00 PM

**Total Metals by EPA Method 6020**

Batch ID: 1125

Analyst: BR

Cadmium	ND	0.157		mg/Kg-dry	1	9/15/2011 4:43:56 PM
Lead	2.07	0.157		mg/Kg-dry	1	9/15/2011 4:43:56 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 6020**

Sample ID: <b>MB-1125</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>				Prep Date: <b>9/15/2011</b>	RunNo: <b>1848</b>				
Client ID: <b>MBLKS</b>	Batch ID: <b>1125</b>					Analysis Date: <b>9/15/2011</b>	SeqNo: <b>33184</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.200									
Lead	ND	0.200									

Sample ID: <b>LCS-1125</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>				Prep Date: <b>9/15/2011</b>	RunNo: <b>1848</b>				
Client ID: <b>LCSS</b>	Batch ID: <b>1125</b>					Analysis Date: <b>9/15/2011</b>	SeqNo: <b>33185</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.50	0.200	2.500	0	99.9	80	120				
Lead	25.9	0.200	25.00	0	104	80	120				

Sample ID: <b>1109061-003BDUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>9/15/2011</b>	RunNo: <b>1848</b>				
Client ID: <b>HS-24-09.14.11</b>	Batch ID: <b>1125</b>					Analysis Date: <b>9/15/2011</b>	SeqNo: <b>33189</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	ND	0.157						0	0	30	
Lead	2.09	0.157						2.067	1.31	30	

Sample ID: <b>1109061-003BMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>9/15/2011</b>	RunNo: <b>1848</b>				
Client ID: <b>HS-24-09.14.11</b>	Batch ID: <b>1125</b>					Analysis Date: <b>9/15/2011</b>	SeqNo: <b>33190</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cadmium	2.05	0.164	2.046	0.1101	94.8	75	125				
Lead	24.1	0.164	20.46	2.067	108	75	125				

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Total Metals by EPA Method 6020

Sample ID: 1109061-003BMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 9/15/2011	RunNo: 1848
Client ID: HS-24-09.14.11	Batch ID: 1125	Analysis Date: 9/15/2011	SeqNo: 33191	

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	2.11	0.159	1.983	0.1101	101	75	125	2.051	2.76	30	
Lead	25.8	0.159	19.83	2.067	120	75	125	24.06	6.99	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Date: 9/20/2011

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1109061-003BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/15/2011</b>	RunNo: <b>1885</b>
Client ID: <b>HS-24-09.14.11</b>	Batch ID: <b>1126</b>		Analysis Date: <b>9/19/2011</b>	SeqNo: <b>33611</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	200						0	0	50	
Bis(2-chloroethyl) ether	ND	200						0	0	50	
2-Chlorophenol	ND	99.9						0	0	50	
1,3-Dichlorobenzene	ND	99.9						0	0	50	
1,4-Dichlorobenzene	ND	99.9						0	0	50	
1,2-Dichlorobenzene	ND	99.9						0	0	50	
Benzyl alcohol	ND	99.9						0	0	50	
2-Methylphenol (o-cresol)	ND	99.9						0	0	50	
Hexachloroethane	ND	99.9						0	0	50	
N-Nitrosodi-n-propylamine	ND	99.9						0	0	50	
Nitrobenzene	ND	200						0	0	50	
Isophorone	ND	99.9						0	0	50	
4-Methylphenol	ND	99.9						0	0	50	
2-Nitrophenol	ND	200						0	0	50	
2,4-Dimethylphenol	ND	99.9						0	0	50	
Bis(2-chloroethoxy)methane	ND	99.9						0	0	50	
2,4-Dichlorophenol	ND	200						0	0	50	
1,2,4-Trichlorobenzene	ND	99.9						0	0	50	
Naphthalene	ND	99.9						0	0	50	
4-Chloroaniline	ND	499						0	0	50	
Hexachlorobutadiene	ND	99.9						0	0	50	
4-Chloro-3-methylphenol	ND	499						0	0	50	
2-Methylnaphthalene	ND	99.9						0	0	50	
1-Methylnaphthalene	ND	99.9						0	0	50	
Hexachlorocyclopentadiene	ND	99.9						0	0	50	
2,4,6-Trichlorophenol	ND	200						0	0	50	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: 1109061-003BDUP	SampType: DUP	Units: µg/Kg-dry	Prep Date: 9/15/2011	RunNo: 1885							
Client ID: HS-24-09.14.11	Batch ID: 1126		Analysis Date: 9/19/2011	SeqNo: 33611							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-Trichlorophenol	ND	200						0	0	50	
2-Chloronaphthalene	ND	99.9						0	0	50	
2-Nitroaniline	ND	499						0	0	50	
Acenaphthene	ND	99.9						0	0	50	
Dimethylphthalate	ND	99.9						0	0	50	
2,6-Dinitrotoluene	ND	99.9						0	0	50	
Acenaphthylene	ND	99.9						0	0	50	
2,4-Dinitrophenol	ND	200						0	0	50	
Dibenzofuran	ND	99.9						0	0	50	
2,4-Dinitrotoluene	ND	99.9						0	0	50	
4-Nitrophenol	ND	499						0	0	50	
Fluorene	ND	99.9						0	0	50	
4-Chlorophenyl phenyl ether	ND	99.9						0	0	50	
Diethylphthalate	ND	99.9						0	0	50	
4,6-Dinitro-2-methylphenol	ND	200						0	0	50	
4-Bromophenyl phenyl ether	ND	99.9						0	0	50	
Hexachlorobenzene	ND	99.9						0	0	50	
Pentachlorophenol	ND	99.9						0	0	50	
Phenanthrene	ND	99.9						0	0	50	
Anthracene	ND	99.9						0	0	50	
Carbazole	ND	499						0	0	50	
Di-n-butylphthalate	ND	99.9						0	0	50	
Fluoranthene	ND	99.9						0	0	50	
Pyrene	ND	99.9						0	0	50	
Butyl Benzylphthalate	ND	99.9						0	0	50	
bis(2-Ethylhexyl)adipate	ND	99.9						0	0	50	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: <b>1109061-003BDUP</b> SampType: <b>DUP</b> Units: <b>µg/Kg-dry</b> Prep Date: <b>9/15/2011</b> RunNo: <b>1885</b> Client ID: <b>HS-24-09.14.11</b> Batch ID: <b>1126</b> Analysis Date: <b>9/19/2011</b> SeqNo: <b>33611</b>											
Benz (a) anthracene	ND	79.9						0	0	50	
Chrysene	ND	79.9						0	0	50	
bis (2-Ethylhexyl) phthalate	ND	99.9						0	0	50	
Di-n-octyl phthalate	ND	79.9						0	0	50	
Benzo (b) fluoranthene	ND	79.9						0	0	50	
Benzo (k) fluoranthene	ND	79.9						0	0	50	
Benzo (a) pyrene	ND	79.9						0	0	50	
Indeno (1,2,3-cd) pyrene	ND	79.9						0	0	50	
Dibenz (a,h) anthracene	ND	79.9						0	0	50	
Benzo (g,h,i) perylene	ND	79.9						0	0	50	
Surr: 2,4,6-Tribromophenol	1,070		998.8		107	40	140		0		
Surr: 2-Fluorobiphenyl	419		499.4		84.0	50	130		0		
Surr: 2-Fluorophenol	1,110		998.8		111	40	140		0		
Surr: Nitrobenzene-d5	418		499.4		83.6	50	130		0		
Surr: Phenol-d6	965		998.8		96.6	50	140		0		
Surr: p-Terphenyl	298		499.4		59.8	40	130		0		

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID: <b>1109061-003BMS</b> SampType: <b>MS</b> Units: <b>µg/Kg-dry</b> Prep Date: <b>9/15/2011</b> RunNo: <b>1885</b> Client ID: <b>HS-24-09.14.11</b> Batch ID: <b>1126</b> Analysis Date: <b>9/19/2011</b> SeqNo: <b>33613</b>											
Phenol	851	203	1,014	0	83.9	40	140				
2-Chlorophenol	850	101	1,014	0	83.8	40	140				
1,4-Dichlorobenzene	306	101	507.0	0	60.3	50	130				
N-Nitrosodi-n-propylamine	393	101	507.0	0	77.6	50	130				
1,2,4-Trichlorobenzene	261	101	507.0	0	51.5	50	130				

**Qualifiers:** E Value above quantitation range    H Holding times for preparation or analysis exceeded    J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit    R RPD outside accepted recovery limits    RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1109061

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>1109061-003BMS</b>	SampType: <b>MS</b>	Units: <b>µg/Kg-dry</b>	Prep Date: <b>9/15/2011</b>	RunNo: <b>1885</b>							
Client ID: <b>HS-24-09.14.11</b>	Batch ID: <b>1126</b>		Analysis Date: <b>9/19/2011</b>	SeqNo: <b>33613</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	1,180	507	1,014	0	116	40	140				
Acenaphthene	418	101	507.0	0	82.5	50	130				
2,4-Dinitrotoluene	280	101	507.0	0	55.3	50	130				
Pentachlorophenol	771	101	1,014	0	76.1	40	140				
Pyrene	305	101	507.0	0	60.1	50	130				
Surr: 2,4,6-Tribromophenol	1,280		1,014		126	40	140				
Surr: 2-Fluorobiphenyl	453		507.0		89.4	50	130				
Surr: 2-Fluorophenol	1,310		1,014		129	40	140				
Surr: Nitrobenzene-d5	427		507.0		84.2	50	130				
Surr: Phenol-d6	1,180		1,014		117	50	140				
Surr: p-Terphenyl	386		507.0		76.1	40	130				

Sample ID: <b>MB-1126</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/15/2011</b>	RunNo: <b>1885</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>1126</b>		Analysis Date: <b>9/19/2011</b>	SeqNo: <b>33616</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	200									
Bis(2-chloroethyl) ether	ND	200									
2-Chlorophenol	ND	100									
1,3-Dichlorobenzene	ND	100									
1,4-Dichlorobenzene	ND	100									
1,2-Dichlorobenzene	ND	100									
Benzyl alcohol	ND	100									
2-Methylphenol (o-cresol)	ND	100									
Hexachloroethane	ND	100									
N-Nitrosodi-n-propylamine	ND	100									

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1109061  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>MB-1126</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/15/2011</b>	RunNo: <b>1885</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1126</b>		Analysis Date: <b>9/19/2011</b>	SeqNo: <b>33616</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	ND	200									
Isophorone	ND	100									
4-Methylphenol	ND	100									
2-Nitrophenol	ND	200									
2,4-Dimethylphenol	ND	100									
Bis(2-chloroethoxy)methane	ND	100									
2,4-Dichlorophenol	ND	200									
1,2,4-Trichlorobenzene	ND	100									
Naphthalene	ND	100									
4-Chloroaniline	ND	500									
Hexachlorobutadiene	ND	100									
4-Chloro-3-methylphenol	ND	500									
2-Methylnaphthalene	ND	100									
1-Methylnaphthalene	ND	100									
Hexachlorocyclopentadiene	ND	100									
2,4,6-Trichlorophenol	ND	200									
2,4,5-Trichlorophenol	ND	200									
2-Chloronaphthalene	ND	100									
2-Nitroaniline	ND	500									
Acenaphthene	ND	100									
Dimethylphthalate	ND	100									
2,6-Dinitrotoluene	ND	100									
Acenaphthylene	ND	100									
2,4-Dinitrophenol	ND	200									
Dibenzofuran	ND	100									
2,4-Dinitrotoluene	ND	100									

**Qualifiers:**

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not detected at the Reporting Limit	R	RPD outside accepted recovery limits	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits				

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1126</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/15/2011</b>	RunNo: <b>1885</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1126</b>		Analysis Date: <b>9/19/2011</b>	SeqNo: <b>33616</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	500									
Fluorene	ND	100									
4-Chlorophenyl phenyl ether	ND	100									
Diethylphthalate	ND	100									
4,6-Dinitro-2-methylphenol	ND	200									
4-Bromophenyl phenyl ether	ND	100									
Hexachlorobenzene	ND	100									
Pentachlorophenol	ND	100									
Phenanthrene	ND	100									
Anthracene	ND	100									
Carbazole	ND	500									
Di-n-butylphthalate	ND	100									
Fluoranthene	ND	100									
Pyrene	ND	100									
Butyl Benzylphthalate	ND	100									
bis(2-Ethylhexyl)adipate	ND	100									
Benz (a) anthracene	ND	80.0									
Chrysene	ND	80.0									
bis (2-Ethylhexyl) phthalate	ND	100									
Di-n-octyl phthalate	ND	80.0									
Benzo (b) fluoranthene	ND	80.0									
Benzo (k) fluoranthene	ND	80.0									
Benzo (a) pyrene	ND	80.0									
Indeno (1,2,3-cd) pyrene	ND	80.0									
Dibenz (a,h) anthracene	ND	80.0									
Benzo (g,h,i) perylene	ND	80.0									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: <b>MB-1126</b>	SampType: <b>MBLK</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/15/2011</b>	RunNo: <b>1885</b>							
Client ID: <b>MBLKS</b>	Batch ID: <b>1126</b>		Analysis Date: <b>9/19/2011</b>	SeqNo: <b>33616</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 2,4,6-Tribromophenol	1,160		1,000		116	40	140				
Surr: 2-Fluorobiphenyl	475		500.0		94.9	50	130				
Surr: 2-Fluorophenol	1,140		1,000		114	40	140				
Surr: Nitrobenzene-d5	467		500.0		93.4	50	130				
Surr: Phenol-d6	1,060		1,000		106	50	140				
Surr: p-Terphenyl	409		500.0		81.7	40	130				

Sample ID: <b>LCS-1126</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/15/2011</b>	RunNo: <b>1885</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1126</b>		Analysis Date: <b>9/19/2011</b>	SeqNo: <b>33670</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	893	200	1,000	0	89.3	40	140				
2-Chlorophenol	898	100	1,000	0	89.8	40	140				
1,4-Dichlorobenzene	392	100	500.0	0	78.4	50	130				
N-Nitrosodi-n-propylamine	411	100	500.0	0	82.1	50	130				
1,2,4-Trichlorobenzene	306	100	500.0	0	61.3	50	130				
4-Chloro-3-methylphenol	959	500	1,000	0	95.9	40	140				
Acenaphthene	458	100	500.0	0	91.6	50	130				
2,4-Dinitrotoluene	311	100	500.0	0	62.3	50	130				
Pentachlorophenol	651	100	1,000	0	65.1	40	140				
Pyrene	369	100	500.0	0	73.7	50	130				
Surr: 2,4,6-Tribromophenol	1,290		1,000		129	40	140				
Surr: 2-Fluorobiphenyl	462		500.0		92.3	50	130				
Surr: 2-Fluorophenol	1,130		1,000		113	40	140				
Surr: Nitrobenzene-d5	453		500.0		90.5	50	130				
Surr: Phenol-d6	1,190		1,000		119	50	140				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061  
 CLIENT: Calibre  
 Project: Hytec

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>LCS-1126</b>	SampType: <b>LCS</b>	Units: <b>µg/Kg</b>	Prep Date: <b>9/15/2011</b>	RunNo: <b>1885</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>1126</b>		Analysis Date: <b>9/19/2011</b>	SeqNo: <b>33670</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: p-Terphenyl	416		500.0		83.2	40	130				

**Qualifiers:**

E Value above quantitation range	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not detected at the Reporting Limit	R RPD outside accepted recovery limits	RL Reporting Limit
S Spike recovery outside accepted recovery limits		

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-1160</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/14/2011</b>	RunNo: <b>1899</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1160</b>		Analysis Date: <b>9/20/2011</b>	SeqNo: <b>33735</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0600									
Chloromethane	ND	0.0600									
Vinyl chloride	ND	0.00200									
Bromomethane	ND	0.0900									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.0600									
1,1-Dichloroethene	ND	0.0500									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
2,2-Dichloropropane	ND	0.0500									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane	ND	0.0300									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0300									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0400									
cis-1,3-Dichloropropene	ND	0.0200									
Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0300									
1,1,2-Trichloroethane	ND	0.0300									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-1160</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>	Prep Date: <b>9/14/2011</b>	RunNo: <b>1899</b>
Client ID: <b>MBLKS</b>	Batch ID: <b>1160</b>		Analysis Date: <b>9/20/2011</b>	SeqNo: <b>33735</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0500									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0300									
Ethylbenzene	ND	0.0300									
m,p-Xylene	ND	0.0200									
o-Xylene	ND	0.0200									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0800									
Bromoform	ND	0.0200									
1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0200									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0200									
1,2,4-Trichlorobenzene	ND	0.0500									
sec-Butylbenzene	ND	0.0200									
4-Isopropyltoluene	ND	0.0200									
Chloroprene	ND	0.0200									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>MB-1160</b>	SampType: <b>MBLK</b>	Units: <b>mg/Kg</b>				Prep Date: <b>9/14/2011</b>	RunNo: <b>1899</b>				
Client ID: <b>MBLKS</b>	Batch ID: <b>1160</b>					Analysis Date: <b>9/20/2011</b>	SeqNo: <b>33735</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									
1,2-Dibromo-3-chloropropane	ND	0.0300									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.100									
Naphthalene	ND	0.0300									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: 1-Bromo-4-fluorobenzene	0.528		0.5000		106	72	135				
Surr: Dibromofluoromethane	0.528		0.5000		106	75.1	135				
Surr: Toluene-d8	0.513		0.5000		103	76.5	134				

Sample ID: <b>LCS-1160</b>	SampType: <b>LCS</b>	Units: <b>mg/Kg</b>				Prep Date: <b>9/14/2011</b>	RunNo: <b>1899</b>				
Client ID: <b>LCSS</b>	Batch ID: <b>1160</b>					Analysis Date: <b>9/20/2011</b>	SeqNo: <b>33736</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.524	0.0500	0.5000	0	105	65	135				
Benzene	0.557	0.0200	0.5000	0	111	65	135				
Trichloroethene (TCE)	0.398	0.0300	0.5000	0	79.7	65	135				
Toluene	0.557	0.0200	0.5000	0	111	65	135				
Tetrachloroethene (PCE)	0.362	0.0200	0.4000	0	90.5	65	135				
Chlorobenzene	0.520	0.0200	0.5000	0	104	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.468		0.5000		93.7	72	144				
Surr: Dibromofluoromethane	0.502		0.5000		100	75.1	137				
Surr: Toluene-d8	0.508		0.5000		102	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits



Work Order: 1109061

CLIENT: Calibre

Project: Hytec

## QC SUMMARY REPORT

### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1109061-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/14/2011	RunNo: 1899							
Client ID: HS-23-09.14.11	Batch ID: 1160		Analysis Date: 9/20/2011	SeqNo: 33739							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0548						0	0	30	
Chloromethane	ND	0.0548						0	0	30	
Vinyl chloride	ND	0.00183						0	0	30	
Bromomethane	ND	0.0822						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0457						0	0	30	
Chloroethane	ND	0.0548						0	0	30	
1,1-Dichloroethene	ND	0.0457						0	0	30	
Methylene chloride	ND	0.0183						0	0	30	
trans-1,2-Dichloroethene	ND	0.0183						0	0	30	
1,1-Dichloroethane	ND	0.0183						0	0	30	
2,2-Dichloropropane	ND	0.0457						0	0	30	
cis-1,2-Dichloroethene	ND	0.0183						0	0	30	
Chloroform	ND	0.0183						0	0	30	
Trichloroethane (TCA)	ND	0.0183						0	0	30	
1,1-Dichloropropene	ND	0.0183						0	0	30	
Carbon tetrachloride	ND	0.0183						0	0	30	
1,2-Dichloroethane	ND	0.0274						0	0	30	
Benzene	ND	0.0183						0	0	30	
Trichloroethene (TCE)	ND	0.0274						0	0	30	
1,2-Dichloropropane	ND	0.0183						0	0	30	
Bromodichloromethane	ND	0.0183						0	0	30	
Dibromomethane	ND	0.0365						0	0	30	
cis-1,3-Dichloropropene	ND	0.0183						0	0	30	
Toluene	ND	0.0183						0	0	30	
trans-1,3-Dichloropropylene	ND	0.0274						0	0	30	
1,1,2-Trichloroethane	ND	0.0274						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: 1109061-002ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 9/14/2011	RunNo: 1899							
Client ID: HS-23-09.14.11	Batch ID: 1160		Analysis Date: 9/20/2011	SeqNo: 33739							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichloropropane	ND	0.0457						0	0	30	
Tetrachloroethene (PCE)	ND	0.0183						0	0	30	
Dibromochloromethane	ND	0.0274						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.00457						0	0	30	
Chlorobenzene	ND	0.0183						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0274						0	0	30	
Ethylbenzene	0.0571	0.0274						0.06576	14.1	30	
m,p-Xylene	0.0457	0.0183						0.05160	12.2	30	
o-Xylene	0.0416	0.0183						0.05069	19.8	30	
Styrene	1.22	0.0183						1.524	22.5	30	
Isopropylbenzene	ND	0.0731						0	0	30	
Bromoform	ND	0.0183						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0183						0	0	30	
n-Propylbenzene	0.0210	0.0183						0.02283	8.33	30	
Bromobenzene	ND	0.0274						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0183						0	0	30	
2-Chlorotoluene	ND	0.0183						0	0	30	
4-Chlorotoluene	ND	0.0183						0	0	30	
tert-Butylbenzene	ND	0.0183						0	0	30	
1,2,3-Trichloropropane	ND	0.0183						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0457						0	0	30	
sec-Butylbenzene	ND	0.0183						0	0	30	
4-Isopropyltoluene	ND	0.0183						0	0	30	
Chloroprene	ND	0.0183						0	0	30	
1,3-Dichlorobenzene	ND	0.0183						0	0	30	
1,4-Dichlorobenzene	ND	0.0183						0	0	30	

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1109061

CLIENT: Calibre

Project: Hytec

### QC SUMMARY REPORT

#### Volatile Organic Compounds by EPA Method 8260

Sample ID: <b>1109061-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>9/14/2011</b>	RunNo: <b>1899</b>				
Client ID: <b>HS-23-09.14.11</b>	Batch ID: <b>1160</b>					Analysis Date: <b>9/20/2011</b>	SeqNo: <b>33739</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	ND	0.0183						0	0	30	
1,2-Dichlorobenzene	ND	0.0183						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0274						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0183						0	0	30	
Hexachloro-1,3-butadiene	ND	0.0913						0	0	30	
Naphthalene	ND	0.0274						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0183						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	0.471		0.4567		103	72	135		0		
Surr: Dibromofluoromethane	0.486		0.4567		106	75.1	135		0		
Surr: Toluene-d8	0.507		0.4567		111	76.5	134		0		

Sample ID: <b>1109061-003AMS</b>	SampType: <b>MS</b>	Units: <b>mg/Kg-dry</b>				Prep Date: <b>9/14/2011</b>	RunNo: <b>1899</b>				
Client ID: <b>HS-24-09.14.11</b>	Batch ID: <b>1160</b>					Analysis Date: <b>9/20/2011</b>	SeqNo: <b>33741</b>				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	0.394	0.0384	0.3836	0	103	65	135				
Benzene	0.405	0.0153	0.3836	0	106	65	135				
Trichloroethene (TCE)	0.315	0.0230	0.3836	0	82.0	65	135				
Toluene	0.411	0.0153	0.3836	0	107	65	135				
Tetrachloroethene (PCE)	0.287	0.0153	0.3069	0	93.4	65	135				
Chlorobenzene	0.348	0.0153	0.3836	0	90.7	65	135				
Surr: 1-Bromo-4-fluorobenzene	0.364		0.3836		94.9	72	144				
Surr: Dibromofluoromethane	0.404		0.3836		105	75.1	137				
Surr: Toluene-d8	0.423		0.3836		110	76.5	134				

**Qualifiers:** E Value above quantitation range      H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits  
 ND Not detected at the Reporting Limit      R RPD outside accepted recovery limits      RL Reporting Limit  
 S Spike recovery outside accepted recovery limits

# Chain of Custody Record

Laboratory Project No (Internet): 1109061

Page: 1 of: 1



1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: Calibre Systems  
Address: 64290 Highway Rd  
City, State, Zip: Joseph, OR 97846  
Tel: 541-432-0305  
Fax: 97846

Project Name: Hufec  
Location: Little rock  
Collected by: Jeff Dawson

Reports To (PM): Grant Dawson  
Email: grant.dawson@calibresys.com  
Project No: K0305000

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260)	BTEX	Gasoline Range Organics	EPA 8260	EPA 8021b	Hydrocarbon Identification (HCD)	Diesel/Heavy Oil Range Organics	SEM Vol (EPA 8270)	PAH (EPA 8270)	PCBs (EPA 8270-SM)	CI Pesticides (EPA 8081)	CI Herbicides (EPA 8151A)	Meats * (4020 / 200.8)	Total (T) Dissolved (D)	Arsenic (As)	Comments/Depth
1 HS-22-09.14.11	14 Sep 11	15:00		X		X				X				X					
2 HS-23-09.14.11	14 Sep 11	15:10		X		X				X				X					
3 HS-24-09.14.11	14 Sep 11	15:22		X		X				X				X					
4																			
5																			
6																			
7																			
8																			
9																			
10																			

\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Be Ca Cd Co Cr Cu Fe Hg K M/g Mn Mo Na Ni Pb Sb Se Sr Sn Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Requested by: Jeff Dawson Date/Time: 14 Sep 11 17:00  
Received: [Signature] Date/Time: 9/15/11 10:10  
Requested by: [Signature] Date/Time: [Signature]  
Received: [Signature] Date/Time: [Signature]

TAT -> Next Day 2 Day 3 Day STD



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Tom McKeon  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec/Bordeaux**

**Lab ID: 1203151**

April 02, 2012

**Attention Tom McKeon:**

Fremont Analytical, Inc. received 9 sample(s) on 3/23/2012 for the analyses presented in the following report.

***Dissolved Mercury by EPA Method 245.1***

***Dissolved Metals by EPA Method 200.8***

***Mercury by EPA Method 245.1***

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 200.8***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Michael Dee  
Sr. Chemist / Principal

**CC:**  
Grant Dawson  
Justin Neste

---

**CLIENT:** Calibre  
**Project:** Hytec/Bordeaux  
**Lab Order:** 1203151**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Date/Time Collected</b>	<b>Date/Time Received</b>
1203151-001	HLMW-07A-032212	03/22/2012 10:39 AM	03/23/2012 8:47 AM
1203151-002	HLMW-06B-032212	03/22/2012 11:25 AM	03/23/2012 8:47 AM
1203151-003	HLMW-03A-032212	03/22/2012 12:00 PM	03/23/2012 8:47 AM
1203151-004	HLMW-05B-032212	03/22/2012 1:06 PM	03/23/2012 8:47 AM
1203151-005	HLMW-02A-032212	03/22/2012 1:49 PM	03/23/2012 8:47 AM
1203151-006	HLMW-01A-032212	03/22/2012 2:27 PM	03/23/2012 8:47 AM
1203151-007	HLMW-04A-032212	03/22/2012 3:05 PM	03/23/2012 8:47 AM
1203151-008	MOWE-032212	03/22/2012 3:30 PM	03/23/2012 8:47 AM
1203151-009	Trip Blank	03/20/2012 3:44 PM	03/23/2012 8:47 AM

**CLIENT:** Calibre  
**Project:** Hytec/Bordeaux

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 10:39:00 AM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-001

**Matrix:** Water

**Client Sample ID:** HLMW-07A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

Phenol	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
2-Chlorophenol	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Benzyl alcohol	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Hexachloroethane	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Nitrobenzene	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
Isophorone	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
2-Nitrophenol	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
2,4-Dimethylphenol	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
2,4-Dichlorophenol	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Naphthalene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
4-Chloroaniline	ND	5.00		µg/L	1	3/28/2012 9:28:00 AM
Hexachlorobutadiene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	3/28/2012 9:28:00 AM
2-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
1-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
2-Chloronaphthalene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
2-Nitroaniline	ND	5.00		µg/L	1	3/28/2012 9:28:00 AM
Acenaphthene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Dimethylphthalate	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Acenaphthylene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
2,4-Dinitrophenol	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
Dibenzofuran	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 10:39:00 AM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-001

**Matrix:** Water

**Client Sample ID:** HLMW-07A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

2,4-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
4-Nitrophenol	ND	5.00		µg/L	1	3/28/2012 9:28:00 AM
Fluorene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Diethylphthalate	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
4,6-Dinitro-2-methylphenol	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Hexachlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Pentachlorophenol	ND	2.00		µg/L	1	3/28/2012 9:28:00 AM
Phenanthrene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Anthracene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Carbazole	ND	5.00		µg/L	1	3/28/2012 9:28:00 AM
Di-n-butyl phthalate	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Fluoranthene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Pyrene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Benzyl Butylphthalate	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Benz[a]anthracene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Chrysene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Bis(2-ethylhexyl) phthalate	1.89	1.00		µg/L	1	3/28/2012 9:28:00 AM
Di-n-octyl phthalate	ND	1.00		µg/L	1	3/28/2012 9:28:00 AM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Benzo[a]pyrene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	3/28/2012 9:28:00 AM
Surr: 2,4,6-Tribromophenol	65.6	24-138		%REC	1	3/28/2012 9:28:00 AM
Surr: 2-Fluorobiphenyl	65.4	38.6-138		%REC	1	3/28/2012 9:28:00 AM
Surr: Nitrobenzene-d5	62.1	31.7-140		%REC	1	3/28/2012 9:28:00 AM
Surr: Phenol-d6	21.8	15-116		%REC	1	3/28/2012 9:28:00 AM
Surr: p-Terphenyl	82.7	49-156		%REC	1	3/28/2012 9:28:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 10:39:00 AM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-001

**Matrix:** Water

**Client Sample ID:** HLMW-07A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Antimony	ND	0.200		µg/L	1	3/23/2012 7:31:03 PM
Arsenic	ND	1.00		µg/L	1	3/23/2012 7:31:03 PM
Beryllium	ND	0.200		µg/L	1	3/23/2012 7:31:03 PM
Cadmium	ND	0.200		µg/L	1	3/23/2012 7:31:03 PM
Chromium	3.18	0.500		µg/L	1	3/23/2012 7:31:03 PM
Copper	2.04	0.500		µg/L	1	3/23/2012 7:31:03 PM
Lead	ND	1.00		µg/L	1	3/23/2012 7:31:03 PM
Nickel	1.68	0.500		µg/L	1	3/23/2012 7:31:03 PM
Silver	ND	0.200		µg/L	1	3/23/2012 7:31:03 PM
Thallium	ND	0.200		µg/L	1	3/23/2012 7:31:03 PM
Zinc	9.15	1.50	B	µg/L	1	3/23/2012 7:31:03 PM

**Mercury by EPA Method 245.1**

Batch ID: 2135

Analyst: MC

Mercury	ND	0.100		µg/L	1	3/29/2012 2:08:19 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 11:25:00 AM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-002

**Matrix:** Water

**Client Sample ID:** HLMW-06B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

Phenol	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
2-Chlorophenol	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Benzyl alcohol	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Hexachloroethane	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Nitrobenzene	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
Isophorone	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
2-Nitrophenol	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
2,4-Dimethylphenol	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
2,4-Dichlorophenol	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Naphthalene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
4-Chloroaniline	ND	5.00		µg/L	1	3/28/2012 9:49:00 AM
Hexachlorobutadiene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	3/28/2012 9:49:00 AM
2-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
1-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
2-Chloronaphthalene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
2-Nitroaniline	ND	5.00		µg/L	1	3/28/2012 9:49:00 AM
Acenaphthene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Dimethylphthalate	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Acenaphthylene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
2,4-Dinitrophenol	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
Dibenzofuran	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 11:25:00 AM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-002

**Matrix:** Water

**Client Sample ID:** HLMW-06B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

2,4-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
4-Nitrophenol	ND	5.00		µg/L	1	3/28/2012 9:49:00 AM
Fluorene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Diethylphthalate	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
4,6-Dinitro-2-methylphenol	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Hexachlorobenzene	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Pentachlorophenol	ND	2.00		µg/L	1	3/28/2012 9:49:00 AM
Phenanthrene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Anthracene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Carbazole	ND	5.00		µg/L	1	3/28/2012 9:49:00 AM
Di-n-butyl phthalate	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Fluoranthene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Pyrene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Benzyl Butylphthalate	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Benz[a]anthracene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Chrysene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Bis(2-ethylhexyl) phthalate	4.03	1.00		µg/L	1	3/28/2012 9:49:00 AM
Di-n-octyl phthalate	ND	1.00		µg/L	1	3/28/2012 9:49:00 AM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Benzo[a]pyrene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	3/28/2012 9:49:00 AM
Surr: 2,4,6-Tribromophenol	50.5	24-138		%REC	1	3/28/2012 9:49:00 AM
Surr: 2-Fluorobiphenyl	53.5	38.6-138		%REC	1	3/28/2012 9:49:00 AM
Surr: Nitrobenzene-d5	55.1	31.7-140		%REC	1	3/28/2012 9:49:00 AM
Surr: Phenol-d6	21.5	15-116		%REC	1	3/28/2012 9:49:00 AM
Surr: p-Terphenyl	77.9	49-156		%REC	1	3/28/2012 9:49:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 11:25:00 AM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-002

**Matrix:** Water

**Client Sample ID:** HLMW-06B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Chloromethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Vinyl chloride	ND	0.200		µg/L	1	3/24/2012 12:03:00 AM
Bromomethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Trichlorofluoromethane (CFC-11)	2.24	1.00		µg/L	1	3/24/2012 12:03:00 AM
Chloroethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Methylene chloride	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	3/24/2012 12:03:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Chloroform	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Benzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Dibromomethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Toluene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	3/24/2012 12:03:00 AM
Chlorobenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Ethylbenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
m,p-Xylene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 11:25:00 AM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-002

**Matrix:** Water

**Client Sample ID:** HLMW-06B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

o-Xylene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Styrene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Bromoform	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Bromobenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/24/2012 12:03:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	3/24/2012 12:03:00 AM
Naphthalene	ND	1.00		µg/L	1	3/24/2012 12:03:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/24/2012 12:03:00 AM
Surr: 1-Bromo-4-fluorobenzene	91.2	79.2-120		%REC	1	3/24/2012 12:03:00 AM
Surr: Dibromofluoromethane	102	76-114		%REC	1	3/24/2012 12:03:00 AM
Surr: Toluene-d8	99.1	86.8-119		%REC	1	3/24/2012 12:03:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Antimony	ND	0.200		µg/L	1	3/23/2012 7:49:01 PM
Arsenic	ND	1.00		µg/L	1	3/23/2012 7:49:01 PM
Beryllium	ND	0.200		µg/L	1	3/23/2012 7:49:01 PM
Cadmium	0.300	0.200		µg/L	1	3/23/2012 7:49:01 PM
Chromium	6.73	0.500		µg/L	1	3/23/2012 7:49:01 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 3/22/2012 11:25:00 AM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-002

**Matrix:** Water

**Client Sample ID:** HLMW-06B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Copper	13.0	0.500		µg/L	1	3/23/2012 7:49:01 PM
Lead	ND	1.00		µg/L	1	3/23/2012 7:49:01 PM
Nickel	4.37	0.500		µg/L	1	3/23/2012 7:49:01 PM
Silver	ND	0.200		µg/L	1	3/23/2012 7:49:01 PM
Thallium	ND	0.200		µg/L	1	3/23/2012 7:49:01 PM
Zinc	24.5	1.50	B	µg/L	1	3/23/2012 7:49:01 PM

**Mercury by EPA Method 245.1**

Batch ID: 2135

Analyst: MC

Mercury	ND	0.100		µg/L	1	3/29/2012 2:16:52 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 12:00:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-003

**Matrix:** Water

**Client Sample ID:** HLMW-03A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

Phenol	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
2-Chlorophenol	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Benzyl alcohol	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Hexachloroethane	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Nitrobenzene	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
Isophorone	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
2-Nitrophenol	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
2,4-Dimethylphenol	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
2,4-Dichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Naphthalene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
4-Chloroaniline	ND	5.00		µg/L	1	3/28/2012 10:09:00 AM
Hexachlorobutadiene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	3/28/2012 10:09:00 AM
2-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
1-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
2-Chloronaphthalene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
2-Nitroaniline	ND	5.00		µg/L	1	3/28/2012 10:09:00 AM
Acenaphthene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Dimethylphthalate	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Acenaphthylene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
2,4-Dinitrophenol	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
Dibenzofuran	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 12:00:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-003

**Matrix:** Water

**Client Sample ID:** HLMW-03A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

2,4-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
4-Nitrophenol	ND	5.00		µg/L	1	3/28/2012 10:09:00 AM
Fluorene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Diethylphthalate	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
4,6-Dinitro-2-methylphenol	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Hexachlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Pentachlorophenol	ND	2.00		µg/L	1	3/28/2012 10:09:00 AM
Phenanthrene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Anthracene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Carbazole	ND	5.00		µg/L	1	3/28/2012 10:09:00 AM
Di-n-butyl phthalate	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Pyrene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Benzyl Butylphthalate	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Benz[a]anthracene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Chrysene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Bis(2-ethylhexyl) phthalate	1.36	1.00	[RA]	µg/L	1	4/2/2012 3:42:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	3/28/2012 10:09:00 AM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Benzo[a]pyrene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	3/28/2012 10:09:00 AM
Surr: 2,4,6-Tribromophenol	66.2	24-138		%REC	1	3/28/2012 10:09:00 AM
Surr: 2-Fluorobiphenyl	70.9	38.6-138		%REC	1	3/28/2012 10:09:00 AM
Surr: Nitrobenzene-d5	61.2	31.7-140		%REC	1	3/28/2012 10:09:00 AM
Surr: Phenol-d6	23.7	15-116		%REC	1	3/28/2012 10:09:00 AM
Surr: p-Terphenyl	75.2	49-156		%REC	1	3/28/2012 10:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 12:00:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-003

**Matrix:** Water

**Client Sample ID:** HLMW-03A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Chloromethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Vinyl chloride	ND	0.200		µg/L	1	3/24/2012 12:56:00 AM
Bromomethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Trichlorofluoromethane (CFC-11)	4.18	1.00		µg/L	1	3/24/2012 12:56:00 AM
Chloroethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Methylene chloride	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	3/24/2012 12:56:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Chloroform	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Benzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Dibromomethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Toluene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	3/24/2012 12:56:00 AM
Chlorobenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Ethylbenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
m,p-Xylene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 12:00:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-003

**Matrix:** Water

**Client Sample ID:** HLMW-03A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

o-Xylene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Styrene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Bromoform	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Bromobenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/24/2012 12:56:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	3/24/2012 12:56:00 AM
Naphthalene	ND	1.00		µg/L	1	3/24/2012 12:56:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/24/2012 12:56:00 AM
Surr: 1-Bromo-4-fluorobenzene	92.9	79.2-120		%REC	1	3/24/2012 12:56:00 AM
Surr: Dibromofluoromethane	102	76-114		%REC	1	3/24/2012 12:56:00 AM
Surr: Toluene-d8	99.2	86.8-119		%REC	1	3/24/2012 12:56:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Antimony	0.298	0.200		µg/L	1	3/23/2012 7:58:00 PM
Arsenic	15.4	1.00		µg/L	1	3/23/2012 7:58:00 PM
Beryllium	0.836	0.200		µg/L	1	3/23/2012 7:58:00 PM
Cadmium	0.430	0.200		µg/L	1	3/23/2012 7:58:00 PM
Chromium	47.8	0.500		µg/L	1	3/23/2012 7:58:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151  
Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 12:00:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-003

**Matrix:** Water

**Client Sample ID:** HLMW-03A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Copper	67.3	0.500		µg/L	1	3/23/2012 7:58:00 PM
Lead	8.50	1.00		µg/L	1	3/23/2012 7:58:00 PM
Nickel	50.7	0.500		µg/L	1	3/23/2012 7:58:00 PM
Silver	ND	0.200		µg/L	1	3/23/2012 7:58:00 PM
Thallium	ND	0.200		µg/L	1	3/23/2012 7:58:00 PM
Zinc	133	1.50	B	µg/L	1	3/23/2012 7:58:00 PM

**Mercury by EPA Method 245.1**

Batch ID: 2135

Analyst: MC

Mercury	ND	0.100		µg/L	1	3/29/2012 2:18:59 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:06:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-004

**Matrix:** Water

**Client Sample ID:** HLMW-05B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

Phenol	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
2-Chlorophenol	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Benzyl alcohol	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Hexachloroethane	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Nitrobenzene	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
Isophorone	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
2-Nitrophenol	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
2,4-Dimethylphenol	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
2,4-Dichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Naphthalene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
4-Chloroaniline	ND	5.00		µg/L	1	3/28/2012 10:30:00 AM
Hexachlorobutadiene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	3/28/2012 10:30:00 AM
2-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
1-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
2-Chloronaphthalene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
2-Nitroaniline	ND	5.00		µg/L	1	3/28/2012 10:30:00 AM
Acenaphthene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Dimethylphthalate	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Acenaphthylene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
2,4-Dinitrophenol	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
Dibenzofuran	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:06:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-004

**Matrix:** Water

**Client Sample ID:** HLMW-05B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

2,4-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
4-Nitrophenol	ND	5.00		µg/L	1	3/28/2012 10:30:00 AM
Fluorene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Diethylphthalate	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
4,6-Dinitro-2-methylphenol	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Hexachlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Pentachlorophenol	ND	2.00		µg/L	1	3/28/2012 10:30:00 AM
Phenanthrene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Anthracene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Carbazole	ND	5.00		µg/L	1	3/28/2012 10:30:00 AM
Di-n-butyl phthalate	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Pyrene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Benzyl Butylphthalate	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Benz[a]anthracene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Chrysene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Bis(2-ethylhexyl) phthalate	11.8	1.00		µg/L	1	3/28/2012 10:30:00 AM
Di-n-octyl phthalate	ND	1.00		µg/L	1	3/28/2012 10:30:00 AM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Benzo[a]pyrene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	3/28/2012 10:30:00 AM
Surr: 2,4,6-Tribromophenol	52.5	24-138		%REC	1	3/28/2012 10:30:00 AM
Surr: 2-Fluorobiphenyl	56.0	38.6-138		%REC	1	3/28/2012 10:30:00 AM
Surr: Nitrobenzene-d5	52.4	31.7-140		%REC	1	3/28/2012 10:30:00 AM
Surr: Phenol-d6	21.7	15-116		%REC	1	3/28/2012 10:30:00 AM
Surr: p-Terphenyl	59.4	49-156		%REC	1	3/28/2012 10:30:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:06:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-004

**Matrix:** Water

**Client Sample ID:** HLMW-05B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Chloromethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Vinyl chloride	ND	0.200		µg/L	1	3/24/2012 1:50:00 AM
Bromomethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Chloroethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Methylene chloride	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	3/24/2012 1:50:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Chloroform	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Benzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Dibromomethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Toluene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	3/24/2012 1:50:00 AM
Chlorobenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Ethylbenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
m,p-Xylene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:06:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-004

**Matrix:** Water

**Client Sample ID:** HLMW-05B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

o-Xylene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Styrene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Bromoform	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Bromobenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/24/2012 1:50:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	3/24/2012 1:50:00 AM
Naphthalene	ND	1.00		µg/L	1	3/24/2012 1:50:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/24/2012 1:50:00 AM
Surr: 1-Bromo-4-fluorobenzene	90.3	79.2-120		%REC	1	3/24/2012 1:50:00 AM
Surr: Dibromofluoromethane	102	76-114		%REC	1	3/24/2012 1:50:00 AM
Surr: Toluene-d8	99.8	86.8-119		%REC	1	3/24/2012 1:50:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Antimony	0.581	0.200		µg/L	1	3/23/2012 8:07:00 PM
Arsenic	ND	1.00		µg/L	1	3/23/2012 8:07:00 PM
Beryllium	0.395	0.200		µg/L	1	3/23/2012 8:07:00 PM
Cadmium	0.435	0.200		µg/L	1	3/23/2012 8:07:00 PM
Chromium	69.6	0.500		µg/L	1	3/23/2012 8:07:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:06:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-004

**Matrix:** Water

**Client Sample ID:** HLMW-05B-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Copper	136	0.500		µg/L	1	3/23/2012 8:07:00 PM
Lead	1.88	1.00		µg/L	1	3/23/2012 8:07:00 PM
Nickel	50.6	0.500		µg/L	1	3/23/2012 8:07:00 PM
Silver	ND	0.200		µg/L	1	3/23/2012 8:07:00 PM
Thallium	ND	0.200		µg/L	1	3/23/2012 8:07:00 PM
Zinc	82.6	1.50	B	µg/L	1	3/23/2012 8:07:00 PM

**Mercury by EPA Method 245.1**

Batch ID: 2135

Analyst: MC

Mercury	ND	0.100		µg/L	1	3/29/2012 2:25:26 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:49:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-005

**Matrix:** Water

**Client Sample ID:** HLMW-02A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

Phenol	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
2-Chlorophenol	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Benzyl alcohol	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Hexachloroethane	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Nitrobenzene	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
Isophorone	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
2-Nitrophenol	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
2,4-Dimethylphenol	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
2,4-Dichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Naphthalene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
4-Chloroaniline	ND	5.00		µg/L	1	3/28/2012 10:51:00 AM
Hexachlorobutadiene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	3/28/2012 10:51:00 AM
2-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
1-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
2-Chloronaphthalene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
2-Nitroaniline	ND	5.00		µg/L	1	3/28/2012 10:51:00 AM
Acenaphthene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Dimethylphthalate	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Acenaphthylene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
2,4-Dinitrophenol	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
Dibenzofuran	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:49:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-005

**Matrix:** Water

**Client Sample ID:** HLMW-02A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

2,4-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
4-Nitrophenol	ND	5.00		µg/L	1	3/28/2012 10:51:00 AM
Fluorene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Diethylphthalate	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
4,6-Dinitro-2-methylphenol	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Hexachlorobenzene	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Pentachlorophenol	ND	2.00		µg/L	1	3/28/2012 10:51:00 AM
Phenanthrene	0.579	0.500		µg/L	1	3/28/2012 10:51:00 AM
Anthracene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Carbazole	ND	5.00		µg/L	1	3/28/2012 10:51:00 AM
Di-n-butyl phthalate	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Pyrene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Benzyl Butylphthalate	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Benz[a]anthracene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Chrysene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Bis(2-ethylhexyl) phthalate	1.43	1.00		µg/L	1	3/28/2012 10:51:00 AM
Di-n-octyl phthalate	ND	1.00		µg/L	1	3/28/2012 10:51:00 AM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Benzo[a]pyrene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	3/28/2012 10:51:00 AM
Surr: 2,4,6-Tribromophenol	41.4	24-138		%REC	1	3/28/2012 10:51:00 AM
Surr: 2-Fluorobiphenyl	76.7	38.6-138		%REC	1	3/28/2012 10:51:00 AM
Surr: Nitrobenzene-d5	53.3	31.7-140		%REC	1	3/28/2012 10:51:00 AM
Surr: Phenol-d6	23.8	15-116		%REC	1	3/28/2012 10:51:00 AM
Surr: p-Terphenyl	78.1	49-156		%REC	1	3/28/2012 10:51:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:49:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-005

**Matrix:** Water

**Client Sample ID:** HLMW-02A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Chloromethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Vinyl chloride	ND	0.200		µg/L	1	3/24/2012 2:16:00 AM
Bromomethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Trichlorofluoromethane (CFC-11)	7.65	1.00		µg/L	1	3/24/2012 2:16:00 AM
Chloroethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Methylene chloride	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	3/24/2012 2:16:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Chloroform	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Benzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Dibromomethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Toluene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	3/24/2012 2:16:00 AM
Chlorobenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Ethylbenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
m,p-Xylene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:49:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-005

**Matrix:** Water

**Client Sample ID:** HLMW-02A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

o-Xylene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Styrene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Bromoform	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Bromobenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/24/2012 2:16:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	3/24/2012 2:16:00 AM
Naphthalene	ND	1.00		µg/L	1	3/24/2012 2:16:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/24/2012 2:16:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.2	79.2-120		%REC	1	3/24/2012 2:16:00 AM
Surr: Dibromofluoromethane	101	76-114		%REC	1	3/24/2012 2:16:00 AM
Surr: Toluene-d8	99.3	86.8-119		%REC	1	3/24/2012 2:16:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Antimony	ND	0.200		µg/L	1	3/23/2012 8:15:59 PM
Arsenic	ND	1.00		µg/L	1	3/23/2012 8:15:59 PM
Beryllium	ND	0.200		µg/L	1	3/23/2012 8:15:59 PM
Cadmium	ND	0.200		µg/L	1	3/23/2012 8:15:59 PM
Chromium	4.00	0.500		µg/L	1	3/23/2012 8:15:59 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151  
Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 1:49:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-005

**Matrix:** Water

**Client Sample ID:** HLMW-02A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Copper	2.90	0.500		µg/L	1	3/23/2012 8:15:59 PM
Lead	ND	1.00		µg/L	1	3/23/2012 8:15:59 PM
Nickel	2.69	0.500		µg/L	1	3/23/2012 8:15:59 PM
Silver	ND	0.200		µg/L	1	3/23/2012 8:15:59 PM
Thallium	ND	0.200		µg/L	1	3/23/2012 8:15:59 PM
Zinc	12.8	1.50	B	µg/L	1	3/23/2012 8:15:59 PM

**Mercury by EPA Method 245.1**

Batch ID: 2135

Analyst: MC

Mercury	ND	0.100		µg/L	1	3/29/2012 2:27:33 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 2:27:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

Phenol	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
2-Chlorophenol	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Benzyl alcohol	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Hexachloroethane	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Nitrobenzene	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
Isophorone	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
2-Nitrophenol	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
2,4-Dimethylphenol	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
2,4-Dichlorophenol	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Naphthalene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
4-Chloroaniline	ND	5.00		µg/L	1	3/28/2012 11:12:00 AM
Hexachlorobutadiene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	3/28/2012 11:12:00 AM
2-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
1-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
2-Chloronaphthalene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
2-Nitroaniline	ND	5.00		µg/L	1	3/28/2012 11:12:00 AM
Acenaphthene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Dimethylphthalate	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Acenaphthylene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
2,4-Dinitrophenol	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
Dibenzofuran	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 2:27:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

2,4-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
4-Nitrophenol	ND	5.00		µg/L	1	3/28/2012 11:12:00 AM
Fluorene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Diethylphthalate	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
4,6-Dinitro-2-methylphenol	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Hexachlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Pentachlorophenol	ND	2.00		µg/L	1	3/28/2012 11:12:00 AM
Phenanthrene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Anthracene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Carbazole	ND	5.00		µg/L	1	3/28/2012 11:12:00 AM
Di-n-butyl phthalate	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Fluoranthene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Pyrene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Benzyl Butylphthalate	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Benz[a]anthracene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Chrysene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Bis(2-ethylhexyl) phthalate	2.02	1.00		µg/L	1	3/28/2012 11:12:00 AM
Di-n-octyl phthalate	ND	1.00		µg/L	1	3/28/2012 11:12:00 AM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Benzo[a]pyrene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	3/28/2012 11:12:00 AM
Surr: 2,4,6-Tribromophenol	64.9	24-138		%REC	1	3/28/2012 11:12:00 AM
Surr: 2-Fluorobiphenyl	79.7	38.6-138		%REC	1	3/28/2012 11:12:00 AM
Surr: Nitrobenzene-d5	76.7	31.7-140		%REC	1	3/28/2012 11:12:00 AM
Surr: Phenol-d6	22.3	15-116		%REC	1	3/28/2012 11:12:00 AM
Surr: p-Terphenyl	78.8	49-156		%REC	1	3/28/2012 11:12:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 2:27:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Chloromethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Vinyl chloride	ND	0.200		µg/L	1	3/24/2012 2:43:00 AM
Bromomethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Chloroethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Methylene chloride	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	3/24/2012 2:43:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Chloroform	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Benzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Dibromomethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Toluene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	3/24/2012 2:43:00 AM
Chlorobenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Ethylbenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
m,p-Xylene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 2:27:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

o-Xylene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Styrene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Bromoform	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Bromobenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/24/2012 2:43:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	3/24/2012 2:43:00 AM
Naphthalene	ND	1.00		µg/L	1	3/24/2012 2:43:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/24/2012 2:43:00 AM
Surr: 1-Bromo-4-fluorobenzene	93.4	79.2-120		%REC	1	3/24/2012 2:43:00 AM
Surr: Dibromofluoromethane	103	76-114		%REC	1	3/24/2012 2:43:00 AM
Surr: Toluene-d8	98.9	86.8-119		%REC	1	3/24/2012 2:43:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Antimony	0.568	0.200		µg/L	1	3/23/2012 8:24:58 PM
Arsenic	ND	1.00		µg/L	1	3/23/2012 8:24:58 PM
Beryllium	ND	0.200		µg/L	1	3/23/2012 8:24:58 PM
Cadmium	ND	0.200		µg/L	1	3/23/2012 8:24:58 PM
Chromium	10.0	0.500		µg/L	1	3/23/2012 8:24:58 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 2:27:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Copper	5.36	0.500		µg/L	1	3/23/2012 8:24:58 PM
Lead	ND	1.00		µg/L	1	3/23/2012 8:24:58 PM
Nickel	4.77	0.500		µg/L	1	3/23/2012 8:24:58 PM
Silver	ND	0.200		µg/L	1	3/23/2012 8:24:58 PM
Thallium	ND	0.200		µg/L	1	3/23/2012 8:24:58 PM
Zinc	24.5	1.50	B	µg/L	1	3/23/2012 8:24:58 PM

**Mercury by EPA Method 245.1**

Batch ID: 2135

Analyst: MC

Mercury	ND	0.100		µg/L	1	3/29/2012 2:29:41 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151  
Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:05:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-007

**Matrix:** Water

**Client Sample ID:** HLMW-04A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

Phenol	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
2-Chlorophenol	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Benzyl alcohol	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Hexachloroethane	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Nitrobenzene	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
Isophorone	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
2-Nitrophenol	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
2,4-Dimethylphenol	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
2,4-Dichlorophenol	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Naphthalene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
4-Chloroaniline	ND	5.00		µg/L	1	3/28/2012 11:54:00 AM
Hexachlorobutadiene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	3/28/2012 11:54:00 AM
2-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
1-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
2-Chloronaphthalene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
2-Nitroaniline	ND	5.00		µg/L	1	3/28/2012 11:54:00 AM
Acenaphthene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Dimethylphthalate	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Acenaphthylene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
2,4-Dinitrophenol	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
Dibenzofuran	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:05:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-007

**Matrix:** Water

**Client Sample ID:** HLMW-04A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

2,4-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
4-Nitrophenol	ND	5.00		µg/L	1	3/28/2012 11:54:00 AM
Fluorene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Diethylphthalate	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
4,6-Dinitro-2-methylphenol	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Hexachlorobenzene	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Pentachlorophenol	ND	2.00		µg/L	1	3/28/2012 11:54:00 AM
Phenanthrene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Anthracene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Carbazole	ND	5.00		µg/L	1	3/28/2012 11:54:00 AM
Di-n-butyl phthalate	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Fluoranthene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Pyrene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Benzyl Butylphthalate	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Benz[a]anthracene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Chrysene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Bis(2-ethylhexyl) phthalate	24.1	10.0	D	µg/L	10	4/2/2012 4:03:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	3/28/2012 11:54:00 AM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Benzo[a]pyrene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	3/28/2012 11:54:00 AM
Surr: 2,4,6-Tribromophenol	55.6	24-138		%REC	1	3/28/2012 11:54:00 AM
Surr: 2-Fluorobiphenyl	70.1	38.6-138		%REC	1	3/28/2012 11:54:00 AM
Surr: Nitrobenzene-d5	65.8	31.7-140		%REC	1	3/28/2012 11:54:00 AM
Surr: Phenol-d6	20.7	15-116		%REC	1	3/28/2012 11:54:00 AM
Surr: p-Terphenyl	85.5	49-156		%REC	1	3/28/2012 11:54:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:05:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-007

**Matrix:** Water

**Client Sample ID:** HLMW-04A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Chloromethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Vinyl chloride	ND	0.200		µg/L	1	3/24/2012 3:09:00 AM
Bromomethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Trichlorofluoromethane (CFC-11)	12.8	1.00		µg/L	1	3/24/2012 3:09:00 AM
Chloroethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Methylene chloride	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	3/24/2012 3:09:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Chloroform	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Benzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Dibromomethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Toluene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	3/24/2012 3:09:00 AM
Chlorobenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Ethylbenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
m,p-Xylene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:05:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-007

**Matrix:** Water

**Client Sample ID:** HLMW-04A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

o-Xylene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Styrene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Bromoform	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Bromobenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/24/2012 3:09:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	3/24/2012 3:09:00 AM
Naphthalene	ND	1.00		µg/L	1	3/24/2012 3:09:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/24/2012 3:09:00 AM
Surr: 1-Bromo-4-fluorobenzene	91.5	79.2-120		%REC	1	3/24/2012 3:09:00 AM
Surr: Dibromofluoromethane	103	76-114		%REC	1	3/24/2012 3:09:00 AM
Surr: Toluene-d8	98.7	86.8-119		%REC	1	3/24/2012 3:09:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Antimony	ND	0.200		µg/L	1	3/26/2012 10:12:01 AM
Arsenic	ND	1.00		µg/L	1	3/26/2012 10:12:01 AM
Beryllium	ND	0.200		µg/L	1	3/26/2012 10:12:01 AM
Cadmium	ND	0.200		µg/L	1	3/26/2012 10:12:01 AM
Chromium	4.67	0.500		µg/L	1	3/26/2012 10:12:01 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151  
Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:05:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-007

**Matrix:** Water

**Client Sample ID:** HLMW-04A-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Copper	2.42	0.500		µg/L	1	3/26/2012 10:12:01 AM
Lead	1.23	1.00		µg/L	1	3/26/2012 10:12:01 AM
Nickel	1.37	0.500		µg/L	1	3/26/2012 10:12:01 AM
Silver	ND	0.200		µg/L	1	3/26/2012 10:12:01 AM
Thallium	ND	0.200		µg/L	1	3/26/2012 10:12:01 AM
Zinc	59.2	1.50	B	µg/L	1	3/26/2012 10:12:01 AM

**Mercury by EPA Method 245.1**

Batch ID: 2135

Analyst: MC

Mercury	ND	0.100		µg/L	1	3/29/2012 2:31:49 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:30:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-008

**Matrix:** Water

**Client Sample ID:** MOWE-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

Phenol	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Hexachloroethane	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Nitrobenzene	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
Isophorone	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Naphthalene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	3/28/2012 12:57:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	3/28/2012 12:57:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	3/28/2012 12:57:00 PM
Acenaphthene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Acenaphthylene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
Dibenzofuran	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:30:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-008

**Matrix:** Water

**Client Sample ID:** MOWE-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2119

Analyst: SG

2,4-Dinitrotoluene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	3/28/2012 12:57:00 PM
Fluorene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Diethylphthalate	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
4,6-Dinitro-2-methylphenol	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	3/28/2012 12:57:00 PM
Phenanthrene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Anthracene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Carbazole	ND	5.00		µg/L	1	3/28/2012 12:57:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Fluoranthene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Pyrene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Chrysene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Bis(2-ethylhexyl) phthalate	1.00	1.00		µg/L	1	3/28/2012 12:57:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	3/28/2012 12:57:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	3/28/2012 12:57:00 PM
Surr: 2,4,6-Tribromophenol	50.2	24-138		%REC	1	3/28/2012 12:57:00 PM
Surr: 2-Fluorobiphenyl	58.9	38.6-138		%REC	1	3/28/2012 12:57:00 PM
Surr: Nitrobenzene-d5	53.2	31.7-140		%REC	1	3/28/2012 12:57:00 PM
Surr: Phenol-d6	21.0	15-116		%REC	1	3/28/2012 12:57:00 PM
Surr: p-Terphenyl	66.6	49-156		%REC	1	3/28/2012 12:57:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:30:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-008

**Matrix:** Water

**Client Sample ID:** MOWE-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Chloromethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Vinyl chloride	ND	0.200		µg/L	1	3/24/2012 3:36:00 AM
Bromomethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Chloroethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Methylene chloride	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	3/24/2012 3:36:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Chloroform	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2-Dichloroethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Benzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Dibromomethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Toluene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	3/24/2012 3:36:00 AM
Chlorobenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Ethylbenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
m,p-Xylene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1203151

Date Reported: 4/2/2012

**Client:** Calibre

**Collection Date:** 3/22/2012 3:30:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-008

**Matrix:** Water

**Client Sample ID:** MOWE-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R3786

Analyst: PH

o-Xylene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Styrene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Bromoform	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Bromobenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	3/24/2012 3:36:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	3/24/2012 3:36:00 AM
Naphthalene	ND	1.00		µg/L	1	3/24/2012 3:36:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	3/24/2012 3:36:00 AM
Surr: 1-Bromo-4-fluorobenzene	89.2	79.2-120		%REC	1	3/24/2012 3:36:00 AM
Surr: Dibromofluoromethane	99.0	76-114		%REC	1	3/24/2012 3:36:00 AM
Surr: Toluene-d8	97.8	86.8-119		%REC	1	3/24/2012 3:36:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Antimony	ND	0.200		µg/L	1	3/26/2012 10:21:00 AM
Arsenic	ND	1.00		µg/L	1	3/26/2012 10:21:00 AM
Beryllium	ND	0.200		µg/L	1	3/26/2012 10:21:00 AM
Cadmium	ND	0.200		µg/L	1	3/26/2012 10:21:00 AM
Chromium	2.12	0.500		µg/L	1	3/26/2012 10:21:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 3/22/2012 3:30:00 PM

**Project:** Hytec/Bordeaux

**Lab ID:** 1203151-008

**Matrix:** Water

**Client Sample ID:** MOWE-032212

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2109

Analyst: BR

Copper	1.54	0.500		µg/L	1	3/26/2012 10:21:00 AM
Lead	ND	1.00		µg/L	1	3/26/2012 10:21:00 AM
Nickel	ND	0.500		µg/L	1	3/26/2012 10:21:00 AM
Silver	ND	0.200		µg/L	1	3/26/2012 10:21:00 AM
Thallium	ND	0.200		µg/L	1	3/26/2012 10:21:00 AM
Zinc	25.3	1.50	B	µg/L	1	3/26/2012 10:21:00 AM

**Mercury by EPA Method 245.1**

Batch ID: 2135

Analyst: MC

Mercury	ND	0.100		µg/L	1	3/29/2012 2:33:58 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 200.8**

Sample ID: <b>MB-2109</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3745</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>2109</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>67176</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	ND	0.200									
Arsenic	ND	1.00									
Beryllium	ND	0.200									
Cadmium	ND	0.200									
Chromium	ND	0.500									
Copper	ND	0.500									
Lead	ND	1.00									
Nickel	ND	0.500									
Silver	ND	0.200									
Thallium	ND	0.200									
Zinc	2.16	1.50									

Sample ID: <b>LCS-2109</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3745</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>2109</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>67177</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	5.03	0.200	5.000	0	101	85	115				
Arsenic	95.7	1.00	100.0	0	95.7	85	115				
Beryllium	4.85	0.200	5.000	0	97.1	85	115				
Cadmium	4.88	0.200	5.000	0	97.7	85	115				
Chromium	101	0.500	100.0	0	101	85	115				
Copper	97.9	0.500	100.0	0	97.9	85	115				
Lead	46.6	1.00	50.00	0	93.3	85	115				
Nickel	93.7	0.500	100.0	0	93.7	85	115				
Silver	9.60	0.200	10.00	0	96.0	85	115				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 4/2/2012

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 200.8**

Sample ID: <b>LCS-2109</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3745</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>2109</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>67177</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Thallium	2.44	0.200	2.500	0	97.6	85	115				
Zinc	97.0	1.50	100.0	0	97.0	85	115				B

Sample ID: <b>1203138-001CDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3745</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>2109</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>67180</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	ND	0.200						0	0	30	
Arsenic	7.84	1.00						7.193	8.59	30	
Beryllium	ND	0.200						0	0	30	
Cadmium	ND	0.200						0	0	30	
Chromium	1.59	0.500						1.680	5.47	30	
Copper	15.6	0.500						12.93	18.5	30	
Lead	1.04	1.00						1.022	1.51	30	
Nickel	ND	0.500						0	0	30	
Silver	ND	0.200						0	0	30	
Thallium	ND	0.200						0	0	30	
Zinc	37.8	1.50						31.57	17.9	30	B

Sample ID: <b>1203144-004BMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3745</b>							
Client ID: <b>BATCH</b>	Batch ID: <b>2109</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>67186</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	26.2	0.200	25.00	1.920	97.1	70	130				
Arsenic	474	1.00	500.0	0	94.7	70	130				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 200.8**

Sample ID: <b>1203144-004BMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3745</b>
Client ID: <b>BATCH</b>	Batch ID: <b>2109</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>67186</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	24.8	0.200	25.00	0	99.3	70	130				
Cadmium	26.4	0.200	25.00	0.5995	103	70	130				
Chromium	485	0.500	500.0	1.646	96.7	70	130				
Copper	467	0.500	500.0	2.295	92.9	70	130				
Lead	250	1.00	250.0	0.6200	99.7	70	130				
Nickel	471	0.500	500.0	5.786	93.1	70	130				
Silver	26.7	0.200	50.00	0	53.3	70	130				S
Thallium	12.4	0.200	12.50	0	99.0	70	130				
Zinc	584	1.50	500.0	107.8	95.3	70	130				B

Sample ID: <b>1203144-004BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3745</b>
Client ID: <b>BATCH</b>	Batch ID: <b>2109</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>67187</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	26.8	0.200	25.00	1.920	99.5	70	130	26.20	2.19	30	
Arsenic	484	1.00	500.0	0	96.7	70	130	473.7	2.05	30	
Beryllium	25.1	0.200	25.00	0	101	70	130	24.81	1.33	30	
Cadmium	27.1	0.200	25.00	0.5995	106	70	130	26.38	2.55	30	
Chromium	496	0.500	500.0	1.646	98.9	70	130	484.9	2.27	30	
Copper	476	0.500	500.0	2.295	94.8	70	130	466.7	2.02	30	
Lead	255	1.00	250.0	0.6200	102	70	130	249.8	2.02	30	
Nickel	478	0.500	500.0	5.786	94.4	70	130	471.4	1.37	30	
Silver	30.5	0.200	50.00	0	61.0	70	130	26.66	13.5	30	S
Thallium	13.0	0.200	12.50	0	104	70	130	12.38	4.89	30	
Zinc	609	1.50	500.0	107.8	100	70	130	584.2	4.12	30	B

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits





Date: 4/2/2012

**Work Order:** 1203151  
**CLIENT:** Calibre  
**Project:** Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 200.8**

**NOTES:**

S - Silver (Ag) spike recoveries (MS/MSD) indicate a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS).

---

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Mercury by EPA Method 245.1**

Sample ID: <b>MB-2135</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/28/2012</b>	RunNo: <b>3785</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>2135</b>		Analysis Date: <b>3/29/2012</b>	SeqNo: <b>68072</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.100

Sample ID: <b>LCS-2135</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/28/2012</b>	RunNo: <b>3785</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>2135</b>		Analysis Date: <b>3/29/2012</b>	SeqNo: <b>68073</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 3.36 0.100 3.000 0 112 85 115

Sample ID: <b>1203151-001BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>3/28/2012</b>	RunNo: <b>3785</b>							
Client ID: <b>HLMW-07A-032212</b>	Batch ID: <b>2135</b>		Analysis Date: <b>3/29/2012</b>	SeqNo: <b>68075</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.100 0 0 20

Sample ID: <b>1203151-001BMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/28/2012</b>	RunNo: <b>3785</b>							
Client ID: <b>HLMW-07A-032212</b>	Batch ID: <b>2135</b>		Analysis Date: <b>3/29/2012</b>	SeqNo: <b>68076</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 3.28 0.100 3.000 0 109 85 115

**Qualifiers:** B Analyte detected in the associated Method Blank D Dilution was required E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not detected at the Reporting Limit  
 R RPD outside accepted recovery limits RL Reporting Limit S Spike recovery outside accepted recovery limits

**Work Order:** 1203151  
**CLIENT:** Calibre  
**Project:** Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Mercury by EPA Method 245.1**

Sample ID: <b>1203151-001BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>3/28/2012</b>	RunNo: <b>3785</b>							
Client ID: <b>HLMW-07A-032212</b>	Batch ID: <b>2135</b>	Analysis Date: <b>3/29/2012</b>	SeqNo: <b>68077</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	3.44	0.100	3.000	0	115	85	115	3.280	4.76	20	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1203151-007BMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/26/2012</b>	RunNo: <b>3776</b>
Client ID: <b>HLMW-04A-032212</b>	Batch ID: <b>2119</b>		Analysis Date: <b>3/28/2012</b>	SeqNo: <b>68275</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	3.35	2.00	16.00	0.1071	20.3	15	112				
2-Chlorophenol	2.62	1.00	4.000	0	65.6	23.7	136				
1,4-Dichlorobenzene	1.44	1.00	2.000	0	71.9	57.4	140				
N-Nitrosodi-n-propylamine	1.03	1.00	2.000	0	51.4	46.1	132				
1,2,4-Trichlorobenzene	1.17	1.00	2.000	0	58.4	42.2	136				
4-Chloro-3-methylphenol	9.12	5.00	16.00	0	57.0	34.4	146				
Acenaphthene	1.14	0.500	2.000	0	56.8	46.9	132				
2,4-Dinitrotoluene	3.36	1.00	8.000	0	42.0	27.7	123				
Pentachlorophenol	3.16	2.00	16.00	0	19.7	21.6	125				S
Pyrene	1.23	0.500	2.000	0.08772	57.3	54.8	143				
Surr: 2,4,6-Tribromophenol	1.72		4.000		43.0	24	138				
Surr: 2-Fluorobiphenyl	1.25		2.000		62.5	38.6	138				
Surr: Nitrobenzene-d5	1.31		2.000		65.3	31.7	140				
Surr: Phenol-d6	0.968		4.000		24.2	15	116				
Surr: p-Terphenyl	1.44		2.000		72.1	49	156				

Sample ID: <b>1203151-007BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>3/26/2012</b>	RunNo: <b>3776</b>
Client ID: <b>HLMW-04A-032212</b>	Batch ID: <b>2119</b>		Analysis Date: <b>3/28/2012</b>	SeqNo: <b>68276</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	3.31	2.00	4.000	0.1071	80.0	15	112	3.349	1.32	50	
2-Chlorophenol	2.40	1.00	4.000	0	59.9	23.7	136	2.622	8.94	50	
1,4-Dichlorobenzene	1.35	1.00	2.000	0	67.7	57.4	140	1.437	6.05	50	
N-Nitrosodi-n-propylamine	1.02	1.00	2.000	0	51.0	46.1	132	1.027	0.641	50	
1,2,4-Trichlorobenzene	1.14	1.00	2.000	0	56.8	42.2	136	1.167	2.66	50	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1203151-007BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>3/26/2012</b>	RunNo: <b>3776</b>							
Client ID: <b>HLMW-04A-032212</b>	Batch ID: <b>2119</b>		Analysis Date: <b>3/28/2012</b>	SeqNo: <b>68276</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloro-3-methylphenol	8.04	5.00	16.00	0	50.3	34.4	146	9.121	12.6	50	
Acenaphthene	1.12	0.500	2.000	0	56.1	46.9	132	1.136	1.32	50	
2,4-Dinitrotoluene	2.85	1.00	8.000	0	35.6	27.7	123	3.358	16.3	50	
Pentachlorophenol	3.68	2.00	16.00	0	23.0	21.6	125	3.158	15.4	50	
Pyrene	1.31	0.500	2.000	0.08772	61.0	54.8	143	1.233	5.79	50	
Surr: 2,4,6-Tribromophenol	2.40		4.000		60.1	24	138		0		
Surr: 2-Fluorobiphenyl	1.26		2.000		62.9	38.6	138		0		
Surr: Nitrobenzene-d5	1.22		2.000		60.8	31.7	140		0		
Surr: Phenol-d6	0.870		4.000		21.7	15	116		0		
Surr: p-Terphenyl	1.53		2.000		76.7	49	156		0		

Sample ID: <b>CCV-2119 C</b>	SampType: <b>CCV</b>	Units: <b>µg/L</b>	Prep Date:	RunNo: <b>3776</b>							
Client ID: <b>CCV</b>	Batch ID: <b>2119</b>		Analysis Date: <b>4/2/2012</b>	SeqNo: <b>68570</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-ethylhexyl) phthalate	1,020	1.00	1,000	0	102	80	120				
Surr: 2,4,6-Tribromophenol	1,070		1,000		107	24	138				
Surr: 2-Fluorobiphenyl	495		500.0		99.0	38.6	138				
Surr: Nitrobenzene-d5	503		500.0		101	31.7	140				
Surr: Phenol-d6	1,050		1,000		105	15	116				
Surr: p-Terphenyl	510		500.0		102	49	156				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>MB-2119</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/26/2012</b>	RunNo: <b>3776</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>2119</b>		Analysis Date: <b>3/28/2012</b>	SeqNo: <b>68608</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	2.00									
2-Chlorophenol	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
Benzyl alcohol	ND	1.00									
Bis(2-chloroethyl) ether	ND	2.00									
2-Methylphenol (o-cresol)	ND	1.00									
Hexachloroethane	ND	1.00									
N-Nitrosodi-n-propylamine	ND	1.00									
Nitrobenzene	ND	2.00									
Isophorone	ND	1.00									
4-Methylphenol (p-cresol)	ND	1.00									
2-Nitrophenol	ND	2.00									
2,4-Dimethylphenol	ND	1.00									
Bis(2-chloroethoxy)methane	ND	1.00									
2,4-Dichlorophenol	ND	2.00									
1,2,4-Trichlorobenzene	ND	1.00									
Naphthalene	ND	0.500									
4-Chloroaniline	ND	5.00									
Hexachlorobutadiene	ND	1.00									
4-Chloro-3-methylphenol	ND	5.00									
2-Methylnaphthalene	ND	0.500									
1-Methylnaphthalene	ND	0.500									
Hexachlorocyclopentadiene	ND	1.00									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>MB-2119</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/26/2012</b>	RunNo: <b>3776</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>2119</b>		Analysis Date: <b>3/28/2012</b>	SeqNo: <b>68608</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	ND	2.00									
2,4,5-Trichlorophenol	ND	2.00									
2-Chloronaphthalene	ND	1.00									
2-Nitroaniline	ND	5.00									
Acenaphthene	ND	0.500									
Dimethylphthalate	ND	1.00									
2,6-Dinitrotoluene	ND	1.00									
Acenaphthylene	ND	0.500									
2,4-Dinitrophenol	ND	2.00									
Dibenzofuran	ND	1.00									
2,4-Dinitrotoluene	ND	1.00									
4-Nitrophenol	ND	5.00									
Fluorene	ND	0.500									
4-Chlorophenyl phenyl ether	ND	1.00									
Diethylphthalate	ND	1.00									
4,6-Dinitro-2-methylphenol	ND	2.00									
4-Bromophenyl phenyl ether	ND	1.00									
Hexachlorobenzene	ND	1.00									
Pentachlorophenol	ND	2.00									
Phenanthrene	ND	0.500									
Anthracene	ND	0.500									
Carbazole	ND	5.00									
Di-n-butyl phthalate	1.16	1.00									
Fluoranthene	ND	0.500									
Pyrene	ND	0.500									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>MB-2119</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/26/2012</b>	RunNo: <b>3776</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>2119</b>		Analysis Date: <b>3/28/2012</b>	SeqNo: <b>68608</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzyl Butylphthalate	ND	1.00									
bis(2-Ethylhexyl)adipate	ND	1.00									
Benz[a]anthracene	ND	0.500									
Chrysene	ND	0.500									
Bis(2-ethylhexyl) phthalate	ND	1.00									
Di-n-octyl phthalate	ND	1.00									
Benzo (b) fluoranthene	ND	0.500									
Benzo (k) fluoranthene	ND	0.500									
Benzo[a]pyrene	ND	0.500									
Indeno (1,2,3-cd) pyrene	ND	0.500									
Dibenzo (a,h) anthracene	ND	0.500									
Benzo (g,h,i) perylene	ND	0.500									
Surr: 2,4,6-Tribromophenol	3.12		4.000		78.1	24	138				
Surr: 2-Fluorobiphenyl	1.70		2.000		85.0	38.6	138				
Surr: Nitrobenzene-d5	1.51		2.000		75.6	31.7	140				
Surr: Phenol-d6	0.831		4.000		20.8	15	116				
Surr: p-Terphenyl	1.59		2.000		79.7	49	156				

Sample ID: <b>LCS-2119</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/26/2012</b>	RunNo: <b>3776</b>
Client ID: <b>LCSW</b>	Batch ID: <b>2119</b>		Analysis Date: <b>3/28/2012</b>	SeqNo: <b>68611</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	3.83	2.00	16.00	0	23.9	15	112				
2-Chlorophenol	2.30	1.00	4.000	0	57.5	23.7	136				
1,4-Dichlorobenzene	2.81	1.00	4.000	0	70.3	57.4	140				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>LCS-2119</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/26/2012</b>	RunNo: <b>3776</b>
Client ID: <b>LCSW</b>	Batch ID: <b>2119</b>		Analysis Date: <b>3/28/2012</b>	SeqNo: <b>68611</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	2.29	1.00	4.000	0	57.3	46.1	132				
1,2,4-Trichlorobenzene	2.39	1.00	4.000	0	59.7	42.2	136				
4-Chloro-3-methylphenol	6.96	5.00	16.00	0	43.5	34.4	146				
Acenaphthene	2.44	0.500	4.000	0	61.0	46.9	132				
2,4-Dinitrotoluene	2.11	1.00	4.000	0	52.8	27.7	123				
Pentachlorophenol	2.32	2.00	4.000	0	58.1	21.6	125				
Pyrene	3.04	0.500	4.000	0	76.0	54.8	143				
Surr: 2,4,6-Tribromophenol	2.88		4.000		72.0	24	138				
Surr: 2-Fluorobiphenyl	1.30		2.000		64.9	38.6	138				
Surr: Nitrobenzene-d5	1.14		2.000		57.2	31.7	140				
Surr: Phenol-d6	0.861		4.000		21.5	20	116				
Surr: p-Terphenyl	1.61		2.000		80.4	49	156				

**NOTES:**

S - Outlying Pentachlorophenol MS spike recovery observed. The MSD was within range.

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R3786</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>68107</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									
Chloromethane	ND	0.500									
Vinyl chloride	ND	0.200									
Bromomethane	ND	0.500									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	0.500									
1,1-Dichloroethene	ND	0.500									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	0.500									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	0.500									
2,2-Dichloropropane	ND	1.00									
cis-1,2-Dichloroethene	ND	0.500									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	0.500									
1,1-Dichloropropene	ND	0.500									
Carbon tetrachloride	ND	0.500									
1,2-Dichloroethane	ND	0.500									
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									
Dibromomethane	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Toluene	ND	1.00									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1203151  
**CLIENT:** Calibre  
**Project:** Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R3786</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>68107</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	0.500									
1,1,2-Trichloroethane	ND	0.500									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.500									
Dibromochloromethane	ND	0.500									
1,2-Dibromoethane (EDB)	ND	0.200									
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.500									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.500									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	0.500									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	0.500									
1,2,4-Trichlorobenzene	ND	1.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									

<b>Qualifiers:</b> B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits	D Dilution was required J Analyte detected below quantitation limits RL Reporting Limit	E Value above quantitation range ND Not detected at the Reporting Limit S Spike recovery outside accepted recovery limits
---	---	---

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R3786</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>68107</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	0.500									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	2.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	2.00									
Surr: 1-Bromo-4-fluorobenzene	9.39		10.00		93.9	79.2	120				
Surr: Dibromofluoromethane	10.4		10.00		104	76	114				
Surr: Toluene-d8	9.97		10.00		99.7	86.8	119				

Sample ID: <b>LCS-R3786</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>68108</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	13.3	0.500	10.00	0	133	62.3	136				
Benzene	11.5	1.00	10.00	0	115	73.9	125				
Trichloroethene (TCE)	10.5	0.500	10.00	0	105	59.7	125				
Toluene	11.3	1.00	10.00	0	113	73	126				
Tetrachloroethene (PCE)	6.53	0.500	8.000	0	81.6	50	116				
Chlorobenzene	10.7	0.500	10.00	0	107	75.1	121				
Surr: 1-Bromo-4-fluorobenzene	9.34		10.00		93.4	79.2	120				
Surr: Dibromofluoromethane	10.2		10.00		102	76	114				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R3786</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/23/2012</b>	SeqNo: <b>68108</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Toluene-d8                      9.92                      10.00                      99.2                      86.8                      119

Sample ID: <b>1203151-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>							
Client ID: <b>HLMW-06B-032212</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/24/2012</b>	SeqNo: <b>68111</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.00						0	0	30	
Chloromethane	ND	1.00						0	0	30	
Vinyl chloride	ND	0.200						0	0	30	
Bromomethane	ND	1.00						0	0	30	
Trichlorofluoromethane (CFC-11)	2.29	1.00						2.240	2.21	30	
Chloroethane	ND	1.00						0	0	30	
1,1-Dichloroethene	ND	1.00						0	0	30	
Methylene chloride	ND	1.00						0	0	30	
trans-1,2-Dichloroethene	ND	1.00						0	0	30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0	0	30	
1,1-Dichloroethane	ND	1.00						0	0	30	
2,2-Dichloropropane	ND	2.00						0	0	30	
cis-1,2-Dichloroethene	ND	1.00						0	0	30	
Chloroform	ND	1.00						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0	0	30	
1,1-Dichloropropene	ND	1.00						0	0	30	
Carbon tetrachloride	ND	1.00						0	0	30	
1,2-Dichloroethane	ND	1.00						0	0	30	
Benzene	ND	1.00						0	0	30	

**Qualifiers:** B Analyte detected in the associated Method Blank                      D Dilution was required                      E Value above quantitation range  
 H Holding times for preparation or analysis exceeded                      J Analyte detected below quantitation limits                      ND Not detected at the Reporting Limit  
 R RPD outside accepted recovery limits                      RL Reporting Limit                      S Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1203151-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>HLMW-06B-032212</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/24/2012</b>	SeqNo: <b>68111</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	1.00						0	0	30	
1,2-Dichloropropane	ND	1.00						0	0	30	
Bromodichloromethane	ND	1.00						0	0	30	
Dibromomethane	ND	1.00						0	0	30	
cis-1,3-Dichloropropene	ND	1.00						0	0	30	
Toluene	ND	1.00						0	0	30	
trans-1,3-Dichloropropene	ND	1.00						0	0	30	
1,1,2-Trichloroethane	ND	1.00						0	0	30	
1,3-Dichloropropane	ND	1.00						0	0	30	
Tetrachloroethene (PCE)	ND	1.00						0	0	30	
Dibromochloromethane	ND	1.00						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.0100						0	0	30	
Chlorobenzene	ND	1.00						0	0	30	
1,1,1,2-Tetrachloroethane	ND	1.00						0	0	30	
Ethylbenzene	ND	1.00						0	0	30	
m,p-Xylene	ND	1.00						0	0	30	
o-Xylene	ND	1.00						0	0	30	
Styrene	ND	1.00						0	0	30	
Isopropylbenzene	ND	1.00						0	0	30	
Bromoform	ND	1.00						0	0	30	
1,1,1,2,2-Tetrachloroethane	ND	1.00						0	0	30	
n-Propylbenzene	ND	1.00						0	0	30	
Bromobenzene	ND	1.00						0	0	30	
1,3,5-Trimethylbenzene	ND	1.00						0	0	30	
2-Chlorotoluene	ND	1.00						0	0	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1203151-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>HLMW-06B-032212</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/24/2012</b>	SeqNo: <b>68111</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	1.00						0	0	30	
tert-Butylbenzene	ND	1.00						0	0	30	
1,2,3-Trichloropropane	ND	1.00						0	0	30	
1,2,4-Trichlorobenzene	ND	2.00						0	0	30	
sec-Butylbenzene	ND	1.00						0	0	30	
4-Isopropyltoluene	ND	1.00						0	0	30	
1,3-Dichlorobenzene	ND	1.00						0	0	30	
1,4-Dichlorobenzene	ND	1.00						0	0	30	
n-Butylbenzene	ND	1.00						0	0	30	
1,2-Dichlorobenzene	ND	1.00						0	0	30	
1,2-Dibromo-3-chloropropane	ND	1.00						0	0	30	
1,2,4-Trimethylbenzene	ND	1.00						0	0	30	
Hexachlorobutadiene	ND	4.00						0	0	30	
Naphthalene	ND	1.00						0	0	30	
1,2,3-Trichlorobenzene	ND	4.00						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	9.27		10.00		92.7	79.2	120		0		
Surr: Dibromofluoromethane	10.3		10.00		103	76	114		0		
Surr: Toluene-d8	10.0		10.00		100	86.8	119		0		

Sample ID: <b>1203152-003AMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>BATCH</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/24/2012</b>	SeqNo: <b>68120</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	12.6	0.500	10.00	0	126	54.9	139				
Benzene	10.8	1.00	10.00	0	108	70.7	126				

**Qualifiers:** B Analyte detected in the associated Method Blank      D Dilution was required      E Value above quantitation range  
 H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits      ND Not detected at the Reporting Limit  
 R RPD outside accepted recovery limits      RL Reporting Limit      S Spike recovery outside accepted recovery limits



Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1203152-003AMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>BATCH</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/24/2012</b>	SeqNo: <b>68120</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	10.1	0.500	10.00	0	101	51.8	131				
Toluene	10.4	1.00	10.00	0	104	72.4	122				
Tetrachloroethene (PCE)	6.26	0.500	8.000	0	78.2	50	121				
Chlorobenzene	10.0	0.500	10.00	0	100	68.3	123				
Surr: 1-Bromo-4-fluorobenzene	8.96		10.00		89.6	79.2	120				
Surr: Dibromofluoromethane	10.2		10.00		102	76	114				
Surr: Toluene-d8	9.89		10.00		98.9	86.8	119				

Sample ID: <b>1203152-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>BATCH</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/24/2012</b>	SeqNo: <b>68127</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0	0	30	
Chloromethane	ND	0.500						0	0	30	
Vinyl chloride	1.26	0.200						1.220	3.23	30	
Bromomethane	ND	0.500						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0	0	30	
Chloroethane	ND	0.500						0	0	30	
1,1-Dichloroethene	ND	0.500						0	0	30	
Methylene chloride	ND	1.00						0	0	30	
trans-1,2-Dichloroethene	ND	0.500						0	0	30	
1,1-Dichloroethane	ND	0.500						0	0	30	
2,2-Dichloropropane	ND	1.00						0	0	30	
cis-1,2-Dichloroethene	2.45	0.500						2.580	5.17	30	
Chloroform	ND	1.00						0	0	30	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1203152-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>BATCH</b>	Batch ID: <b>R3786</b>		Analysis Date: <b>3/24/2012</b>	SeqNo: <b>68127</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane (TCA)	ND	0.500						0	0	30	
1,1-Dichloropropene	ND	0.500						0	0	30	
Carbon tetrachloride	ND	0.500						0	0	30	
1,2-Dichloroethane	ND	0.500						0	0	30	
Trichloroethene (TCE)	ND	0.500						0	0	30	
1,2-Dichloropropane	ND	0.500						0	0	30	
Bromodichloromethane	ND	0.500						0	0	30	
Dibromomethane	ND	0.500						0	0	30	
cis-1,3-Dichloropropene	ND	0.500						0	0	30	
trans-1,3-Dichloropropene	ND	0.500						0	0	30	
1,1,2-Trichloroethane	ND	0.500						0	0	30	
1,3-Dichloropropane	ND	0.500						0	0	30	
Tetrachloroethene (PCE)	ND	0.500						0	0	30	
Dibromochloromethane	ND	0.500						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.200						0	0	30	
Chlorobenzene	ND	0.500						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.500						0	0	30	
Bromoform	ND	0.500						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.500						0	0	30	
Bromobenzene	ND	0.500						0	0	30	
2-Chlorotoluene	ND	0.500						0	0	30	
4-Chlorotoluene	ND	0.500						0	0	30	
1,2,3-Trichloropropane	ND	0.500						0	0	30	
1,2,4-Trichlorobenzene	ND	1.00						0	0	30	
1,3-Dichlorobenzene	ND	0.500						0	0	30	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1203151  
 CLIENT: Calibre  
 Project: Hytec/Bordeaux

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1203152-002ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>3/23/2012</b>	RunNo: <b>3786</b>
Client ID: <b>BATCH</b>	Batch ID: <b>R3786</b>	Analysis Date: <b>3/24/2012</b>	SeqNo: <b>68127</b>	

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	0.500						0	0	30	
1,2-Dichlorobenzene	ND	0.500						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.500						0	0	30	
Hexachlorobutadiene	ND	2.00						0	0	30	
1,2,3-Trichlorobenzene	ND	2.00						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	8.96		10.00		89.6	79.2	120		0		
Surr: Dibromofluoromethane	10.4		10.00		104	76	114		0		
Surr: Toluene-d8	10.1		10.00		101	86.8	119		0		

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **CLBRE**  
 Logged by: **Troy Zehr**

 Work Order Number: **1203151**  
 Date Received: **3/23/2012 8:47:00 AM**
**Chain of Custody**

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

**Log In**

4. Coolers are present? Yes  No  NA
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

**Item Information**

Item #	Temp °C	Condition
Cooler	3.8	Good
Temp Blank	2.9	Good



**Fremont**  
Analytical

1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Client: CALIBRE

Address:

City, State, Zip

Tel:

Reports To (PMI): Tom Mackeon

Fax:

Email: Tom.Mackeon@calibres.com Project No: K0308000

Project Name:

Location:

Collected by:

Hytec/Bordeaux

Littlerock, WA

G Dawson JN+stc

# Chain of Custody Record

Laboratory Project No (Internal): 1203151  
Page: 1 of 1  
Date: 3-22-12

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	VOC (EPA 8260) GX/RTX by EPA 8271b	GC/MS by EPA 8271b	Gasoline Range Organics Hydrocarbon Identification (HDI)	Semi-Vol (EPA 8270 - SIM)	PAH (EPA 8270 - SIM)	PCE (EPA 8082)	Chlorinated (EPA 8081)	Metals* (EPA 8210)	Total (T) Dissolved (D)	Anions (G+)	Comments/Depth
1 HLMW-07A-032212	3/22/12	1059	GW			X				X	X			
2 HLMW-06B-032212	3/22/12	1125	GW	X		X				X	X			
3 HLMW-03A-032212	3/22/12	1200	GW	X		X				X	X			
4 HLMW-05B-032212	3/22/12	1306	GW	X		X				X	X			
5 HLMW-02A-032212	3/22/12	1349	GW	X		X				X	X			
6 HLMW-01A-032212	3/22/12	1427	GW	X		X				X	X			
7 HLMW-04A-032212	3/22/12	1505	GW	X		X				X	X			MS/MSD
8 MOWE-032212	3/22/12	1530	GW	X		X				X	X			
9														
10														

\*Metals Analysis (Circle): MITCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (a fee may be assessed if samples are retained for 30 days.)

Special Remarks: Metals not field filtered. Need to be split, filtered & preserved for metals. Hold dissolved metals until Totals have been reviewed.

Received Date/Time: 3-23-12 0847  
Received Date/Time: 3/23/12 8:47

TAT -> Next Day 2 Day 3 Day 5D



1311 N. 35th St.  
Seattle, WA 98103  
T: (206) 352-3790  
F: (206) 352-7178  
info@fremontanalytical.com

**Calibre**

Jeff Dawson  
16935 SE 39th St.  
Bellevue, Washington 98008

**RE: Hytec-Luftkin**

**Lab ID: 1207067**

July 23, 2012

**Attention Jeff Dawson:**

Fremont Analytical, Inc. received 12 sample(s) on 7/13/2012 for the analyses presented in the following report.

***Dissolved Mercury by EPA Method 245.1***

***Dissolved Metals by EPA Method 200.8***

***Mercury by EPA Method 245.1***

***Semi-Volatile Organic Compounds by EPA Method 8270***

***Total Metals by EPA Method 200.8***

***Volatile Organic Compounds by EPA Method 8260***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

CC:  
Tom McKeon

Michael Dee  
Sr. Chemist / Principal



Date: 07/23/2012

**CLIENT:** Calibre  
**Project:** Hytec-Luftkin  
**Lab Order:** 1207067

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1207067-001	Trip Blank	07/11/2012 7:00 AM	07/13/2012 1:02 PM
1207067-002	MOWE-071112	07/11/2012 8:07 AM	07/13/2012 1:02 PM
1207067-003	HLMW-4B	07/11/2012 7:20 AM	07/13/2012 1:02 PM
1207067-004	SPWE-071112	07/11/2012 9:40 AM	07/13/2012 1:02 PM
1207067-005	HLMW-04A	07/11/2012 10:40 AM	07/13/2012 1:02 PM
1207067-006	HLMW-01A	07/11/2012 11:31 AM	07/13/2012 1:02 PM
1207067-007	PAWE-071112	07/11/2012 12:56 PM	07/13/2012 1:02 PM
1207067-008	HLMW-07A	07/11/2012 1:31 PM	07/13/2012 1:02 PM
1207067-009	HLMW-03A	07/11/2012 2:45 PM	07/13/2012 1:02 PM
1207067-010	HLMW-02A	07/11/2012 3:40 PM	07/13/2012 1:02 PM
1207067-011	HLMW-05B	07/12/2012 3:30 PM	07/13/2012 1:02 PM
1207067-012	HLMW-06B	07/13/2012 9:40 AM	07/13/2012 1:02 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

---

**I. SAMPLE RECEIPT:**

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 7:00:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-001

**Matrix:** Liquid

**Client Sample ID:** Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 10:24:00 AM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 10:24:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Chloroform	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Benzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Toluene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 10:24:00 AM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 7/11/2012 7:00:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-001

**Matrix:** Liquid

**Client Sample ID:** Trip Blank

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Styrene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Bromoform	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 10:24:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 10:24:00 AM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 10:24:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 10:24:00 AM
Surr: 1-Bromo-4-fluorobenzene	101	79.2-120		%REC	1	7/17/2012 10:24:00 AM
Surr: Dibromofluoromethane	97.9	76-114		%REC	1	7/17/2012 10:24:00 AM
Surr: Toluene-d8	99.4	86.8-119		%REC	1	7/17/2012 10:24:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/11/2012 8:07:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-002

**Matrix:** Water

**Client Sample ID:** MOWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 6:35:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 6:35:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 6:35:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 8:07:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-002

**Matrix:** Water

**Client Sample ID:** MOWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 6:35:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 6:35:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 6:35:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 6:35:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 6:35:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 6:35:00 PM
Surr: 2,4,6-Tribromophenol	73.9	24-138		%REC	1	7/19/2012 6:35:00 PM
Surr: 2-Fluorobiphenyl	71.6	38.6-138		%REC	1	7/19/2012 6:35:00 PM
Surr: Nitrobenzene-d5	73.7	31.7-140		%REC	1	7/19/2012 6:35:00 PM
Surr: Phenol-d6	30.8	15-116		%REC	1	7/19/2012 6:35:00 PM
Surr: p-Terphenyl	88.2	49-156		%REC	1	7/19/2012 6:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 8:07:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-002

**Matrix:** Water

**Client Sample ID:** MOWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 10:56:00 AM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 10:56:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Chloroform	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Benzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Toluene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 10:56:00 AM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 8:07:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-002

**Matrix:** Water

**Client Sample ID:** MOWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Styrene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Bromoform	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 10:56:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 10:56:00 AM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 10:56:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 10:56:00 AM
Surr: 1-Bromo-4-fluorobenzene	99.5	79.2-120		%REC	1	7/17/2012 10:56:00 AM
Surr: Dibromofluoromethane	98.6	76-114		%REC	1	7/17/2012 10:56:00 AM
Surr: Toluene-d8	100	86.8-119		%REC	1	7/17/2012 10:56:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	0.285	0.200		µg/L	1	7/17/2012 11:53:22 PM
Arsenic	1.71	1.00		µg/L	1	7/17/2012 11:53:22 PM
Beryllium	ND	0.200		µg/L	1	7/17/2012 11:53:22 PM
Cadmium	ND	0.200		µg/L	1	7/17/2012 11:53:22 PM
Chromium	0.540	0.500		µg/L	1	7/17/2012 11:53:22 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/11/2012 8:07:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-002

**Matrix:** Water

**Client Sample ID:** MOWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	ND	0.500		µg/L	1	7/17/2012 11:53:22 PM
Lead	ND	1.00		µg/L	1	7/17/2012 11:53:22 PM
Nickel	ND	0.500		µg/L	1	7/17/2012 11:53:22 PM
Thallium	ND	0.200		µg/L	1	7/17/2012 11:53:22 PM
Tin	9.18	1.00		µg/L	1	7/17/2012 11:53:22 PM
Zinc	22.4	1.50		µg/L	1	7/17/2012 11:53:22 PM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 2:38:50 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 7:20:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-003

**Matrix:** Water

**Client Sample ID:** HLMW-4B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 7:19:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 7:19:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 7:19:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 7:20:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-003

**Matrix:** Water

**Client Sample ID:** HLMW-4B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 7:19:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 7:19:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 7:19:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 7:19:00 PM
Di-n-butyl phthalate	1.31	1.00	B	µg/L	1	7/19/2012 7:19:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 7:19:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 7:19:00 PM
Surr: 2,4,6-Tribromophenol	79.4	24-138		%REC	1	7/19/2012 7:19:00 PM
Surr: 2-Fluorobiphenyl	76.6	38.6-138		%REC	1	7/19/2012 7:19:00 PM
Surr: Nitrobenzene-d5	78.0	31.7-140		%REC	1	7/19/2012 7:19:00 PM
Surr: Phenol-d6	34.1	15-116		%REC	1	7/19/2012 7:19:00 PM
Surr: p-Terphenyl	91.4	49-156		%REC	1	7/19/2012 7:19:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 7:20:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-003

**Matrix:** Water

**Client Sample ID:** HLMW-4B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 11:28:00 AM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Trichlorofluoromethane (CFC-11)	8.71	1.00		µg/L	1	7/17/2012 11:28:00 AM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 11:28:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Chloroform	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Benzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Toluene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 11:28:00 AM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 7:20:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-003

**Matrix:** Water

**Client Sample ID:** HLMW-4B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Styrene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Bromoform	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 11:28:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 11:28:00 AM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 11:28:00 AM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 11:28:00 AM
Surr: 1-Bromo-4-fluorobenzene	103	79.2-120		%REC	1	7/17/2012 11:28:00 AM
Surr: Dibromofluoromethane	100	76-114		%REC	1	7/17/2012 11:28:00 AM
Surr: Toluene-d8	101	86.8-119		%REC	1	7/17/2012 11:28:00 AM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	ND	0.200		µg/L	1	7/18/2012 12:06:30 AM
Arsenic	ND	1.00		µg/L	1	7/18/2012 12:06:30 AM
Beryllium	ND	0.200		µg/L	1	7/18/2012 12:06:30 AM
Cadmium	ND	0.200		µg/L	1	7/18/2012 12:06:30 AM
Chromium	4.84	0.500		µg/L	1	7/18/2012 12:06:30 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/11/2012 7:20:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-003

**Matrix:** Water

**Client Sample ID:** HLMW-4B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	4.72	0.500		µg/L	1	7/18/2012 12:06:30 AM
Lead	ND	1.00		µg/L	1	7/18/2012 12:06:30 AM
Nickel	2.91	0.500		µg/L	1	7/18/2012 12:06:30 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 12:06:30 AM
Tin	2.48	1.00		µg/L	1	7/18/2012 12:06:30 AM
Zinc	20.6	1.50		µg/L	1	7/18/2012 12:06:30 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 2:43:08 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-004

**Matrix:** Water

**Client Sample ID:** SPWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 7:40:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 7:40:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 7:40:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/11/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-004

**Matrix:** Water

**Client Sample ID:** SPWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 7:40:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Diethylphthalate	1.45	1.00		µg/L	1	7/19/2012 7:40:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 7:40:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 7:40:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 7:40:00 PM
Di-n-butyl phthalate	1.12	1.00	B	µg/L	1	7/19/2012 7:40:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 7:40:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 7:40:00 PM
Surr: 2,4,6-Tribromophenol	83.4	24-138		%REC	1	7/19/2012 7:40:00 PM
Surr: 2-Fluorobiphenyl	77.3	38.6-138		%REC	1	7/19/2012 7:40:00 PM
Surr: Nitrobenzene-d5	79.3	31.7-140		%REC	1	7/19/2012 7:40:00 PM
Surr: Phenol-d6	34.8	15-116		%REC	1	7/19/2012 7:40:00 PM
Surr: p-Terphenyl	95.6	49-156		%REC	1	7/19/2012 7:40:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-004

**Matrix:** Water

**Client Sample ID:** SPWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 12:00:00 PM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 12:00:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Chloroform	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Benzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Toluene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 12:00:00 PM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-004

**Matrix:** Water

**Client Sample ID:** SPWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Styrene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Bromoform	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 12:00:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 12:00:00 PM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 12:00:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 12:00:00 PM
Surr: 1-Bromo-4-fluorobenzene	102	79.2-120		%REC	1	7/17/2012 12:00:00 PM
Surr: Dibromofluoromethane	98.7	76-114		%REC	1	7/17/2012 12:00:00 PM
Surr: Toluene-d8	100	86.8-119		%REC	1	7/17/2012 12:00:00 PM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	0.288	0.200		µg/L	1	7/18/2012 12:13:04 AM
Arsenic	ND	1.00		µg/L	1	7/18/2012 12:13:04 AM
Beryllium	ND	0.200		µg/L	1	7/18/2012 12:13:04 AM
Cadmium	ND	0.200		µg/L	1	7/18/2012 12:13:04 AM
Chromium	2.33	0.500		µg/L	1	7/18/2012 12:13:04 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-004

**Matrix:** Water

**Client Sample ID:** SPWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	ND	0.500		µg/L	1	7/18/2012 12:13:04 AM
Lead	4.04	1.00		µg/L	1	7/18/2012 12:13:04 AM
Nickel	0.812	0.500		µg/L	1	7/18/2012 12:13:04 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 12:13:04 AM
Tin	1.63	1.00		µg/L	1	7/18/2012 12:13:04 AM
Zinc	22.0	1.50		µg/L	1	7/18/2012 12:13:04 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 2:45:16 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 10:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-005

**Matrix:** Water

**Client Sample ID:** HLMW-04A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 8:02:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 8:02:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 8:02:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 10:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-005

**Matrix:** Water

**Client Sample ID:** HLMW-04A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 8:02:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 8:02:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 8:02:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 8:02:00 PM
Di-n-butyl phthalate	1.37	1.00	B	µg/L	1	7/19/2012 8:02:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 8:02:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 8:02:00 PM
Surr: 2,4,6-Tribromophenol	80.8	24-138		%REC	1	7/19/2012 8:02:00 PM
Surr: 2-Fluorobiphenyl	77.7	38.6-138		%REC	1	7/19/2012 8:02:00 PM
Surr: Nitrobenzene-d5	77.8	31.7-140		%REC	1	7/19/2012 8:02:00 PM
Surr: Phenol-d6	35.0	15-116		%REC	1	7/19/2012 8:02:00 PM
Surr: p-Terphenyl	92.9	49-156		%REC	1	7/19/2012 8:02:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 10:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-005

**Matrix:** Water

**Client Sample ID:** HLMW-04A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 12:33:00 PM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Trichlorofluoromethane (CFC-11)	8.45	1.00		µg/L	1	7/17/2012 12:33:00 PM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 12:33:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Chloroform	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Benzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Toluene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 12:33:00 PM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 10:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-005

**Matrix:** Water

**Client Sample ID:** HLMW-04A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Styrene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Bromoform	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 12:33:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 12:33:00 PM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 12:33:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 12:33:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	79.2-120		%REC	1	7/17/2012 12:33:00 PM
Surr: Dibromofluoromethane	98.3	76-114		%REC	1	7/17/2012 12:33:00 PM
Surr: Toluene-d8	101	86.8-119		%REC	1	7/17/2012 12:33:00 PM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	ND	0.200		µg/L	1	7/18/2012 12:36:39 AM
Arsenic	1.67	1.00		µg/L	1	7/18/2012 12:36:39 AM
Beryllium	ND	0.200		µg/L	1	7/18/2012 12:36:39 AM
Cadmium	ND	0.200		µg/L	1	7/18/2012 12:36:39 AM
Chromium	4.50	0.500		µg/L	1	7/18/2012 12:36:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/11/2012 10:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-005

**Matrix:** Water

**Client Sample ID:** HLMW-04A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	4.12	0.500		µg/L	1	7/18/2012 12:36:39 AM
Lead	ND	1.00		µg/L	1	7/18/2012 12:36:39 AM
Nickel	2.82	0.500		µg/L	1	7/18/2012 12:36:39 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 12:36:39 AM
Tin	11.5	1.00		µg/L	1	7/18/2012 12:36:39 AM
Zinc	28.4	1.50		µg/L	1	7/18/2012 12:36:39 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 2:47:25 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 11:31:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 8:24:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 8:24:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 8:24:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 11:31:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 8:24:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 8:24:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 8:24:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 8:24:00 PM
Di-n-butyl phthalate	1.55	1.00	B	µg/L	1	7/19/2012 8:24:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Bis(2-ethylhexyl) phthalate	3.70	1.00		µg/L	1	7/19/2012 8:24:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 8:24:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 8:24:00 PM
Surr: 2,4,6-Tribromophenol	88.1	24-138		%REC	1	7/19/2012 8:24:00 PM
Surr: 2-Fluorobiphenyl	86.2	38.6-138		%REC	1	7/19/2012 8:24:00 PM
Surr: Nitrobenzene-d5	94.2	31.7-140		%REC	1	7/19/2012 8:24:00 PM
Surr: Phenol-d6	38.0	15-116		%REC	1	7/19/2012 8:24:00 PM
Surr: p-Terphenyl	97.0	49-156		%REC	1	7/19/2012 8:24:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 11:31:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 1:05:00 PM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 1:05:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Chloroform	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Benzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Toluene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 1:05:00 PM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 11:31:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Styrene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Bromoform	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 1:05:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 1:05:00 PM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 1:05:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 1:05:00 PM
Surr: 1-Bromo-4-fluorobenzene	103	79.2-120		%REC	1	7/17/2012 1:05:00 PM
Surr: Dibromofluoromethane	99.3	76-114		%REC	1	7/17/2012 1:05:00 PM
Surr: Toluene-d8	101	86.8-119		%REC	1	7/17/2012 1:05:00 PM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	0.503	0.200		µg/L	1	7/18/2012 12:43:13 AM
Arsenic	8.51	1.00		µg/L	1	7/18/2012 12:43:13 AM
Beryllium	1.02	0.200		µg/L	1	7/18/2012 12:43:13 AM
Cadmium	0.486	0.200		µg/L	1	7/18/2012 12:43:13 AM
Chromium	138	0.500		µg/L	1	7/18/2012 12:43:13 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/11/2012 11:31:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-006

**Matrix:** Water

**Client Sample ID:** HLMW-01A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	85.0	0.500		µg/L	1	7/18/2012 12:43:13 AM
Lead	11.8	1.00		µg/L	1	7/18/2012 12:43:13 AM
Nickel	76.2	0.500		µg/L	1	7/18/2012 12:43:13 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 12:43:13 AM
Tin	5.77	1.00		µg/L	1	7/18/2012 12:43:13 AM
Zinc	132	1.50		µg/L	1	7/18/2012 12:43:13 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 2:49:33 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 12:56:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-007

**Matrix:** Water

**Client Sample ID:** PAWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 8:46:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 8:46:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 8:46:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 12:56:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-007

**Matrix:** Water

**Client Sample ID:** PAWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 8:46:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 8:46:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 8:46:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 8:46:00 PM
Di-n-butyl phthalate	1.46	1.00	B	µg/L	1	7/19/2012 8:46:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 8:46:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 8:46:00 PM
Surr: 2,4,6-Tribromophenol	78.2	24-138		%REC	1	7/19/2012 8:46:00 PM
Surr: 2-Fluorobiphenyl	49.0	38.6-138		%REC	1	7/19/2012 8:46:00 PM
Surr: Nitrobenzene-d5	41.4	31.7-140		%REC	1	7/19/2012 8:46:00 PM
Surr: Phenol-d6	17.4	15-116		%REC	1	7/19/2012 8:46:00 PM
Surr: p-Terphenyl	86.9	49-156		%REC	1	7/19/2012 8:46:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 12:56:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-007

**Matrix:** Water

**Client Sample ID:** PAWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 1:37:00 PM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 1:37:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Chloroform	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Benzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Toluene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 1:37:00 PM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 12:56:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-007

**Matrix:** Water

**Client Sample ID:** PAWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Styrene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Bromoform	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 1:37:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 1:37:00 PM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 1:37:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 1:37:00 PM
Surr: 1-Bromo-4-fluorobenzene	100	79.2-120		%REC	1	7/17/2012 1:37:00 PM
Surr: Dibromofluoromethane	99.1	76-114		%REC	1	7/17/2012 1:37:00 PM
Surr: Toluene-d8	99.7	86.8-119		%REC	1	7/17/2012 1:37:00 PM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	ND	0.200		µg/L	1	7/18/2012 12:49:46 AM
Arsenic	ND	1.00		µg/L	1	7/18/2012 12:49:46 AM
Beryllium	ND	0.200		µg/L	1	7/18/2012 12:49:46 AM
Cadmium	ND	0.200		µg/L	1	7/18/2012 12:49:46 AM
Chromium	ND	0.500		µg/L	1	7/18/2012 12:49:46 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 12:56:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-007

**Matrix:** Water

**Client Sample ID:** PAWE-071112

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b><u>Total Metals by EPA Method 200.8</u></b>					Batch ID: 2790	Analyst: BR
Copper	7.03	0.500		µg/L	1	7/18/2012 12:49:46 AM
Lead	ND	1.00		µg/L	1	7/18/2012 12:49:46 AM
Nickel	ND	0.500		µg/L	1	7/18/2012 12:49:46 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 12:49:46 AM
Tin	2.68	1.00		µg/L	1	7/18/2012 12:49:46 AM
Zinc	18.6	1.50		µg/L	1	7/18/2012 12:49:46 AM
<b><u>Mercury by EPA Method 245.1</u></b>					Batch ID: 2798	Analyst: MC
Mercury	ND	0.100		µg/L	1	7/18/2012 2:55:58 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 1:31:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-008

**Matrix:** Water

**Client Sample ID:** HLMW-07A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 9:08:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 9:08:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 9:08:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 1:31:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-008

**Matrix:** Water

**Client Sample ID:** HLMW-07A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 9:08:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 9:08:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 9:08:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 9:08:00 PM
Di-n-butyl phthalate	1.52	1.00	B	µg/L	1	7/19/2012 9:08:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Benzyl Butylphthalate	1.00	1.00		µg/L	1	7/19/2012 9:08:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 9:08:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 9:08:00 PM
Surr: 2,4,6-Tribromophenol	83.0	24-138		%REC	1	7/19/2012 9:08:00 PM
Surr: 2-Fluorobiphenyl	83.3	38.6-138		%REC	1	7/19/2012 9:08:00 PM
Surr: Nitrobenzene-d5	86.5	31.7-140		%REC	1	7/19/2012 9:08:00 PM
Surr: Phenol-d6	36.0	15-116		%REC	1	7/19/2012 9:08:00 PM
Surr: p-Terphenyl	94.5	49-156		%REC	1	7/19/2012 9:08:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 1:31:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-008

**Matrix:** Water

**Client Sample ID:** HLMW-07A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 2:09:00 PM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 2:09:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Chloroform	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Benzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Toluene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 2:09:00 PM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 1:31:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-008

**Matrix:** Water

**Client Sample ID:** HLMW-07A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Styrene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Bromoform	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 2:09:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 2:09:00 PM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 2:09:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 2:09:00 PM
Surr: 1-Bromo-4-fluorobenzene	101	79.2-120		%REC	1	7/17/2012 2:09:00 PM
Surr: Dibromofluoromethane	99.0	76-114		%REC	1	7/17/2012 2:09:00 PM
Surr: Toluene-d8	99.6	86.8-119		%REC	1	7/17/2012 2:09:00 PM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	ND	0.200		µg/L	1	7/18/2012 12:56:19 AM
Arsenic	1.27	1.00		µg/L	1	7/18/2012 12:56:19 AM
Beryllium	ND	0.200		µg/L	1	7/18/2012 12:56:19 AM
Cadmium	ND	0.200		µg/L	1	7/18/2012 12:56:19 AM
Chromium	6.07	0.500		µg/L	1	7/18/2012 12:56:19 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/11/2012 1:31:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-008

**Matrix:** Water

**Client Sample ID:** HLMW-07A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	11.3	0.500		µg/L	1	7/18/2012 12:56:19 AM
Lead	ND	1.00		µg/L	1	7/18/2012 12:56:19 AM
Nickel	7.58	0.500		µg/L	1	7/18/2012 12:56:19 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 12:56:19 AM
Tin	1.77	1.00		µg/L	1	7/18/2012 12:56:19 AM
Zinc	33.9	1.50		µg/L	1	7/18/2012 12:56:19 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 2:58:06 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 2:45:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-009

**Matrix:** Water

**Client Sample ID:** HLMW-03A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 10:35:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 10:35:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 10:35:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 2:45:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-009

**Matrix:** Water

**Client Sample ID:** HLMW-03A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 10:35:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 10:35:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 10:35:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 10:35:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 10:35:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 10:35:00 PM
Surr: 2,4,6-Tribromophenol	77.5	24-138		%REC	1	7/19/2012 10:35:00 PM
Surr: 2-Fluorobiphenyl	79.3	38.6-138		%REC	1	7/19/2012 10:35:00 PM
Surr: Nitrobenzene-d5	84.0	31.7-140		%REC	1	7/19/2012 10:35:00 PM
Surr: Phenol-d6	34.6	15-116		%REC	1	7/19/2012 10:35:00 PM
Surr: p-Terphenyl	87.6	49-156		%REC	1	7/19/2012 10:35:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 2:45:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-009

**Matrix:** Water

**Client Sample ID:** HLMW-03A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 3:15:00 PM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Trichlorofluoromethane (CFC-11)	1.92	1.00		µg/L	1	7/17/2012 3:15:00 PM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 3:15:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Chloroform	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Benzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Toluene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 3:15:00 PM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 2:45:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-009

**Matrix:** Water

**Client Sample ID:** HLMW-03A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Styrene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Bromoform	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 3:15:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 3:15:00 PM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 3:15:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 3:15:00 PM
Surr: 1-Bromo-4-fluorobenzene	100	79.2-120		%REC	1	7/17/2012 3:15:00 PM
Surr: Dibromofluoromethane	98.7	76-114		%REC	1	7/17/2012 3:15:00 PM
Surr: Toluene-d8	101	86.8-119		%REC	1	7/17/2012 3:15:00 PM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	0.222	0.200		µg/L	1	7/18/2012 1:16:59 AM
Arsenic	7.11	1.00		µg/L	1	7/18/2012 1:16:59 AM
Beryllium	0.256	0.200		µg/L	1	7/18/2012 1:16:59 AM
Cadmium	ND	0.200		µg/L	1	7/18/2012 1:16:59 AM
Chromium	15.2	0.500		µg/L	1	7/18/2012 1:16:59 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 7/11/2012 2:45:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-009

**Matrix:** Water

**Client Sample ID:** HLMW-03A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	20.8	0.500		µg/L	1	7/18/2012 1:16:59 AM
Lead	2.45	1.00		µg/L	1	7/18/2012 1:16:59 AM
Nickel	18.4	0.500		µg/L	1	7/18/2012 1:16:59 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 1:16:59 AM
Tin	10.7	1.00		µg/L	1	7/18/2012 1:16:59 AM
Zinc	57.9	1.50		µg/L	1	7/18/2012 1:16:59 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 3:04:33 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 3:40:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-010

**Matrix:** Water

**Client Sample ID:** HLMW-02A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 10:56:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 10:56:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 10:56:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 3:40:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-010

**Matrix:** Water

**Client Sample ID:** HLMW-02A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 10:56:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 10:56:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 10:56:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 10:56:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 10:56:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 10:56:00 PM
Surr: 2,4,6-Tribromophenol	68.8	24-138		%REC	1	7/19/2012 10:56:00 PM
Surr: 2-Fluorobiphenyl	72.9	38.6-138		%REC	1	7/19/2012 10:56:00 PM
Surr: Nitrobenzene-d5	81.1	31.7-140		%REC	1	7/19/2012 10:56:00 PM
Surr: Phenol-d6	33.8	15-116		%REC	1	7/19/2012 10:56:00 PM
Surr: p-Terphenyl	86.1	49-156		%REC	1	7/19/2012 10:56:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 3:40:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-010

**Matrix:** Water

**Client Sample ID:** HLMW-02A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 5:28:00 PM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Trichlorofluoromethane (CFC-11)	3.17	1.00		µg/L	1	7/18/2012 11:08:00 PM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 5:28:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Chloroform	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Benzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Toluene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 5:28:00 PM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/11/2012 3:40:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-010

**Matrix:** Water

**Client Sample ID:** HLMW-02A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Styrene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Bromoform	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 5:28:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 5:28:00 PM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 5:28:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 5:28:00 PM
Surr: 1-Bromo-4-fluorobenzene	88.2	79.2-120		%REC	1	7/17/2012 5:28:00 PM
Surr: Dibromofluoromethane	112	76-114		%REC	1	7/17/2012 5:28:00 PM
Surr: Toluene-d8	102	86.8-119		%REC	1	7/17/2012 5:28:00 PM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	ND	0.200		µg/L	1	7/18/2012 1:23:33 AM
Arsenic	2.64	1.00		µg/L	1	7/18/2012 1:23:33 AM
Beryllium	0.344	0.200		µg/L	1	7/18/2012 1:23:33 AM
Cadmium	0.366	0.200		µg/L	1	7/18/2012 1:23:33 AM
Chromium	16.2	0.500		µg/L	1	7/18/2012 1:23:33 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/11/2012 3:40:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-010

**Matrix:** Water

**Client Sample ID:** HLMW-02A

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	66.9	0.500		µg/L	1	7/18/2012 1:23:33 AM
Lead	3.79	1.00		µg/L	1	7/18/2012 1:23:33 AM
Nickel	13.5	0.500		µg/L	1	7/18/2012 1:23:33 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 1:23:33 AM
Tin	4.30	1.00		µg/L	1	7/18/2012 1:23:33 AM
Zinc	63.0	1.50		µg/L	1	7/18/2012 1:23:33 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 3:06:42 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/12/2012 3:30:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-011

**Matrix:** Water

**Client Sample ID:** HLMW-05B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 11:18:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 11:18:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 11:18:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/12/2012 3:30:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-011

**Matrix:** Water

**Client Sample ID:** HLMW-05B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 11:18:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 11:18:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 11:18:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 11:18:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 11:18:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 11:18:00 PM
Surr: 2,4,6-Tribromophenol	73.8	24-138		%REC	1	7/19/2012 11:18:00 PM
Surr: 2-Fluorobiphenyl	77.6	38.6-138		%REC	1	7/19/2012 11:18:00 PM
Surr: Nitrobenzene-d5	79.9	31.7-140		%REC	1	7/19/2012 11:18:00 PM
Surr: Phenol-d6	35.1	15-116		%REC	1	7/19/2012 11:18:00 PM
Surr: p-Terphenyl	84.8	49-156		%REC	1	7/19/2012 11:18:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits





**Client:** Calibre

**Collection Date:** 7/12/2012 3:30:00 PM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-011

**Matrix:** Water

**Client Sample ID:** HLMW-05B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	0.600	0.200		µg/L	1	7/18/2012 1:30:06 AM
Arsenic	1.82	1.00		µg/L	1	7/18/2012 1:30:06 AM
Beryllium	ND	0.200		µg/L	1	7/18/2012 1:30:06 AM
Cadmium	ND	0.200		µg/L	1	7/18/2012 1:30:06 AM
Chromium	3.58	0.500		µg/L	1	7/18/2012 1:30:06 AM
Copper	7.63	0.500		µg/L	1	7/18/2012 1:30:06 AM
Lead	ND	1.00		µg/L	1	7/18/2012 1:30:06 AM
Nickel	7.06	0.500		µg/L	1	7/18/2012 1:30:06 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 1:30:06 AM
Tin	13.8	1.00		µg/L	1	7/18/2012 1:30:06 AM
Zinc	31.3	1.50		µg/L	1	7/18/2012 1:30:06 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 3:08:52 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/13/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-012

**Matrix:** Water

**Client Sample ID:** HLMW-06B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

Phenol	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Hexachloroethane	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Nitrobenzene	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
Isophorone	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Naphthalene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	7/19/2012 11:40:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	7/19/2012 11:40:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
2-Nitroaniline	ND	5.00		µg/L	1	7/19/2012 11:40:00 PM
Acenaphthene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Acenaphthylene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
Dibenzofuran	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/13/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-012

**Matrix:** Water

**Client Sample ID:** HLMW-06B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Semi-Volatile Organic Compounds by EPA Method 8270**

Batch ID: 2823

Analyst: PH

2,4-Dinitrotoluene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	7/19/2012 11:40:00 PM
Fluorene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Diethylphthalate	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	7/19/2012 11:40:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	7/19/2012 11:40:00 PM
Phenanthrene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Anthracene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Carbazole	ND	5.00		µg/L	1	7/19/2012 11:40:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Fluoranthene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Pyrene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Chrysene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	7/19/2012 11:40:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Benzo (g,h,i) perylene	ND	0.500		µg/L	1	7/19/2012 11:40:00 PM
Surr: 2,4,6-Tribromophenol	57.4	24-138		%REC	1	7/19/2012 11:40:00 PM
Surr: 2-Fluorobiphenyl	52.9	38.6-138		%REC	1	7/19/2012 11:40:00 PM
Surr: Nitrobenzene-d5	42.1	31.7-140		%REC	1	7/19/2012 11:40:00 PM
Surr: Phenol-d6	21.1	15-116		%REC	1	7/19/2012 11:40:00 PM
Surr: p-Terphenyl	71.0	49-156		%REC	1	7/19/2012 11:40:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/13/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-012

**Matrix:** Water

**Client Sample ID:** HLMW-06B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Chloromethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Vinyl chloride	ND	0.200		µg/L	1	7/17/2012 6:34:00 PM
Bromomethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Trichlorofluoromethane (CFC-11)	2.05	1.00		µg/L	1	7/17/2012 6:34:00 PM
Chloroethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Methylene chloride	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	7/17/2012 6:34:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Chloroform	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Benzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Trichloroethene (TCE)	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Dibromomethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Toluene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	7/17/2012 6:34:00 PM
Chlorobenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Ethylbenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
m,p-Xylene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



# Analytical Report

WO#: 1207067

Date Reported: 7/23/2012

**Client:** Calibre

**Collection Date:** 7/13/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-012

**Matrix:** Water

**Client Sample ID:** HLMW-06B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Volatile Organic Compounds by EPA Method 8260**

Batch ID: R4997

Analyst: EM

o-Xylene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Styrene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Bromoform	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Bromobenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	7/17/2012 6:34:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	7/17/2012 6:34:00 PM
Naphthalene	ND	1.00		µg/L	1	7/17/2012 6:34:00 PM
1,2,3-Trichlorobenzene	ND	4.00		µg/L	1	7/17/2012 6:34:00 PM
Surr: 1-Bromo-4-fluorobenzene	89.1	79.2-120		%REC	1	7/17/2012 6:34:00 PM
Surr: Dibromofluoromethane	111	76-114		%REC	1	7/17/2012 6:34:00 PM
Surr: Toluene-d8	99.8	86.8-119		%REC	1	7/17/2012 6:34:00 PM

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Antimony	0.329	0.200		µg/L	1	7/18/2012 1:36:39 AM
Arsenic	1.20	1.00		µg/L	1	7/18/2012 1:36:39 AM
Beryllium	ND	0.200		µg/L	1	7/18/2012 1:36:39 AM
Cadmium	ND	0.200		µg/L	1	7/18/2012 1:36:39 AM
Chromium	7.85	0.500		µg/L	1	7/18/2012 1:36:39 AM

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits



**Client:** Calibre

**Collection Date:** 7/13/2012 9:40:00 AM

**Project:** Hytec-Luftkin

**Lab ID:** 1207067-012

**Matrix:** Water

**Client Sample ID:** HLMW-06B

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

**Total Metals by EPA Method 200.8**

Batch ID: 2790

Analyst: BR

Copper	15.5	0.500		µg/L	1	7/18/2012 1:36:39 AM
Lead	ND	1.00		µg/L	1	7/18/2012 1:36:39 AM
Nickel	6.52	0.500		µg/L	1	7/18/2012 1:36:39 AM
Thallium	ND	0.200		µg/L	1	7/18/2012 1:36:39 AM
Tin	4.42	1.00		µg/L	1	7/18/2012 1:36:39 AM
Zinc	34.3	1.50		µg/L	1	7/18/2012 1:36:39 AM

**Mercury by EPA Method 245.1**

Batch ID: 2798

Analyst: MC

Mercury	ND	0.100		µg/L	1	7/18/2012 3:11:01 PM
---------	----	-------	--	------	---	----------------------

**Qualifiers:** B Analyte detected in the associated Method Blank  
 E Value above quantitation range  
 J Analyte detected below quantitation limits  
 RL Reporting Limit

D Dilution was required  
 H Holding times for preparation or analysis exceeded  
 ND Not detected at the Reporting Limit  
 S Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 200.8**

Sample ID: <b>MB-2790</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>4995</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>2790</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96331</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	1.00									
Beryllium	ND	0.200									
Cadmium	ND	0.200									
Chromium	ND	0.500									
Copper	ND	0.500									
Lead	ND	1.00									
Nickel	ND	0.500									
Thallium	ND	0.200									
Tin	ND	1.00									
Zinc	ND	1.50									

Sample ID: <b>LCS-2790</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>4995</b>
Client ID: <b>LCSW</b>	Batch ID: <b>2790</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96332</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.19	0.200	5.000	0	104	85	115				
Arsenic	103	1.00	100.0	0	103	85	115				
Beryllium	5.21	0.200	5.000	0	104	85	115				
Cadmium	5.22	0.200	5.000	0	104	85	115				
Chromium	109	0.500	100.0	0	109	85	115				
Copper	107	0.500	100.0	0	107	85	115				
Lead	56.4	1.00	50.00	0	113	85	115				
Nickel	97.5	0.500	100.0	0	97.5	85	115				
Thallium	2.84	0.200	2.500	0	113	85	115				
Tin	102	1.00	100.0	0	102	85	115				
Zinc	107	1.50	100.0	0	107	85	115				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 200.8**

Sample ID: <b>1207067-002CDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>4995</b>							
Client ID: <b>MOWE-071112</b>	Batch ID: <b>2790</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96334</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200						0.2850	200	30	R
Arsenic	ND	1.00						1.712	200	30	R
Beryllium	ND	0.200						0	0	30	
Cadmium	ND	0.200						0	0	30	
Chromium	ND	0.500						0.5395	200	30	R
Copper	ND	0.500						0	0	30	
Lead	ND	1.00						0	0	30	R
Nickel	ND	0.500						0	200	30	R
Thallium	ND	0.200						0	0	30	
Tin	3.49	1.00						9.184	89.8	30	R
Zinc	22.3	1.50						22.44	0.444	30	

**NOTES:**

R - High RPD for Sn. The method is in control as indicated by the laboratory control sample (LCS).

Sample ID: <b>1207067-008CMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>4995</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2790</b>		Analysis Date: <b>7/18/2012</b>	SeqNo: <b>96343</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	28.0	0.200	25.00	0.1045	112	70	130				
Arsenic	526	1.00	500.0	1.267	105	70	130				
Beryllium	26.4	0.200	25.00	0.1045	105	70	130				
Cadmium	26.4	0.200	25.00	0	106	70	130				
Chromium	563	0.500	500.0	6.073	111	70	130				
Copper	548	0.500	500.0	11.29	107	70	130				
Lead	286	1.00	250.0	0.7985	114	70	130				
Nickel	506	0.500	500.0	7.578	99.7	70	130				
Thallium	14.4	0.200	12.50	0.03650	115	70	130				
Tin	517	1.00	500.0	1.771	103	70	130				
Zinc	551	1.50	500.0	33.87	103	70	130				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits



**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Total Metals by EPA Method 200.8**

Sample ID: <b>1207067-008CMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>4995</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2790</b>	Analysis Date: <b>7/18/2012</b>	SeqNo: <b>96343</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: <b>1207067-008CMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>4995</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2790</b>	Analysis Date: <b>7/18/2012</b>	SeqNo: <b>96344</b>								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	28.1	0.200	25.00	0.1045	112	70	130	28.00	0.203	30
Arsenic	536	1.00	500.0	1.267	107	70	130	525.9	1.88	30
Beryllium	26.6	0.200	25.00	0.1045	106	70	130	26.38	0.665	30
Cadmium	26.4	0.200	25.00	0	105	70	130	26.45	0.295	30
Chromium	574	0.500	500.0	6.073	114	70	130	563.1	1.91	30
Copper	546	0.500	500.0	11.29	107	70	130	548.4	0.474	30
Lead	287	1.00	250.0	0.7985	115	70	130	285.9	0.490	30
Nickel	509	0.500	500.0	7.578	100	70	130	506.0	0.542	30
Thallium	14.4	0.200	12.50	0.03650	115	70	130	14.44	0.399	30
Tin	535	1.00	500.0	1.771	107	70	130	516.7	3.48	30
Zinc	556	1.50	500.0	33.87	104	70	130	550.5	0.908	30

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Mercury by EPA Method 245.1**

Sample ID: <b>MB-2798</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>5003</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>2798</b>		Analysis Date: <b>7/18/2012</b>	SeqNo: <b>96723</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.100

Sample ID: <b>LCS-2798</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>5003</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>2798</b>		Analysis Date: <b>7/18/2012</b>	SeqNo: <b>96724</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 1.92 0.100 2.000 0 96.0 85 115

Sample ID: <b>1207067-002CDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>5003</b>							
Client ID: <b>MOWE-071112</b>	Batch ID: <b>2798</b>		Analysis Date: <b>7/18/2012</b>	SeqNo: <b>96726</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.100 0 0 20

Sample ID: <b>1207067-008CMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>5003</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2798</b>		Analysis Date: <b>7/18/2012</b>	SeqNo: <b>96735</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 1.88 0.100 2.000 0 94.0 85 115

Sample ID: <b>1207067-008CMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>5003</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2798</b>		Analysis Date: <b>7/18/2012</b>	SeqNo: <b>96736</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 1.92 0.100 2.000 0 96.0 85 115 1.880 2.11 20

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
R RPD outside accepted recovery limits  
D Dilution was required  
J Analyte detected below quantitation limits  
RL Reporting Limit  
E Value above quantitation range  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>MB-2823</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97636</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	ND	2.00									
2-Chlorophenol	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
Benzyl alcohol	ND	1.00									
Bis(2-chloroethyl) ether	ND	2.00									
2-Methylphenol (o-cresol)	ND	1.00									
Hexachloroethane	ND	1.00									
N-Nitrosodi-n-propylamine	ND	1.00									
Nitrobenzene	ND	2.00									
Isophorone	ND	1.00									
4-Methylphenol (p-cresol)	ND	1.00									
2-Nitrophenol	ND	2.00									
2,4-Dimethylphenol	ND	1.00									
Bis(2-chloroethoxy)methane	ND	1.00									
2,4-Dichlorophenol	ND	2.00									
1,2,4-Trichlorobenzene	ND	1.00									
Naphthalene	ND	0.500									
4-Chloroaniline	ND	5.00									
Hexachlorobutadiene	ND	1.00									
4-Chloro-3-methylphenol	ND	5.00									
2-Methylnaphthalene	ND	0.500									
1-Methylnaphthalene	ND	0.500									
Hexachlorocyclopentadiene	ND	1.00									
2,4,6-Trichlorophenol	ND	2.00									
2,4,5-Trichlorophenol	ND	2.00									
2-Chloronaphthalene	ND	1.00									
2-Nitroaniline	ND	5.00									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>MB-2823</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97636</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Acenaphthene	ND	0.500									
Dimethylphthalate	ND	1.00									
2,6-Dinitrotoluene	ND	1.00									
Acenaphthylene	ND	0.500									
2,4-Dinitrophenol	ND	2.00									
Dibenzofuran	ND	1.00									
2,4-Dinitrotoluene	ND	1.00									
4-Nitrophenol	ND	5.00									
Fluorene	ND	0.500									
4-Chlorophenyl phenyl ether	ND	1.00									
Diethylphthalate	ND	1.00									
4,6-Dinitro-2-methylphenol	ND	5.00									
4-Bromophenyl phenyl ether	ND	1.00									
Hexachlorobenzene	ND	1.00									
Pentachlorophenol	ND	2.00									
Phenanthrene	ND	0.500									
Anthracene	ND	0.500									
Carbazole	ND	5.00									
Di-n-butyl phthalate	1.24	1.00									
Fluoranthene	ND	0.500									
Pyrene	ND	0.500									
Benzyl Butylphthalate	ND	1.00									
bis(2-Ethylhexyl)adipate	ND	1.00									
Benz[a]anthracene	ND	0.500									
Chrysene	ND	0.500									
Bis(2-ethylhexyl) phthalate	ND	1.00									
Di-n-octyl phthalate	ND	1.00									
Benzo (b) fluoranthene	ND	0.500									
Benzo (k) fluoranthene	ND	0.500									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>MB-2823</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97636</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzo[a]pyrene	ND	0.500									
Indeno (1,2,3-cd) pyrene	ND	0.500									
Dibenzo (a,h) anthracene	ND	0.500									
Benzo (g,h,i) perylene	ND	0.500									
Surr: 2,4,6-Tribromophenol	2.75		4.000		68.8	24	138				
Surr: 2-Fluorobiphenyl	1.54		2.000		76.8	38.6	138				
Surr: Nitrobenzene-d5	1.53		2.000		76.6	31.7	140				
Surr: Phenol-d6	1.31		4.000		32.8	15	116				
Surr: p-Terphenyl	1.84		2.000		92.0	49	156				

Sample ID: <b>LCS-2823</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97637</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	2.52	2.00	8.000	0	31.5	15	112				
2-Chlorophenol	5.22	1.00	8.000	0	65.3	15	136				
1,3-Dichlorobenzene	5.39	1.00	8.000	0	67.4	50	150				
1,4-Dichlorobenzene	5.26	1.00	8.000	0	65.8	31.4	135				
1,2-Dichlorobenzene	5.49	1.00	8.000	0	68.6	50	150				
Benzyl alcohol	3.39	1.00	8.000	0	42.4	50	150				S
Bis(2-chloroethyl) ether	5.75	2.00	8.000	0	71.8	50	150				
2-Methylphenol (o-cresol)	4.48	1.00	8.000	0	56.1	50	150				
Hexachloroethane	5.49	1.00	8.000	0	68.6	50	150				
N-Nitrosodi-n-propylamine	5.96	1.00	8.000	0	74.4	20	136				
Nitrobenzene	5.45	2.00	8.000	0	68.1	50	150				
Isophorone	6.00	1.00	8.000	0	75.0	50	150				
4-Methylphenol (p-cresol)	4.42	1.00	8.000	0	55.2	50	150				
2-Nitrophenol	6.25	2.00	8.000	0	78.1	50	150				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>LCS-2823</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97637</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	5.81	1.00	8.000	0	72.6	50	150				
Bis(2-chloroethoxy)methane	6.01	1.00	8.000	0	75.1	50	150				
2,4-Dichlorophenol	5.95	2.00	8.000	0	74.4	50	150				
1,2,4-Trichlorobenzene	5.65	1.00	8.000	0	70.6	28.4	122				
Naphthalene	5.65	0.500	8.000	0	70.6	50	150				
4-Chloroaniline	ND	5.00	8.000	0	61.2	50	150				
Hexachlorobutadiene	5.35	1.00	8.000	0	66.9	50	150				
4-Chloro-3-methylphenol	6.13	5.00	8.000	0	76.6	15	145				
2-Methylnaphthalene	5.89	0.500	8.000	0	73.7	50	150				
1-Methylnaphthalene	5.78	0.500	8.000	0	72.2	50	150				
Hexachlorocyclopentadiene	5.04	1.00	8.000	0	63.0	50	150				
2,4,6-Trichlorophenol	6.37	2.00	8.000	0	79.7	50	150				
2,4,5-Trichlorophenol	5.06	2.00	8.000	0	63.3	50	150				
2-Chloronaphthalene	5.90	1.00	8.000	0	73.8	50	150				
2-Nitroaniline	5.80	5.00	8.000	0	72.5	50	150				
Acenaphthene	6.00	0.500	8.000	0	75.0	31.7	130				
Dimethylphthalate	6.55	1.00	8.000	0	81.9	50	150				
2,6-Dinitrotoluene	6.08	1.00	8.000	0	76.0	50	150				
Acenaphthylene	6.03	0.500	8.000	0	75.3	50	150				
2,4-Dinitrophenol	7.20	2.00	8.000	0	90.1	50	150				
Dibenzofuran	5.98	1.00	8.000	0	74.7	50	150				
2,4-Dinitrotoluene	5.76	1.00	8.000	0	71.9	21.2	111				
4-Nitrophenol	ND	5.00	8.000	0	30.4	50	150				S
Fluorene	6.24	0.500	8.000	0	77.9	50	150				
4-Chlorophenyl phenyl ether	6.20	1.00	8.000	0	77.4	50	150				
Diethylphthalate	7.38	1.00	8.000	0	92.2	50	150				
4,6-Dinitro-2-methylphenol	5.69	5.00	8.000	0	71.2	50	150				
4-Bromophenyl phenyl ether	6.37	1.00	8.000	0	79.6	50	150				
Hexachlorobenzene	6.09	1.00	8.000	0	76.1	50	150				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>LCS-2823</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>
Client ID: <b>LCSW</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97637</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pentachlorophenol	6.31	2.00	8.000	0	78.8	16.1	128				
Phenanthrene	6.47	0.500	8.000	0	80.8	50	150				
Anthracene	6.63	0.500	8.000	0	82.9	50	150				
Carbazole	7.25	5.00	8.000	0	90.7	50	150				
Di-n-butyl phthalate	10.5	1.00	8.000	0	132	50	150				B
Fluoranthene	7.15	0.500	8.000	0	89.4	50	150				
Pyrene	7.18	0.500	8.000	0	89.7	54.8	143				
Benzyl Butylphthalate	7.36	1.00	8.000	0	92.0	50	150				
bis(2-Ethylhexyl)adipate	6.87	1.00	8.000	0	85.9	50	150				
Benz[a]anthracene	6.56	0.500	8.000	0	82.0	50	150				
Chrysene	6.67	0.500	8.000	0	83.4	50	150				
Bis(2-ethylhexyl) phthalate	7.96	1.00	8.000	0	99.5	50	150				
Di-n-octyl phthalate	8.58	1.00	8.000	0	107	50	150				
Benzo (b) fluoranthene	6.43	0.500	8.000	0	80.4	50	150				
Benzo (k) fluoranthene	6.46	0.500	8.000	0	80.7	50	150				
Benzo[a]pyrene	6.16	0.500	8.000	0	77.1	50	150				
Indeno (1,2,3-cd) pyrene	5.15	0.500	8.000	0	64.4	50	150				
Dibenzo (a,h) anthracene	5.46	0.500	8.000	0	68.2	50	150				
Benzo (g,h,i) perylene	5.12	0.500	8.000	0	64.0	50	150				
Surr: 2,4,6-Tribromophenol	3.53		4.000		88.3	24	138				
Surr: 2-Fluorobiphenyl	1.61		2.000		80.3	38.6	138				
Surr: Nitrobenzene-d5	1.48		2.000		74.0	31.7	140				
Surr: Phenol-d6	1.42		4.000		35.4	20	116				
Surr: p-Terphenyl	1.90		2.000		95.2	49	156				

**NOTES:**

S - Outlying spike recoveries were observed for 4-Nitrophenol and Benzyl Alcohol. Analytes are in control in the initial calibration verification - ICV (second source).

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1207067-002BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>
Client ID: <b>MOWE-071112</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97639</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	2.00						0	0	50	
2-Chlorophenol	ND	1.00						0	0	50	
1,3-Dichlorobenzene	ND	1.00						0	0	50	
1,4-Dichlorobenzene	ND	1.00						0	0	50	
1,2-Dichlorobenzene	ND	1.00						0	0	50	
Benzyl alcohol	ND	1.00						0	0	50	
Bis(2-chloroethyl) ether	ND	2.00						0	0	50	
2-Methylphenol (o-cresol)	ND	1.00						0	0	50	
Hexachloroethane	ND	1.00						0	0	50	
N-Nitrosodi-n-propylamine	ND	1.00						0	0	50	
Nitrobenzene	ND	2.00						0	0	50	
Isophorone	ND	1.00						0	0	50	
4-Methylphenol (p-cresol)	ND	1.00						0	0	50	
2-Nitrophenol	ND	2.00						0	0	50	
2,4-Dimethylphenol	ND	1.00						0	0	50	
Bis(2-chloroethoxy)methane	ND	1.00						0	0	50	
2,4-Dichlorophenol	ND	2.00						0	0	50	
1,2,4-Trichlorobenzene	ND	1.00						0	0	50	
Naphthalene	ND	0.500						0	0	50	
4-Chloroaniline	ND	5.00						0	0	50	
Hexachlorobutadiene	ND	1.00						0	0	50	
4-Chloro-3-methylphenol	ND	5.00						0	0	50	
2-Methylnaphthalene	ND	0.500						0	0	50	
1-Methylnaphthalene	ND	0.500						0	0	50	
Hexachlorocyclopentadiene	ND	1.00						0	0	50	
2,4,6-Trichlorophenol	ND	2.00						0	0	50	
2,4,5-Trichlorophenol	ND	2.00						0	0	50	
2-Chloronaphthalene	ND	1.00						0	0	50	
2-Nitroaniline	ND	5.00						0	0	50	

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Work Order: 1207067  
 CLIENT: Calibre  
 Project: Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1207067-002BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>MOWE-071112</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97639</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.500						0	0	50	
Dimethylphthalate	ND	1.00						0	0	50	
2,6-Dinitrotoluene	ND	1.00						0	0	50	
Acenaphthylene	ND	0.500						0	0	50	
2,4-Dinitrophenol	ND	2.00						0	0	50	
Dibenzofuran	ND	1.00						0	0	50	
2,4-Dinitrotoluene	ND	1.00						0	0	50	
4-Nitrophenol	ND	5.00						0	0	50	
Fluorene	ND	0.500						0	0	50	
4-Chlorophenyl phenyl ether	ND	1.00						0	0	50	
Diethylphthalate	ND	1.00						0	0	50	
4,6-Dinitro-2-methylphenol	ND	5.00						0	0	50	
4-Bromophenyl phenyl ether	ND	1.00						0	0	50	
Hexachlorobenzene	ND	1.00						0	0	50	
Pentachlorophenol	ND	2.00						0	0	50	
Phenanthrene	ND	0.500						0	0	50	
Anthracene	ND	0.500						0	0	50	
Carbazole	ND	5.00						0	0	50	
Di-n-butyl phthalate	1.11	1.00						0.8412	27.3	50	B
Fluoranthene	ND	0.500						0	0	50	
Pyrene	ND	0.500						0	0	50	
Benzyl Butylphthalate	ND	1.00						0	0	50	R
bis(2-Ethylhexyl)adipate	ND	1.00						0	0	50	
Benz[a]anthracene	ND	0.500						0	0	50	
Chrysene	ND	0.500						0	0	50	
Bis(2-ethylhexyl) phthalate	ND	1.00						0	0	50	
Di-n-octyl phthalate	ND	1.00						0	0	50	
Benzo (b) fluoranthene	ND	0.500						0	0	50	
Benzo (k) fluoranthene	ND	0.500						0	0	50	

**Qualifiers:** B Analyte detected in the associated Method Blank      D Dilution was required      E Value above quantitation range  
 H Holding times for preparation or analysis exceeded      J Analyte detected below quantitation limits      ND Not detected at the Reporting Limit  
 R RPD outside accepted recovery limits      RL Reporting Limit      S Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1207067-002BDUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>MOWE-071112</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97639</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzo[a]pyrene	ND	0.500						0	0	50	
Indeno (1,2,3-cd) pyrene	ND	0.500						0	0	50	
Dibenzo (a,h) anthracene	ND	0.500						0	0	50	
Benzo (g,h,i) perylene	ND	0.500						0	0	50	
Surr: 2,4,6-Tribromophenol	3.03		4.000		75.7	24	138		0		
Surr: 2-Fluorobiphenyl	1.49		2.000		74.4	38.6	138		0		
Surr: Nitrobenzene-d5	1.61		2.000		80.5	31.7	140		0		
Surr: Phenol-d6	1.34		4.000		33.4	15	116		0		
Surr: p-Terphenyl	1.81		2.000		90.4	49	156		0		

**NOTES:**

R - High RPD due to low analyte concentration. In this range, high RPD's may be expected.

Sample ID: <b>1207067-008BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97647</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Phenol	2.63	2.00	8.000	0	32.9	15	112	2.660	1.13	50	
2-Chlorophenol	5.65	1.00	8.000	0	70.6	23.7	136	5.405	4.35	50	
1,3-Dichlorobenzene	5.78	1.00	8.000	0	72.2	50	150	5.363	7.45	50	
1,4-Dichlorobenzene	5.70	1.00	8.000	0	71.2	57.4	140	5.228	8.57	50	
1,2-Dichlorobenzene	6.04	1.00	8.000	0	75.5	50	150	5.401	11.1	50	
Benzyl alcohol	2.97	1.00	8.000	0	37.1	50	150	3.180	6.92	50	S
Bis(2-chloroethyl) ether	6.70	2.00	8.000	0	83.7	50	150	5.569	18.4	50	
2-Methylphenol (o-cresol)	4.97	1.00	8.000	0	62.1	50	150	4.899	1.36	50	
Hexachloroethane	6.09	1.00	8.000	0	76.1	50	150	5.435	11.3	50	
N-Nitrosodi-n-propylamine	5.41	1.00	8.000	0	67.7	46.1	132	6.107	12.0	50	
Nitrobenzene	5.86	2.00	8.000	0	73.3	50	150	5.624	4.12	50	
Isophorone	6.62	1.00	8.000	0	82.7	50	150	6.183	6.82	50	
4-Methylphenol (p-cresol)	4.89	1.00	8.000	0	61.1	50	150	4.628	5.42	50	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1207067-008BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97647</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Nitrophenol	7.00	2.00	8.000	0	87.5	50	150	6.323	10.1	50	
2,4-Dimethylphenol	6.26	1.00	8.000	0	78.2	50	150	5.974	4.61	50	
Bis(2-chloroethoxy)methane	6.50	1.00	8.000	0	81.3	50	150	5.998	8.06	50	
2,4-Dichlorophenol	6.35	2.00	8.000	0	79.4	50	150	6.084	4.35	50	
1,2,4-Trichlorobenzene	6.32	1.00	8.000	0	79.0	42.2	136	5.700	10.3	50	
Naphthalene	5.90	0.500	8.000	0	73.7	50	150	5.869	0.481	50	
4-Chloroaniline	ND	5.00	8.000	0	46.4	50	150	0	0	50	S
Hexachlorobutadiene	5.44	1.00	8.000	0	68.0	50	150	5.471	0.525	50	
4-Chloro-3-methylphenol	6.27	5.00	8.000	0	78.3	34.4	146	6.459	3.03	50	
2-Methylnaphthalene	6.07	0.500	8.000	0	75.9	50	150	6.075	0.0968	50	
1-Methylnaphthalene	6.01	0.500	8.000	0	75.1	50	150	5.972	0.587	50	
Hexachlorocyclopentadiene	3.90	1.00	8.000	0	48.8	50	150	4.160	6.44	50	S
2,4,6-Trichlorophenol	6.39	2.00	8.000	0	79.8	50	150	6.554	2.61	50	
2,4,5-Trichlorophenol	4.63	2.00	8.000	0	57.9	50	150	5.134	10.3	50	
2-Chloronaphthalene	6.16	1.00	8.000	0	77.1	50	150	6.104	0.977	50	
2-Nitroaniline	5.15	5.00	8.000	0	64.3	50	150	5.599	8.41	50	
Acenaphthene	6.26	0.500	8.000	0	78.3	46.9	132	6.242	0.299	50	
Dimethylphthalate	6.90	1.00	8.000	0	86.2	50	150	6.895	0.0360	50	
2,6-Dinitrotoluene	6.22	1.00	8.000	0	77.7	50	150	6.390	2.72	50	
Acenaphthylene	6.36	0.500	8.000	0	79.5	50	150	6.350	0.184	50	
2,4-Dinitrophenol	7.05	2.00	8.000	0	88.1	50	150	7.161	1.54	50	
Dibenzofuran	6.18	1.00	8.000	0	77.3	50	150	6.216	0.537	50	
2,4-Dinitrotoluene	5.53	1.00	8.000	0	69.1	20	123	5.811	5.04	50	
4-Nitrophenol	ND	5.00	8.000	0	14.4	50	150	0	0	50	S
Fluorene	6.40	0.500	8.000	0	80.0	50	150	6.516	1.73	50	
4-Chlorophenyl phenyl ether	6.40	1.00	8.000	0	79.9	50	150	6.442	0.730	50	
Diethylphthalate	7.40	1.00	8.000	0.4510	86.8	50	150	7.555	2.12	50	
4,6-Dinitro-2-methylphenol	ND	5.00	8.000	0	46.2	50	150	0	0	50	S
4-Bromophenyl phenyl ether	6.44	1.00	8.000	0	80.5	50	150	6.653	3.25	50	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1207067  
 CLIENT: Calibre  
 Project: Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1207067-008BMSD</b>	SampType: <b>MSD</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97647</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	6.07	1.00	8.000	0	75.8	50	150	6.147	1.34	50	
Pentachlorophenol	4.75	2.00	8.000	0	59.4	21.6	125	5.164	8.27	50	
Phenanthrene	6.76	0.500	8.000	0.07488	83.6	50	150	6.683	1.17	50	
Anthracene	6.74	0.500	8.000	0	84.3	50	150	6.791	0.679	50	
Carbazole	7.29	5.00	8.000	0	91.1	50	150	7.297	0.155	50	
Di-n-butyl phthalate	8.82	1.00	8.000	1.516	91.3	50	150	8.974	1.72	50	B
Fluoranthene	7.07	0.500	8.000	0	88.4	50	150	7.041	0.452	50	
Pyrene	7.06	0.500	8.000	0	88.3	54.8	143	7.005	0.827	50	
Benzyl Butylphthalate	7.53	1.00	8.000	1.001	81.6	50	150	7.802	3.55	50	
bis(2-Ethylhexyl)adipate	5.09	1.00	8.000	0.1030	62.4	50	150	5.232	2.70	50	
Benz[a]anthracene	6.10	0.500	8.000	0	76.2	50	150	6.258	2.61	50	
Chrysene	6.50	0.500	8.000	0	81.3	50	150	6.099	6.41	50	
Bis(2-ethylhexyl) phthalate	6.45	1.00	8.000	0.7484	71.3	50	150	6.471	0.281	50	
Di-n-octyl phthalate	6.79	1.00	8.000	0	84.9	50	150	6.430	5.51	50	
Benzo (b) fluoranthene	5.62	0.500	8.000	0	70.3	50	150	5.810	3.29	50	
Benzo (k) fluoranthene	5.58	0.500	8.000	0	69.8	50	150	5.467	2.07	50	
Benzo[a]pyrene	3.99	0.500	8.000	0	49.9	50	150	4.036	1.05	50	S
Indeno (1,2,3-cd) pyrene	3.67	0.500	8.000	0	45.9	50	150	3.274	11.4	50	S
Dibenzo (a,h) anthracene	3.81	0.500	8.000	0	47.7	50	150	3.842	0.716	50	S
Benzo (g,h,i) perylene	3.62	0.500	8.000	0	45.2	50	150	3.220	11.6	50	S
Surr: 2,4,6-Tribromophenol	3.23		4.000		80.8	24	138		0	0	
Surr: 2-Fluorobiphenyl	1.64		2.000		81.8	38.6	138		0	0	
Surr: Nitrobenzene-d5	1.57		2.000		78.5	31.7	140		0	0	
Surr: Phenol-d6	1.61		4.000		40.3	20	116		0	0	
Surr: p-Terphenyl	1.87		2.000		93.4	49	156		0	0	

**NOTES:**

S - Outlying spike recoveries observed (possible matrix effect). The LCS was within range.

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1207067  
 CLIENT: Calibre  
 Project: Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1207067-008BMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97652</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	2.66	2.00	8.000	0	33.3	15	112				
2-Chlorophenol	5.41	1.00	8.000	0	67.6	23.7	136				
1,3-Dichlorobenzene	5.36	1.00	8.000	0	67.0	50	150				
1,4-Dichlorobenzene	5.23	1.00	8.000	0	65.4	57.4	140				
1,2-Dichlorobenzene	5.40	1.00	8.000	0	67.5	50	150				
Benzyl alcohol	3.18	1.00	8.000	0	39.8	50	150				S
Bis(2-chloroethyl) ether	5.57	2.00	8.000	0	69.6	50	150				
2-Methylphenol (o-cresol)	4.90	1.00	8.000	0	61.2	50	150				
Hexachloroethane	5.43	1.00	8.000	0	67.9	50	150				
N-Nitrosodi-n-propylamine	6.11	1.00	8.000	0	76.3	46.1	132				
Nitrobenzene	5.62	2.00	8.000	0	70.3	50	150				
Isophorone	6.18	1.00	8.000	0	77.3	50	150				
4-Methylphenol (p-cresol)	4.63	1.00	8.000	0	57.9	50	150				
2-Nitrophenol	6.32	2.00	8.000	0	79.0	50	150				
2,4-Dimethylphenol	5.97	1.00	8.000	0	74.7	50	150				
Bis(2-chloroethoxy)methane	6.00	1.00	8.000	0	75.0	50	150				
2,4-Dichlorophenol	6.08	2.00	8.000	0	76.0	50	150				
1,2,4-Trichlorobenzene	5.70	1.00	8.000	0	71.3	42.2	136				
Naphthalene	5.87	0.500	8.000	0	73.4	50	150				
4-Chloroaniline	ND	5.00	8.000	0	53.7	50	150				
Hexachlorobutadiene	5.47	1.00	8.000	0	68.4	50	150				
4-Chloro-3-methylphenol	6.46	5.00	8.000	0	80.7	34.4	146				
2-Methylnaphthalene	6.08	0.500	8.000	0	75.9	50	150				
1-Methylnaphthalene	5.97	0.500	8.000	0	74.6	50	150				
Hexachlorocyclopentadiene	4.16	1.00	8.000	0	52.0	50	150				
2,4,6-Trichlorophenol	6.55	2.00	8.000	0	81.9	50	150				
2,4,5-Trichlorophenol	5.13	2.00	8.000	0	64.2	50	150				
2-Chloronaphthalene	6.10	1.00	8.000	0	76.3	50	150				
2-Nitroaniline	5.60	5.00	8.000	0	70.0	50	150				

**Qualifiers:**

B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1207067-008BMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97652</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	6.24	0.500	8.000	0	78.0	46.9	132				
Dimethylphthalate	6.89	1.00	8.000	0	86.2	50	150				
2,6-Dinitrotoluene	6.39	1.00	8.000	0	79.9	50	150				
Acenaphthylene	6.35	0.500	8.000	0	79.4	50	150				
2,4-Dinitrophenol	7.16	2.00	8.000	0	89.5	50	150				
Dibenzofuran	6.22	1.00	8.000	0	77.7	50	150				
2,4-Dinitrotoluene	5.81	1.00	8.000	0	72.6	20	123				
4-Nitrophenol	ND	5.00	8.000	0	16.5	50	150				S
Fluorene	6.52	0.500	8.000	0	81.4	50	150				
4-Chlorophenyl phenyl ether	6.44	1.00	8.000	0	80.5	50	150				
Diethylphthalate	7.55	1.00	8.000	0.4510	88.8	50	150				
4,6-Dinitro-2-methylphenol	ND	5.00	8.000	0	48.0	50	150				S
4-Bromophenyl phenyl ether	6.65	1.00	8.000	0	83.2	50	150				
Hexachlorobenzene	6.15	1.00	8.000	0	76.8	50	150				
Pentachlorophenol	5.16	2.00	8.000	0	64.5	21.6	125				
Phenanthrene	6.68	0.500	8.000	0.07488	82.6	50	150				
Anthracene	6.79	0.500	8.000	0	84.9	50	150				
Carbazole	7.30	5.00	8.000	0	91.2	50	150				
Di-n-butyl phthalate	8.97	1.00	8.000	1.516	93.2	50	150				B
Fluoranthene	7.04	0.500	8.000	0	88.0	50	150				
Pyrene	7.01	0.500	8.000	0	87.6	54.8	143				
Benzyl Butylphthalate	7.80	1.00	8.000	1.001	85.0	50	150				
bis(2-Ethylhexyl)adipate	5.23	1.00	8.000	0.1030	64.1	50	150				
Benz[a]anthracene	6.26	0.500	8.000	0	78.2	50	150				
Chrysene	6.10	0.500	8.000	0	76.2	50	150				
Bis(2-ethylhexyl) phthalate	6.47	1.00	8.000	0.7484	71.5	50	150				
Di-n-octyl phthalate	6.43	1.00	8.000	0	80.4	50	150				
Benzo (b) fluoranthene	5.81	0.500	8.000	0	72.6	50	150				
Benzo (k) fluoranthene	5.47	0.500	8.000	0	68.3	50	150				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Semi-Volatile Organic Compounds by EPA Method 8270**

Sample ID: <b>1207067-008BMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97652</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzo[a]pyrene	4.04	0.500	8.000	0	50.5	50	150				
Indeno (1,2,3-cd) pyrene	3.27	0.500	8.000	0	40.9	50	150				S
Dibenzo (a,h) anthracene	3.84	0.500	8.000	0	48.0	50	150				S
Benzo (g,h,i) perylene	3.22	0.500	8.000	0	40.2	50	150				S
Surr: 2,4,6-Tribromophenol	3.57		4.000		89.2	24	138				
Surr: 2-Fluorobiphenyl	1.64		2.000		82.0	38.6	138				
Surr: Nitrobenzene-d5	1.49		2.000		74.5	31.7	140				
Surr: Phenol-d6	1.53		4.000		38.2	20	116				
Surr: p-Terphenyl	1.91		2.000		95.6	49	156				

**NOTES:**

S - Outlying spike recoveries observed (possible matrix effect). The LCS was within range.

Sample ID: <b>ICV-2823</b>	SampType: <b>ICV</b>	Units: <b>µg/L</b>	Prep Date: <b>7/19/2012</b>	RunNo: <b>5031</b>							
Client ID: <b>ICV</b>	Batch ID: <b>2823</b>		Analysis Date: <b>7/19/2012</b>	SeqNo: <b>97688</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Benzyl alcohol	915	1.00	1,000	0	91.5	70	130				
4-Nitrophenol	1,030	5.00	1,000	0	103	70	130				
Surr: 2,4,6-Tribromophenol	981		1,000		98.1	24	138				
Surr: 2-Fluorobiphenyl	502		500.0		100	38.6	138				
Surr: Nitrobenzene-d5	494		500.0		98.7	31.7	140				
Surr: Phenol-d6	994		1,000		99.4	15	116				
Surr: p-Terphenyl	498		500.0		99.5	49	156				

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 7/23/2012

Work Order: 1207067  
 CLIENT: Calibre  
 Project: Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1207067-008ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96369</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	1.00						0	0	30	
Chloromethane	ND	1.00						0	0	30	
Vinyl chloride	ND	0.200						0	0	30	
Bromomethane	ND	1.00						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0	0	30	
Chloroethane	ND	1.00						0	0	30	
1,1-Dichloroethene	ND	1.00						0	0	30	
Methylene chloride	ND	1.00						0	0	30	
trans-1,2-Dichloroethene	ND	1.00						0	0	30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0	0	30	
1,1-Dichloroethane	ND	1.00						0	0	30	
2,2-Dichloropropane	ND	2.00						0	0	30	
cis-1,2-Dichloroethene	ND	1.00						0	0	30	
Chloroform	ND	1.00						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0	0	30	
1,1-Dichloropropene	ND	1.00						0	0	30	
Carbon tetrachloride	ND	1.00						0	0	30	
1,2-Dichloroethane (EDC)	ND	1.00						0	0	30	
Benzene	ND	1.00						0	0	30	
Trichloroethene (TCE)	ND	1.00						0	0	30	
1,2-Dichloropropane	ND	1.00						0	0	30	
Bromodichloromethane	ND	1.00						0	0	30	
Dibromomethane	ND	1.00						0	0	30	
cis-1,3-Dichloropropene	ND	1.00						0	0	30	
Toluene	ND	1.00						0	0	30	
trans-1,3-Dichloropropene	ND	1.00						0	0	30	
1,1,2-Trichloroethane	ND	1.00						0	0	30	
1,3-Dichloropropane	ND	1.00						0	0	30	
Tetrachloroethene (PCE)	ND	1.00						0	0	30	

**Qualifiers:** B Analyte detected in the associated Method Blank D Dilution was required E Value above quantitation range  
 H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not detected at the Reporting Limit  
 R RPD outside accepted recovery limits RL Reporting Limit S Spike recovery outside accepted recovery limits





Date: 7/23/2012

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1207067-008ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96369</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1.00						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.0100						0	0	30	
Chlorobenzene	ND	1.00						0	0	30	
1,1,1,2-Tetrachloroethane	ND	1.00						0	0	30	
Ethylbenzene	ND	1.00						0	0	30	
m,p-Xylene	ND	1.00						0	0	30	
o-Xylene	ND	1.00						0	0	30	
Styrene	ND	1.00						0	0	30	
Isopropylbenzene	ND	1.00						0	0	30	
Bromoform	ND	1.00						0	0	30	
1,1,2,2-Tetrachloroethane	ND	1.00						0	0	30	
n-Propylbenzene	ND	1.00						0	0	30	
Bromobenzene	ND	1.00						0	0	30	
1,3,5-Trimethylbenzene	ND	1.00						0	0	30	
2-Chlorotoluene	ND	1.00						0	0	30	
4-Chlorotoluene	ND	1.00						0	0	30	
tert-Butylbenzene	ND	1.00						0	0	30	
1,2,3-Trichloropropane	ND	1.00						0	0	30	
1,2,4-Trichlorobenzene	ND	2.00						0	0	30	
sec-Butylbenzene	ND	1.00						0	0	30	
4-Isopropyltoluene	ND	1.00						0	0	30	
1,3-Dichlorobenzene	ND	1.00						0	0	30	
1,4-Dichlorobenzene	ND	1.00						0	0	30	
n-Butylbenzene	ND	1.00						0	0	30	
1,2-Dichlorobenzene	ND	1.00						0	0	30	
1,2-Dibromo-3-chloropropane	ND	1.00						0	0	30	
1,2,4-Trimethylbenzene	ND	1.00						0	0	30	
Hexachlorobutadiene	ND	4.00						0	0	30	
Naphthalene	ND	1.00						0	0	30	

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1207067-008ADUP</b>	SampType: <b>DUP</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>							
Client ID: <b>HLMW-07A</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96369</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,3-Trichlorobenzene	ND	4.00						0	0	30	
Surr: 1-Bromo-4-fluorobenzene	10.2		10.00		102	79.2	120		0		
Surr: Dibromofluoromethane	9.78		10.00		97.8	76	114		0		
Surr: Toluene-d8	9.93		10.00		99.3	86.8	119		0		

Sample ID: <b>1207067-009AMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>							
Client ID: <b>HLMW-03A</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96371</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	18.9	1.00	20.00	0	94.6	70	130				
Chloromethane	20.5	1.00	20.00	0	103	70	130				
Vinyl chloride	20.2	0.200	20.00	0	101	70	130				
Bromomethane	19.4	1.00	20.00	0	96.8	70	130				
Trichlorofluoromethane (CFC-11)	22.0	1.00	20.00	1.920	100	70	130				
Chloroethane	18.5	1.00	20.00	0	92.4	70	130				
1,1-Dichloroethene	21.2	1.00	20.00	0	106	71.4	135				
Methylene chloride	21.9	1.00	20.00	0	110	70	130				
trans-1,2-Dichloroethene	19.7	1.00	20.00	0	98.6	70	130				
Methyl tert-butyl ether (MTBE)	19.7	1.00	20.00	0	98.7	70	130				
1,1-Dichloroethane	21.0	1.00	20.00	0	105	70	130				
2,2-Dichloropropane	10.0	2.00	20.00	0	50.0	70	130				S
cis-1,2-Dichloroethene	19.7	1.00	20.00	0	98.5	70	130				
Chloroform	18.0	1.00	20.00	0	90.0	70	130				
1,1,1-Trichloroethane (TCA)	20.5	1.00	20.00	0	103	70	130				
1,1-Dichloropropene	20.8	1.00	20.00	0	104	70	130				
Carbon tetrachloride	20.3	1.00	20.00	0	102	70	130				
1,2-Dichloroethane (EDC)	20.6	1.00	20.00	0	103	70	130				
Benzene	20.2	1.00	20.00	0	101	75.7	125				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1207067-009AMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>
Client ID: <b>HLMW-03A</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96371</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	20.0	1.00	20.00	0	99.8	80.7	122				
1,2-Dichloropropane	20.5	1.00	20.00	0	102	70	130				
Bromodichloromethane	20.6	1.00	20.00	0	103	70	130				
Dibromomethane	20.6	1.00	20.00	0	103	70	130				
cis-1,3-Dichloropropene	17.7	1.00	20.00	0	88.5	70	130				
Toluene	19.8	1.00	20.00	0	99.0	75.3	125				
trans-1,3-Dichloropropene	17.7	1.00	20.00	0	88.5	70	130				
1,1,2-Trichloroethane	20.2	1.00	20.00	0	101	70	130				
1,3-Dichloropropane	20.6	1.00	20.00	0	103	70	130				
Tetrachloroethene (PCE)	18.2	1.00	20.00	0	91.2	50.9	104				
Dibromochloromethane	19.8	1.00	20.00	0	99.0	70	130				
1,2-Dibromoethane (EDB)	20.1	0.0100	20.00	0	100	70	130				
Chlorobenzene	20.1	1.00	20.00	0	100	75.3	125				
1,1,1,2-Tetrachloroethane	19.9	1.00	20.00	0	99.3	70	130				
Ethylbenzene	20.4	1.00	20.00	0	102	70	130				
m,p-Xylene	41.0	1.00	40.00	0	103	70	130				
o-Xylene	20.4	1.00	20.00	0	102	70	130				
Styrene	19.3	1.00	20.00	0	96.7	70	130				
Isopropylbenzene	20.2	1.00	20.00	0	101	70	130				
Bromoform	19.2	1.00	20.00	0	96.1	70	130				
1,1,1,2-Tetrachloroethane	20.4	1.00	20.00	0	102	70	130				
n-Propylbenzene	19.8	1.00	20.00	0	99.0	70	130				
Bromobenzene	19.4	1.00	20.00	0	97.2	70	130				
1,3,5-Trimethylbenzene	19.5	1.00	20.00	0	97.5	70	130				
2-Chlorotoluene	20.3	1.00	20.00	0	101	70	130				
4-Chlorotoluene	19.7	1.00	20.00	0	98.7	70	130				
tert-Butylbenzene	20.2	1.00	20.00	0	101	70	130				
1,2,3-Trichloropropane	19.2	1.00	20.00	0	95.9	70	130				
1,2,4-Trichlorobenzene	19.5	2.00	20.00	0	97.4	70	130				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>1207067-009AMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>
Client ID: <b>HLMW-03A</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96371</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
sec-Butylbenzene	20.2	1.00	20.00	0	101	70	130				
4-Isopropyltoluene	19.7	1.00	20.00	0	98.4	70	130				
1,3-Dichlorobenzene	19.2	1.00	20.00	0	96.0	70	130				
1,4-Dichlorobenzene	19.2	1.00	20.00	0	96.0	70	130				
n-Butylbenzene	20.0	1.00	20.00	0	100	70	130				
1,2-Dichlorobenzene	19.7	1.00	20.00	0	98.6	70	130				
1,2-Dibromo-3-chloropropane	20.1	1.00	20.00	0	101	70	130				
1,2,4-Trimethylbenzene	19.1	1.00	20.00	0	95.6	70	130				
Hexachlorobutadiene	19.6	4.00	20.00	0	98.0	70	130				
Naphthalene	19.4	1.00	20.00	0	97.2	70	130				
1,2,3-Trichlorobenzene	19.6	4.00	20.00	0	98.0	70	130				
Surr: 1-Bromo-4-fluorobenzene	10.1		10.00		101	79.2	120				
Surr: Dibromofluoromethane	9.80		10.00		98.0	76	114				
Surr: Toluene-d8	9.92		10.00		99.2	86.8	119				

**NOTES:**

S - Outlying spike recovery observed for 2,2-Dichloropropane.

Sample ID: <b>LCS-R4997</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96382</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	21.3	1.00	20.00	0	107	70	130				
Chloromethane	21.7	1.00	20.00	0	109	70	130				
Vinyl chloride	21.4	0.200	20.00	0	107	70	130				
Bromomethane	22.6	1.00	20.00	0	113	70	130				
Trichlorofluoromethane (CFC-11)	20.1	1.00	20.00	0	101	70	130				
Chloroethane	21.2	1.00	20.00	0	106	70	130				
1,1-Dichloroethene	21.8	1.00	20.00	0	109	72.2	137				
Methylene chloride	23.3	1.00	20.00	0	117	70	130				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits



**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R4997</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96382</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	20.8	1.00	20.00	0	104	70	130				
Methyl tert-butyl ether (MTBE)	21.5	1.00	20.00	0	108	70	130				
1,1-Dichloroethane	21.4	1.00	20.00	0	107	70	130				
2,2-Dichloropropane	11.5	2.00	20.00	0	57.5	70	130				S
cis-1,2-Dichloroethene	21.0	1.00	20.00	0	105	70	130				
Chloroform	19.0	1.00	20.00	0	95.1	70	130				
1,1,1-Trichloroethane (TCA)	21.5	1.00	20.00	0	108	70	130				
1,1-Dichloropropene	21.8	1.00	20.00	0	109	70	130				
Carbon tetrachloride	21.1	1.00	20.00	0	106	70	130				
1,2-Dichloroethane (EDC)	22.0	1.00	20.00	0	110	64.6	112				
Benzene	21.2	1.00	20.00	0	106	76.2	121				
Trichloroethene (TCE)	21.8	1.00	20.00	0	109	76.8	122				
1,2-Dichloropropane	22.1	1.00	20.00	0	110	70	130				
Bromodichloromethane	21.7	1.00	20.00	0	109	70	130				
Dibromomethane	22.2	1.00	20.00	0	111	70	130				
cis-1,3-Dichloropropene	17.4	1.00	20.00	0	87.2	70	130				
Toluene	20.9	1.00	20.00	0	104	78.1	124				
trans-1,3-Dichloropropene	17.4	1.00	20.00	0	87.2	70	130				
1,1,2-Trichloroethane	21.4	1.00	20.00	0	107	70	130				
1,3-Dichloropropane	22.1	1.00	20.00	0	110	70	130				
Tetrachloroethene (PCE)	30.3	1.00	20.00	0	151	50.1	124				S
Dibromochloromethane	22.0	1.00	20.00	0	110	70	130				
1,2-Dibromoethane (EDB)	22.0	0.0100	20.00	0	110	70	130				
Chlorobenzene	21.3	1.00	20.00	0	106	79.1	119				
1,1,1,2-Tetrachloroethane	21.1	1.00	20.00	0	105	70	130				
Ethylbenzene	21.4	1.00	20.00	0	107	70	130				
m,p-Xylene	43.5	1.00	40.00	0	109	70	130				
o-Xylene	21.4	1.00	20.00	0	107	70	130				
Styrene	21.8	1.00	20.00	0	109	70	130				

<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	D Dilution was required	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
	R RPD outside accepted recovery limits	RL Reporting Limit	S Spike recovery outside accepted recovery limits

Work Order: 1207067  
 CLIENT: Calibre  
 Project: Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>LCS-R4997</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>
Client ID: <b>LCSW</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96382</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	21.4	1.00	20.00	0	107	70	130				
Bromoform	21.9	1.00	20.00	0	109	70	130				
1,1,2,2-Tetrachloroethane	20.4	1.00	20.00	0	102	70	130				
n-Propylbenzene	21.5	1.00	20.00	0	108	70	130				
Bromobenzene	21.5	1.00	20.00	0	108	70	130				
1,3,5-Trimethylbenzene	21.5	1.00	20.00	0	108	70	130				
2-Chlorotoluene	21.7	1.00	20.00	0	108	70	130				
4-Chlorotoluene	21.4	1.00	20.00	0	107	70	130				
tert-Butylbenzene	17.2	1.00	20.00	0	85.8	70	130				
1,2,3-Trichloropropane	21.2	1.00	20.00	0	106	70	130				
1,2,4-Trichlorobenzene	21.4	2.00	20.00	0	107	70	130				
sec-Butylbenzene	21.4	1.00	20.00	0	107	70	130				
4-Isopropyltoluene	20.8	1.00	20.00	0	104	70	130				
1,3-Dichlorobenzene	20.3	1.00	20.00	0	102	70	130				
1,4-Dichlorobenzene	20.3	1.00	20.00	0	102	70	130				
n-Butylbenzene	21.0	1.00	20.00	0	105	70	130				
1,2-Dichlorobenzene	20.4	1.00	20.00	0	102	70	130				
1,2-Dibromo-3-chloropropane	20.9	1.00	20.00	0	104	70	130				
1,2,4-Trimethylbenzene	21.0	1.00	20.00	0	105	70	130				
Hexachlorobutadiene	20.6	4.00	20.00	0	103	70	130				
Naphthalene	20.7	1.00	20.00	0	103	70	130				
1,2,3-Trichlorobenzene	20.9	4.00	20.00	0	104	70	130				
Surr: 1-Bromo-4-fluorobenzene	10.0		10.00		100	79.2	120				
Surr: Dibromofluoromethane	9.84		10.00		98.4	76	114				
Surr: Toluene-d8	9.91		10.00		99.1	86.8	119				

**NOTES:**

S - Outlying spike recovery(ies) observed for 2,2-Dichloropropane & Tetrachloroethene. The Initial Calibration Verification (ICV) - 2nd source was included and was within range.

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>ICV-R4997</b>	SampType: <b>ICV</b>	Units: <b>µg/L</b>	Prep Date: <b>7/16/2012</b>	RunNo: <b>4997</b>							
Client ID: <b>ICV</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/16/2012</b>	SeqNo: <b>96385</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	16.4	2.00	20.00	0	81.8	70	130				
Tetrachloroethene (PCE)	17.6	1.00	20.00	0	88.1	70	130				
Surr: 1-Bromo-4-fluorobenzene	10.1		10.00		101	79.2	120				
Surr: Dibromofluoromethane	9.76		10.00		97.6	76	114				
Surr: Toluene-d8	9.88		10.00		98.8	86.8	119				

Sample ID: <b>MB-R4997</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96387</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									
Chloromethane	ND	1.00									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	1.00									

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R4997</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>							
Client ID: <b>MBLKW</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96387</b>							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	1.00									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.0100									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	1.00									
1,1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



**Work Order:** 1207067  
**CLIENT:** Calibre  
**Project:** Hytec-Luftkin

**QC SUMMARY REPORT**  
**Volatile Organic Compounds by EPA Method 8260**

Sample ID: <b>MB-R4997</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>	Prep Date: <b>7/17/2012</b>	RunNo: <b>4997</b>
Client ID: <b>MBLKW</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/17/2012</b>	SeqNo: <b>96387</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	4.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									
Surr: 1-Bromo-4-fluorobenzene	10.0		10.00		100	79.2	120				
Surr: Dibromofluoromethane	9.81		10.00		98.1	76	114				
Surr: Toluene-d8	9.91		10.00		99.1	86.8	119				

Sample ID: <b>CCV-R4997</b>	SampType: <b>CCV</b>	Units: <b>µg/L</b>	Prep Date: <b>7/18/2012</b>	RunNo: <b>4997</b>
Client ID: <b>CCV</b>	Batch ID: <b>R4997</b>		Analysis Date: <b>7/18/2012</b>	SeqNo: <b>97220</b>

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane (CFC-11)	23.0	1.00	20.00	0	115	80	120				
Surr: 1-Bromo-4-fluorobenzene	8.82		10.00		88.2	79.2	120				
Surr: Dibromofluoromethane	10.3		10.00		103	76	114				
Surr: Toluene-d8	10.3		10.00		103	86.8	119				

**Qualifiers:**

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Client Name: **CLBRE**

 Work Order Number: **1207067**

 Logged by: **Troy Zehr**

 Date Received: **7/13/2012 1:02:00 PM**
**Chain of Custody**

1. Were custodial seals present? Yes  No  Not Required
2. Is Chain of Custody complete? Yes  No  Not Present
3. How was the sample delivered? Client

**Log In**

4. Coolers are present? Yes  No  NA
5. Was an attempt made to cool the samples? Yes  No  NA
6. Were all coolers received at a temperature of >0° C to 10.0°C Yes  No  NA
7. Sample(s) in proper container(s)? Yes  No
8. Sufficient sample volume for indicated test(s)? Yes  No
9. Are samples properly preserved? Yes  No
10. Was preservative added to bottles? Yes  No  NA
11. Is there headspace present in VOA vials? Yes  No  NA
12. Did all sample containers arrive in good condition?(unbroken) Yes  No
13. Does paperwork match bottle labels? Yes  No
14. Are matrices correctly identified on Chain of Custody? Yes  No
15. Is it clear what analyses were requested? Yes  No
16. Were all holding times able to be met? Yes  No

**Special Handling (if applicable)**

17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks/Discrepancies

**Item Information**

Item #	Temp °C	Condition
Cooler 1	1.2	Good
Cooler 2	1.6	Good

# Chain of Custody Record



1311 N. 35th Street  
Seattle, WA 98103  
Tel: 206-352-3790  
Fax: 206-352-7178

Laboratory Project No (internal): 1207067  
Page: 1 of: 2

Client: Calibre Systems Project Name: Hytex-Lufkin  
Address: 64290 Airway Rd Location: Littlerock, WA  
City, State, Zip: Joseph, OR 97846 Tel: 541 432-0305 Collected by: Jeff Dawson - Chris Gallagher  
Reports To (PM): Jeff Dawson Fax: 541 432-0305 Email: jeff.dawson@calibresys.com Project No: K0308000

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Comments/Depth
1 Trip Blank 7112	11/5/12	0700	H <sub>2</sub> O	2
2 MOWE-07112	"	0807	"	3
3 HLMW-4B	"	0720	"	3
4 SPWE-07112	"	0940	"	3
5 HLMW-04A	"	1040	"	3
6 HLMW-01A	"	1131	"	3
7 PAWE-07112	"	1256	"	3
8 HLMW-07A	"	1331	"	9
9 HLMW-03A	"	1445	"	3
10 HLMW-02A	"	1540	"	3

\*Metals Analysis (Circle): MTC-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al B Ba Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Se Sr Ti U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (a fee may be assessed if samples are retained after 31 days)

Relinquished Date/Time: 11/3/12 1:02pm Received Date/Time: 11/3/12 13:02  
 X Chris Gallagher x Jeff Dawson  
 Retained Date/Time: \_\_\_\_\_ Received Date/Time: \_\_\_\_\_  
 X \_\_\_\_\_ x \_\_\_\_\_

Special Remarks: Metals not filtered, filtered or preserved. Need to be split, filtered, & preserved for dissolved. Hold dissolved metals until totals have been reviewed.

# Chain of Custody Record



1311 N. 35th Street  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

Client: **Calibre Systems**  
Address: **64290 Airway Rd.**

City, State, Zip: **Joseph, OR 97181** Tel: **541 432-0305**

Reports To (PM): **Jeff Dawson** Email: **jeff.dawson@calibre.org** Project No: **K0308000**

Laboratory Project No (Internal): \_\_\_\_\_  
Page: **2** of: **2**

Date: **12 Jul 12**

Project Name: **Hytex - Luftkin**  
Location: **Littlerock, WA**  
Collected by: **Jeff Dawson - Chris Galliger**

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)	Sample	Comments/Depth
1. HLMW-05B	12 Jul 11	1530	H <sub>2</sub> O	3	
2. HLMW-06B	13 Jul 12	0940	H <sub>2</sub> O	3	
3					
4					
5					
6					
7					
8					
9					
10					

\*Metals Analysis (Circle): MTCA-5 Nitrate Nitrite RCRA-8 Priority Pollutants TAL Individual: Ag Al B Ba Cd Co Cu Fe Hg K Mg Mn Mo Na Pb Se Sr Ti Th U V Zn

\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal:  Return to Client  Disposal by Lab (A fee may be assessed if samples are retained for 30 days.)

Relinquished: **Jeff Dawson** Date/Time: **7/13/12 13:02**  
Received: **Amy Gehl** Date/Time: **7/13/12 13:02**

Special Remarks: Metals not field filtered or preserved. Need to be split, filtered, and preserved for dissolved metals. Hold dissolved metals until totals have been received.

TAT -> Next Day 2 Day 3 Day STD

## McKeon, Tom

---

**From:** Michael C. Ridgeway <mridgeway@fremontanalytical.com>  
**Sent:** Monday, October 29, 2012 5:45 PM  
**To:** Neste, Justin  
**Cc:** McKeon, Tom  
**Subject:** RE: Bis(2-chloroethy)ether  
**Attachments:** Hytec Lab Packages for Justin Neste Updated\_10.29.12.xlsx

Justin:

Attached is the updated spreadsheet.

Thank you,

**MR**

Mike Ridgeway  
-----

**Fremont Analytical, Inc.**  
1311 N. 35th Street  
Seattle, WA 98103

Tel: 206.352.3790  
Fax: 206.352.7178  
[mridgeway@fremontanalytical.com](mailto:mridgeway@fremontanalytical.com)

CONFIDENTIALITY NOTICE: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

---

**From:** Neste, Justin [<mailto:Justin.Neste@calibresys.com>]  
**Sent:** Monday, October 29, 2012 11:21 AM  
**To:** Michael C. Ridgeway  
**Cc:** McKeon, Tom  
**Subject:** RE: Bis(2-chloroethy)ether

Hi Mike,

Can you make the two changes below in the attached spreadsheet (the one you provided) and email back to Tom and I? We need it to come from you/your lab so we can include it in our report.

Also, for lab package 1108082, the sample id's HM-01-081811 and HM-02-081811 are supposed to be HS-01-081811 and HS-02-081811. I've attached the original lab package with the COC.

Thanks,  
Justin

Justin Neste  
Scientist  
CALIBRE  
Cell: 360.981.5606  
[www.calibresys.com](http://www.calibresys.com)

---

**From:** Michael C. Ridgeway [<mailto:mridgeway@fremontanalytical.com>]  
**Sent:** Wednesday, October 17, 2012 10:57 AM  
**To:** McKeon, Tom; Neste, Justin  
**Subject:** Bis(2-chloroethy)ether

Hello:

Getting back to you on the two water samples that we needed to verify detections (below the PQL) for Bis(2-chloroethy)ether. The two samples are as follows:

HLMW-02A-032212  
HLMW-4A-032212

Neither sample has a detection of Bis (2-chloroethy)ether. Both are ND.

Thank you!

Mike Ridgeway

-----  
**Fremont Analytical, Inc.**  
1311 N. 35th Street  
Seattle, WA 98103

Tel: 206.352.3790  
Fax: 206.352.7178  
[mridgeway@fremontanalytical.com](mailto:mridgeway@fremontanalytical.com)

CONFIDENTIALITY NOTICE: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

Work Order	Client ID	MDL ug/Kg	PQL ug/Kg	Detection ug/Kg	Analyte
1108010-001	HE-01-080211	5.48	205	< 205	Bis(2-chloroethyl) ether
1108010-001	HE-01-080211	3.22	102	< 102	Pentachlorophenol
1108010-002	HE-02-080211	5.28	197	< 197	Bis(2-chloroethyl) ether
1108010-002	HE-02-080211	3.1	98.7	< 98.7	Pentachlorophenol
1108010-003	HE-03-080211	5.4	202	< 202	Bis(2-chloroethyl) ether
1108010-003	HE-03-080211	3.17	101	< 101	Pentachlorophenol
1108010-004	HE-04-080211	5.73	214	< 214	Bis(2-chloroethyl) ether
1108010-004	HE-04-080211	3.36	107	< 107	Pentachlorophenol
1108010-005	HE-05-080211	5.65	211	< 211	Bis(2-chloroethyl) ether
1108010-005	HE-05-080211	3.32	106	< 106	Pentachlorophenol
1108010-006	HE-06-080211	5.47	205	< 205	Bis(2-chloroethyl) ether
1108010-006	HE-06-080211	3.21	102	< 102	Pentachlorophenol
1108010-007	HE-07-080211	5.99	224	< 224	Bis(2-chloroethyl) ether
1108010-007	HE-07-080211	3.51	112	< 112	Pentachlorophenol
1108010-008	HE-08-080211	5.68	212	< 212	Bis(2-chloroethyl) ether
1108010-008	HE-08-080211	3.34	106	< 106	Pentachlorophenol
1108010-009	DUP 1	5.48	205	<205	Bis(2-chloroethyl) ether
1108010-009	DUP 1	3.21	102	< 102	Pentachlorophenol
1108068-001	HM-01-081511	30.5	207	< 207	Bis(2-chloroethyl) ether
1108068-001	HM-01-081511	58.5	103	< 103	Pentachlorophenol
1108068-002	HM-02-081511	31.4	213	< 213	Bis(2-chloroethyl) ether
1108068-002	HM-02-081511	60.1	106	< 106	Pentachlorophenol
1108068-003	HM-03-081511	31.3	212	< 212	Bis(2-chloroethyl) ether
1108068-003	HM-03-081511	60.6	106	< 106	Pentachlorophenol
1108068-004	HM-04-081511	31.6	214	< 214	Bis(2-chloroethyl) ether
1108068-004	HM-04-081511	60.5	107	< 107	Pentachlorophenol
1108082-001	HM-05-081811	30.7	208	< 208	Bis(2-chloroethyl) ether
1108082-001	HM-05-081811	58.8	104	< 104	Pentachlorophenol
1108082-002	HM-06-081811	30	204	< 204	Bis(2-chloroethyl) ether
1108082-002	HM-06-081811	57.5	102	< 102	Pentachlorophenol
1108082-003	HM-07-081811	31.4	213	< 213	Bis(2-chloroethyl) ether
1108082-003	HM-07-081811	60.2	107	< 107	Pentachlorophenol
1108082-004	DUP3	32	217	< 217	Bis(2-chloroethyl) ether
1108082-004	DUP3	61.3	108	< 108	Pentachlorophenol
1108082-005	HM-08-081811	31.2	212	< 212	Bis(2-chloroethyl) ether
1108082-005	HM-08-081811	59.8	106	< 106	Pentachlorophenol
1108082-006	HM-09-081811	30.7	208	< 208	Bis(2-chloroethyl) ether
1108082-006	HM-09-081811	58.8	104	< 104	Pentachlorophenol
1108082-007	HM-10-081811	31.3	212	< 212	Bis(2-chloroethyl) ether
1108082-007	HM-10-081811	60	106	< 106	Pentachlorophenol
1108082-008	HS-01-081811	29.4	200	< 200	Bis(2-chloroethyl) ether
1108082-008	HS-01-081811	56.4	99.9	< 99.9	Pentachlorophenol
1108082-009	HS-02-081811	29.9	203	< 203	Bis(2-chloroethyl) ether
1108082-009	HS-02-081811	57.4	102	< 102	Pentachlorophenol
1108142-001	HM-11-082611	30	203	< 203	Bis(2-chloroethyl) ether

1108142-001	HM-11-082611	57.4	102	< 102	Pentachlorophenol
1108142-002	HM-12-082611	29.5	200	< 200	Bis(2-chloroethyl) ether
1108142-002	HM-12-082611	56.4	99.9	< 99.9	Pentachlorophenol
1108142-003	HM-13-082611	30.1	204	< 204	Bis(2-chloroethyl) ether
1108142-003	HM-13-082611	57.6	102	< 102	Pentachlorophenol
1108142-004	HM-14-082611	29	197	< 197	Bis(2-chloroethyl) ether
1108142-004	HM-14-082611	55.5	98.3	< 98.3	Pentachlorophenol
1108142-005	HM-15-082611	33.1	225	< 225	Bis(2-chloroethyl) ether
1108142-005	HM-15-082611	63.5	112	< 112	Pentachlorophenol
1109007-001	HS-03-090111	29.7	201	< 201	Bis(2-chloroethyl) ether
1109007-001	HS-03-090111	56.8	101	< 101	Pentachlorophenol
1109007-002	HS-04-090111	30	204	< 204	Bis(2-chloroethyl) ether
1109007-002	HS-04-090111	57.5	102	< 102	Pentachlorophenol
1109007-003	HS-05-090111	29.4	199	< 199	Bis(2-chloroethyl) ether
1109007-003	HS-05-090111	56.3	99.6	< 99.6	Pentachlorophenol
1109007-004	HS-06-090111	29.7	202	< 202	Bis(2-chloroethyl) ether
1109007-004	HS-06-090111	57	101	< 101	Pentachlorophenol
1109007-005	HS-07-090111	29.2	198	< 198	Bis(2-chloroethyl) ether
1109007-005	HS-07-090111	55.9	98.9	< 98.9	Pentachlorophenol
1109007-006	HS-08-090111	32.2	218	< 218	Bis(2-chloroethyl) ether
1109007-006	HS-08-090111	61.7	109	< 109	Pentachlorophenol
1109046-001	HS-16-09.10.11	29.8	202	< 202	Bis(2-chloroethyl) ether
1109046-001	HS-16-09.10.11	57.1	101	< 101	Pentachlorophenol
1109046-002	HS-17-09.10.11	30	204	< 204	Bis(2-chloroethyl) ether
1109046-002	HS-17-09.10.11	57.5	102	< 102	Pentachlorophenol
1109046-003	HS-18-09.10.11	28.7	195	< 195	Bis(2-chloroethyl) ether
1109046-003	HS-18-09.10.11	55	97.3	< 97.3	Pentachlorophenol
1109046-004	HS-19-09.10.11	29.4	200	< 200	Bis(2-chloroethyl) ether
1109046-004	HS-19-09.10.11	56.4	99.9	< 99.9	Pentachlorophenol
1109046-005	HS-20-09.10.11	29.3	199	< 199	Bis(2-chloroethyl) ether
1109046-005	HS-20-09.10.11	56.1	99.3	< 99.3	Pentachlorophenol
1109046-006	HS-21-09.10.11	29.5	200	< 200	Bis(2-chloroethyl) ether
1109046-006	HS-21-09.10.11	56.6	100	< 100	Pentachlorophenol
1109061-001	HS-22-09.14.11	38.5	261	< 261	Bis(2-chloroethyl) ether
1109061-001	HS-22-09.14.11	73.7	131	< 131	Pentachlorophenol
1109061-002	HS-23-09.14.11	29.3	199	< 199	Bis(2-chloroethyl) ether
1109061-002	HS-23-09.14.11	56.1	99.3	< 99.3	Pentachlorophenol
1109061-003	HS-24-09.14.11	29.8	202	< 202	Bis(2-chloroethyl) ether
1109061-003	HS-24-09.14.11	57.1	101	< 101	Pentachlorophenol



Work Order	Client ID	MDL ug/L	PQL ug/L	Detection ug/L	Analyte
1203151-001	HLMW-07A-032212	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1203151-001	HLMW-07A-032212	0.03	2	< 2.00	Pentachlorophenol
1203151-002	HLMW-06B-032212	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1203151-002	HLMW-06B-032212	0.03	2	< 2.00	Pentachlorophenol
1203151-003	HLMW-03A-032212	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1203151-003	HLMW-03A-032212	0.03	2	< 2.00	Pentachlorophenol
1203151-004	HLMW-05B-032212	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1203151-004	HLMW-05B-032212	0.03	2	< 2.00	Pentachlorophenol
1203151-005	HLMW-02A-032212	0.03	2	<2.00	Bis(2-chloroethyl) ether
1203151-005	HLMW-02A-032212	0.03	2	< 2.00	Pentachlorophenol
1203151-006	HLMW-01A-032212	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1203151-006	HLMW-01A-032212	0.03	2	< 2.00	Pentachlorophenol
1203151-007	HLMW-04A-032212	0.03	2	<2.00	Bis(2-chloroethyl) ether
1203151-007	HLMW-04A-032212	0.03	2	< 2.00	Pentachlorophenol
1203151-008	MOWE-032212	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1203151-008	MOWE-032212	0.03	2	< 2.00	Pentachlorophenol
1207067-002	MOWE-071112	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-002	MOWE-071112	0.03	2	< 2.00	Pentachlorophenol
1207067-003	HLMW-4B	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-003	HLMW-4B	0.03	2	< 2.00	Pentachlorophenol
1207067-004	SPWE-071112	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-004	SPWE-071112	0.03	2	< 2.00	Pentachlorophenol
1207067-005	HLMW-04A	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-005	HLMW-04A	0.03	2	< 2.00	Pentachlorophenol
1207067-006	HLMW-01A	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-006	HLMW-01A	0.03	2	< 2.00	Pentachlorophenol
1207067-007	PAWE-071112	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-007	PAWE-071112	0.03	2	< 2.00	Pentachlorophenol
1207067-008	HLMW-07A	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-008	HLMW-07A	0.03	2	< 2.00	Pentachlorophenol
1207067-009	HLMW-03A	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-009	HLMW-03A	0.03	2	< 2.00	Pentachlorophenol
1207067-010	HLMW-02A	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-010	HLMW-02A	0.03	2	< 2.00	Pentachlorophenol
1207067-011	HLMW-05B	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-011	HLMW-05B	0.03	2	< 2.00	Pentachlorophenol
1207067-012	HLMW-06B	0.03	2	< 2.00	Bis(2-chloroethyl) ether
1207067-012	HLMW-06B	0.03	2	< 2.00	Pentachlorophenol

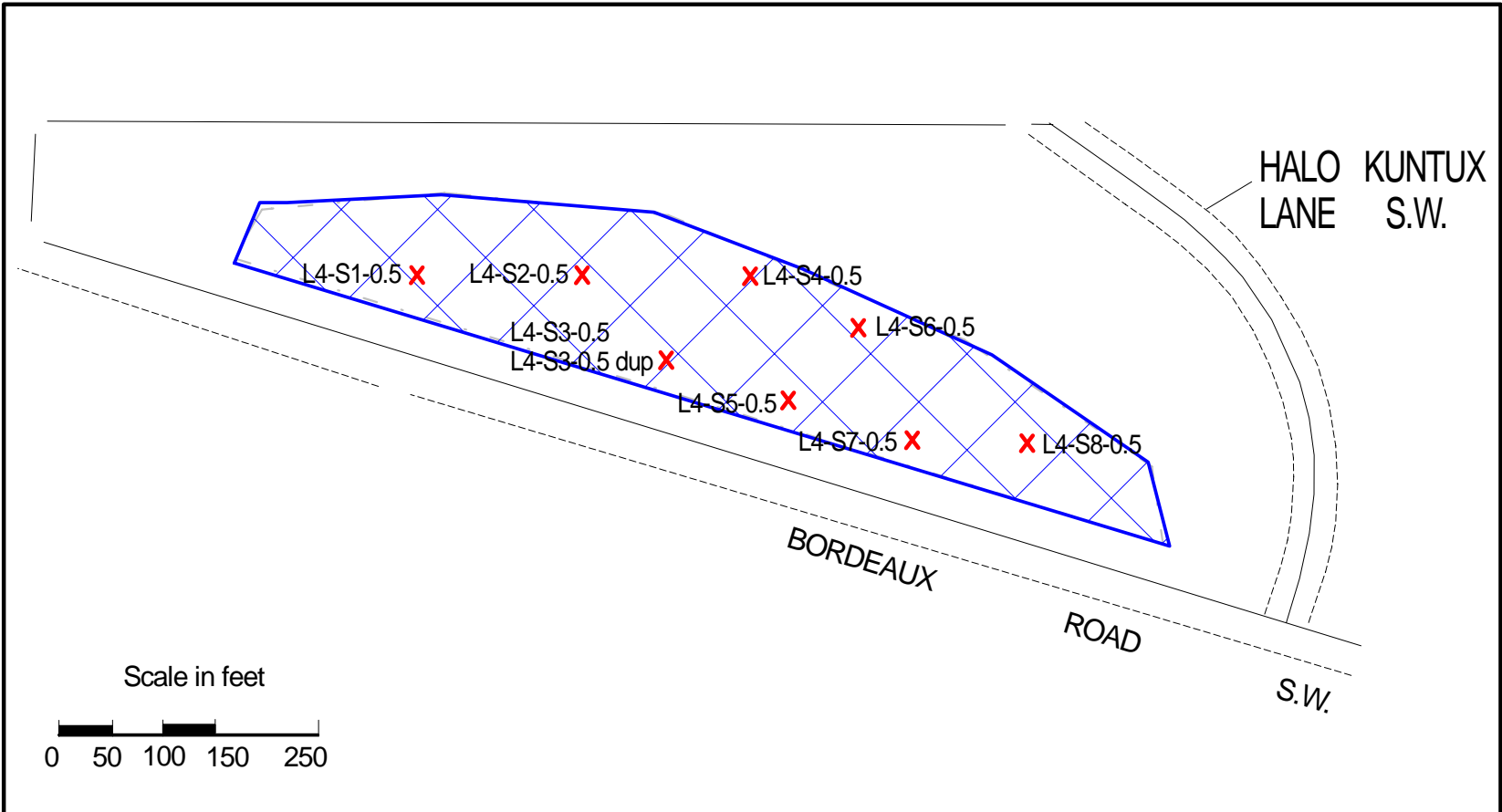
## **Sampling Results from Gravel Pit Area**

All related lab sheets are posted in the Hytec RI/FS

### Summary of Field Notes from Gravel Pit (L4) Soil Sampling, Hytec Littlerock Site, February 20, 2007

Location ID	PID Reading (ppmv)	Sample ID(s)	Analyses Requested	Location of Sample	Location (test pit) Description	Comments (all deeper samples were marked as "HOLD - do not analyze")
L4-S1	0.02	L4-S1-0.5 L4-S1-1.5	PP Metals & TPH-HCID	In middle of open space near entry of gravel pit	Gray-brown GW. Gravel to 5" little to no growth of grass, only a bit of moss above	
L4-S2		L4-S2-0.5	PP Metals & TPH-HCID	18' S of tire, 12' S of beginning of slope rise	Gray brown GW w/ thin orange clay layer. Gravel to 6"	Deep sample not collected b/c water table was 1" below the surface.
L4-S3	0.06	L4-S3-0.5 L4-S3-0.5 dup L4-S3-1.0	PP Metals, TPH-HCID, SVOCs, PCBs, & VOCs	At low spot where bushes narrow path through gravel pit (adjacent to south bushes). Puddles nearby drain into hole.		Duplicate collected of sample L4-S3-0.5, analyzed for PP Metals only. Saturated at 6", hole refilled shortly after collecting sample.
L4-S4	0.10	L4-S4-0.5 L4-S4-1.0	PP Metals, TPH-HCID, SVOCs, PCBs, & VOCs	Adjacent to shrubby trees. Can see water level dropped ~ 4' here (based on water staining color on surrounding vegetation).	Dark brown GW top 4", 4" Orange clay layer below & bottom 4" is tan gravel GW. Clay layer appears thicker on N side of hole.	Background PID reading up to 0.08 ppmv
L4-S5	0.11	L4-S5-0.5 L4-S5-1.0	PP Metals, TPH-HCID, SVOCs, PCBs, & VOCs	Adjacent to two large trees in S portion of open area.	Gray brown GW. Gravel rounded.	Background PID reading to 0.1 ppmv
L4-S6	0.10	L4-S6-0.5 L4-S6-1.0	PP Metals & TPH-HCID	At base of 25-30' hill slope, N side of open area. Between shooting targets (~4' SE & 7'W of rusty targets, likely appliances)	Tan/brown gray GW	
L4-S7	0.07	L4-S7-0.5 L4-S7-1.0	PP Metals & TPH-HCID	Adjacent to water stained vegetation on S side of open area. Three feet E of old tire.	Brown sandy gravel. Rounded gravel to 5". Darker brown peat	
L4-S8	0.20	L4-S8-0.5 L4-S8-1.0	PP Metals & TPH-HCID	On old road to gravel pit from east. 25' W of car bodies.	Thick grassy vegetative material covered surface above hole. Roots in top 6" of gravel. Tan gray GW, rounded gravel to 4". <5% fines.	

Collected 16 samples at gravel pit at Hytec from 8 locations. Brief descriptions of all 8 locations and samples collected are provided in above table. After collecting samples, all holes were logged. Site was checked to ensure all materials had been collected, and samples were repacked in cooler with double bagged ice. Samples were taken to STL-Seattle (Fife). Katie at STL collected samples @ 5:15. Ecology was notified before sampling was conducted and after sampling was completed.



Gravel Pit Soil Sampling Locations,  
Hytec-Littlerock Remedial Investigation

x Surface/subsurface Soil Sampling Locations

<b>CALIBRE Systems</b>	16935 SE 39th St, Bellevue	Project: K0088000
	WA 98008 ph: 423 643 4634	File: Gravel Pit Soil Sampling Locations
		Hytec-Littlerock Site: 3/16/07

**Summary of VOCs Detected in Soils Samples from Gravel Pit  
February 2007**

<b>Sample ID</b>	<b>Method</b>	<b>Analyte</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RL</b>	<b>MDL</b>
L4-S3-0.5	8260B	1,2-Dichloropropane	5.5	ug/Kg	J	9.1	2.8
L4-S5-0.5	8260B	1,2-Dichloropropane	3.4	ug/Kg	J	8.2	2.6

				1,2-Dichloropropane			
MTCA method B standard for residential contact				15,000 ug/Kg			
MTCA method B standard for leaching to groundwater				26 ug/Kg			
all other VOCs at ND							
RL is the reporting limit							
MDL is the method detection limit							
"J" data qualifier flag indicates analyte detected above MDL but less than RL, and is estimated.							

**Summary of SVOCs Detected in Soils Samples from Gravel Pit  
February 2007**

Sample ID	Method	Analyte	Result	Unit	Flag	RL	MDL
L4-S3-0.5	8270C	Benzofluoranthene	15	ug/Kg	J	49	12
L4-S3-0.5	8270C	Di-n-butyl phthalate	23	ug/Kg	J	250	16
L4-S3-0.5	8270C	Fluoranthene	8.3	ug/Kg	J	25	3.8
L4-S3-0.5	8270C	Pyrene	10	ug/Kg	J	25	3.3
L4-S4-0.5	8270C	Benzo[a]anthracene	32	ug/Kg		29	7.6
L4-S4-0.5	8270C	Benzo[a]pyrene	41	ug/Kg		35	10
L4-S4-0.5	8270C	Benzo[g,h,i]perylene	32	ug/Kg		29	8.6
L4-S4-0.5	8270C	Benzofluoranthene	60	ug/Kg		47	12
L4-S4-0.5	8270C	Chrysene	39	ug/Kg		29	8.8
L4-S4-0.5	8270C	Dibenz(a,h)anthracene	20	ug/Kg	J	47	14
L4-S4-0.5	8270C	Fluoranthene	47	ug/Kg		23	3.6
L4-S4-0.5	8270C	Indeno[1,2,3-cd]pyrene	35	ug/Kg	J	47	14
L4-S4-0.5	8270C	Phenanthrene	16	ug/Kg	J	23	4.7
L4-S4-0.5	8270C	Pyrene	48	ug/Kg		23	3.2

RL is the reporting limit

MDL is the method detection limit

"J" data qualifier flag indicates analyte detected above MDL but less than RL, and is estimated.

**Summary of Metals Detected in Soils Samples from Gravel Pit  
February 2007**

Sample ID	Method	Analyte	Result	Unit	Flag	RL	MDL
L4-S1-0.5	6010B	Antimony	0.91	mg/Kg	J	2.4	0.12
L4-S1-0.5	6010B	Antimony	1.1	mg/Kg	J	2.5	0.13
L4-S1-0.5	6010B	Arsenic	0.952	mg/Kg	J	2.4	0.21
L4-S1-0.5	6010B	Arsenic	0.87	mg/Kg	J	2.5	0.22
L4-S1-0.5	6010B	Beryllium	0.108	mg/Kg		0.048	0.0012
L4-S1-0.5	6010B	Beryllium	0.11	mg/Kg		0.05	0.0013
L4-S1-0.5	6010B	Cadmium	0.0551	mg/Kg	J	0.24	0.0039
L4-S1-0.5	6010B	Cadmium	0.06	mg/Kg	J	0.25	0.0041
L4-S1-0.5	6010B	Chromium	16.1	mg/Kg		0.48	0.01
L4-S1-0.5	6010B	Chromium	18	mg/Kg		0.5	0.011
L4-S1-0.5	6010B	Copper	26.5	mg/Kg		0.48	0.026
L4-S1-0.5	6010B	Copper	25	mg/Kg		0.5	0.027
L4-S1-0.5	6010B	Lead	3.23	mg/Kg		0.72	0.038
L4-S1-0.5	6010B	Lead	3.9	mg/Kg		0.75	0.039
L4-S1-0.5	7471A	Mercury	0.011	mg/Kg	J	0.02	0.0088
L4-S1-0.5	6010B	Nickel	20.8	mg/Kg		0.48	0.016
L4-S1-0.5	6010B	Nickel	22	mg/Kg		0.5	0.017
L4-S1-0.5	6010B	Selenium	1.65	mg/Kg	J	2.4	0.2
L4-S1-0.5	6010B	Selenium	1.7	mg/Kg	J	2.5	0.21
L4-S1-0.5	6010B	Silver	<0.5	mg/Kg		0.48	0.014
L4-S1-0.5	6010B	Thallium	<2.5	mg/Kg		2.4	0.24
L4-S1-0.5	6010B	Zinc	29	mg/Kg		1.5	0.061
L4-S2-0.5	6010B	Antimony	2.7	mg/Kg	J	3.1	0.16
L4-S2-0.5	6010B	Arsenic	0.8	mg/Kg	J	3.1	0.27
L4-S2-0.5	6010B	Beryllium	0.1	mg/Kg		0.061	0.0016
L4-S2-0.5	6010B	Cadmium	0.078	mg/Kg	J	0.31	0.005
L4-S2-0.5	6010B	Chromium	29	mg/Kg		0.61	0.013
L4-S2-0.5	6010B	Copper	55	mg/Kg		0.61	0.033
L4-S2-0.5	6010B	Lead	83	mg/Kg		0.92	0.048
L4-S2-0.5	7471A	Mercury	0.02	mg/Kg	J	0.022	0.0099
L4-S2-0.5	6010B	Nickel	24	mg/Kg		0.61	0.021
L4-S2-0.5	6010B	Selenium	3.3	mg/Kg		3.1	0.26
L4-S2-0.5	6010B	Zinc	47	mg/Kg		1.8	0.075
L4-S3-0.5	6010B	Antimony	1.3	mg/Kg	J	3	0.15
L4-S3-0.5	6010B	Arsenic	1.8	mg/Kg	J	3	0.26
L4-S3-0.5	6010B	Beryllium	0.15	mg/Kg		0.059	0.0015
L4-S3-0.5	6010B	Cadmium	0.052	mg/Kg	J	0.3	0.0049
L4-S3-0.5	6010B	Chromium	17	mg/Kg		0.59	0.013
L4-S3-0.5	6010B	Copper	43	mg/Kg		0.59	0.032
L4-S3-0.5	6010B	Lead	32	mg/Kg		0.89	0.047
L4-S3-0.5	7471A	Mercury	0.059	mg/Kg		0.018	0.0079
L4-S3-0.5	6010B	Nickel	19	mg/Kg		0.59	0.02
L4-S3-0.5	6010B	Selenium	2	mg/Kg	J	3	0.25
L4-S3-0.5	6010B	Zinc	45	mg/Kg		1.8	0.072
L4-S3-0.5 Dup	6010B	Antimony	1.2	mg/Kg	J	2.6	0.13
L4-S3-0.5 Dup	6010B	Arsenic	1.4	mg/Kg	J	2.6	0.23
L4-S3-0.5 Dup	6010B	Beryllium	0.14	mg/Kg		0.053	0.0014
L4-S3-0.5 Dup	6010B	Cadmium	0.022	mg/Kg	J	0.26	0.0043
L4-S3-0.5 Dup	6010B	Chromium	15	mg/Kg		0.53	0.011

Sample ID	Method	Analyte	Result	Unit	Flag	RL	MDL
L4-S3-0.5 Dup	6010B	Copper	40	mg/Kg		0.53	0.028
L4-S3-0.5 Dup	6010B	Lead	31	mg/Kg		0.79	0.042
L4-S3-0.5 Dup	7471A	Mercury	0.022	mg/Kg	J	0.023	0.01
L4-S3-0.5 Dup	6010B	Nickel	20	mg/Kg		0.53	0.018
L4-S3-0.5 Dup	6010B	Selenium	1.6	mg/Kg	J	2.6	0.22
L4-S3-0.5 Dup	6010B	Zinc	44	mg/Kg		1.6	0.064
L4-S4-0.5	6010B	Antimony	2.1	mg/Kg	J	2.6	0.13
L4-S4-0.5	6010B	Arsenic	2.3	mg/Kg	J	2.6	0.23
L4-S4-0.5	6010B	Beryllium	0.3	mg/Kg		0.052	0.0013
L4-S4-0.5	6010B	Cadmium	0.046	mg/Kg	J	0.26	0.0043
L4-S4-0.5	6010B	Chromium	34	mg/Kg		0.52	0.011
L4-S4-0.5	6010B	Copper	43	mg/Kg		0.52	0.028
L4-S4-0.5	6010B	Lead	45	mg/Kg		0.78	0.041
L4-S4-0.5	7471A	Mercury	0.037	mg/Kg		0.022	0.0099
L4-S4-0.5	6010B	Nickel	26	mg/Kg		0.52	0.017
L4-S4-0.5	6010B	Selenium	3.3	mg/Kg		2.6	0.22
L4-S4-0.5	6010B	Zinc	45	mg/Kg		1.6	0.063
L4-S5-0.5	6010B	Antimony	1.3	mg/Kg	J	2.4	0.12
L4-S5-0.5	6010B	Arsenic	1.8	mg/Kg	J	2.4	0.22
L4-S5-0.5	6010B	Beryllium	0.17	mg/Kg		0.048	0.0012
L4-S5-0.5	6010B	Cadmium	0.018	mg/Kg	J	0.24	0.004
L4-S5-0.5	6010B	Chromium	16	mg/Kg		0.48	0.01
L4-S5-0.5	6010B	Copper	24	mg/Kg		0.48	0.026
L4-S5-0.5	6010B	Lead	9.5	mg/Kg		0.73	0.038
L4-S5-0.5	7471A	Mercury	0.04	mg/Kg		0.016	0.0074
L4-S5-0.5	6010B	Nickel	18	mg/Kg		0.48	0.016
L4-S5-0.5	6010B	Selenium	1.9	mg/Kg	J	2.4	0.2
L4-S5-0.5	6010B	Zinc	31	mg/Kg		1.5	0.059
L4-S6-0.5	6010B	Antimony	1.4	mg/Kg	J	2.3	0.12
L4-S6-0.5	6010B	Arsenic	1.4	mg/Kg	J	2.3	0.21
L4-S6-0.5	6010B	Beryllium	0.1	mg/Kg		0.046	0.0012
L4-S6-0.5	6010B	Cadmium	0.05	mg/Kg	J	0.23	0.0038
L4-S6-0.5	6010B	Chromium	12	mg/Kg		0.46	0.0099
L4-S6-0.5	6010B	Copper	22	mg/Kg		0.46	0.025
L4-S6-0.5	6010B	Lead	130	mg/Kg		0.7	0.036
L4-S6-0.5	6010B	Nickel	17	mg/Kg		0.46	0.016
L4-S6-0.5	6010B	Selenium	1.3	mg/Kg	J	2.3	0.2
L4-S6-0.5	6010B	Zinc	24	mg/Kg		1.4	0.057
L4-S7-0.5	6010B	Antimony	1	mg/Kg	J	1.9	0.098
L4-S7-0.5	6010B	Arsenic	1.8	mg/Kg	J	1.9	0.17
L4-S7-0.5	6010B	Beryllium	0.23	mg/Kg		0.039	0.001
L4-S7-0.5	6010B	Cadmium	0.087	mg/Kg	J	0.19	0.0032
L4-S7-0.5	6010B	Chromium	15	mg/Kg		0.39	0.0083
L4-S7-0.5	6010B	Copper	27	mg/Kg		0.39	0.021
L4-S7-0.5	6010B	Lead	15	mg/Kg		0.58	0.031
L4-S7-0.5	7471A	Mercury	0.024	mg/Kg		0.019	0.0087
L4-S7-0.5	6010B	Nickel	19	mg/Kg		0.39	0.013
L4-S7-0.5	6010B	Selenium	2	mg/Kg		1.9	0.16
L4-S7-0.5	6010B	Zinc	33	mg/Kg		1.2	0.047
L4-S8-0.5	6010B	Antimony	0.68	mg/Kg	J	2.6	0.13
L4-S8-0.5	6010B	Arsenic	0.93	mg/Kg	J	2.6	0.23
L4-S8-0.5	6010B	Beryllium	0.092	mg/Kg		0.052	0.0013



<b>Sample ID</b>	<b>Method</b>	<b>Analyte</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RL</b>	<b>MDL</b>
L4-S8-0.5	6010B	Cadmium	0.022	mg/Kg	J	0.26	0.0043
L4-S8-0.5	6010B	Chromium	9	mg/Kg		0.52	0.011
L4-S8-0.5	6010B	Copper	16	mg/Kg		0.52	0.028
L4-S8-0.5	6010B	Lead	7.4	mg/Kg		0.78	0.041
L4-S8-0.5	7471A	Mercury	0.028	mg/Kg		0.019	0.0085
L4-S8-0.5	6010B	Nickel	16	mg/Kg		0.52	0.017
L4-S8-0.5	6010B	Selenium	1.1	mg/Kg	J	2.6	0.22
L4-S8-0.5	6010B	Zinc	20	mg/Kg		1.6	0.063

RL is the reporting limit

MDL is the method detection limit

"J" data qualifier flag indicates analyte detected above MDL but less than RL, and is estimated.

"<" indicates the analyte was not detected.

**Summary of PCBs in Soils Samples from Gravel Pit  
February 2007**

Sample ID	Method	Analyte	Result	Unit	Flag	RL	MDL
L4-S3-0.5	8082	PCB-1016	ND	mg/Kg		0.12	0.068
L4-S3-0.5	8082	PCB-1221	ND	mg/Kg		0.12	0.068
L4-S3-0.5	8082	PCB-1232	ND	mg/Kg		0.12	0.068
L4-S3-0.5	8082	PCB-1242	ND	mg/Kg		0.12	0.068
L4-S3-0.5	8082	PCB-1248	ND	mg/Kg		0.12	0.068
L4-S3-0.5	8082	PCB-1254	ND	mg/Kg		0.12	0.018
L4-S3-0.5	8082	PCB-1260	ND	mg/Kg		0.12	0.018
L4-S4-0.5	8082	PCB-1016	ND	mg/Kg		0.11	0.066
L4-S4-0.5	8082	PCB-1221	ND	mg/Kg		0.11	0.066
L4-S4-0.5	8082	PCB-1232	ND	mg/Kg		0.11	0.066
L4-S4-0.5	8082	PCB-1242	ND	mg/Kg		0.11	0.066
L4-S4-0.5	8082	PCB-1248	ND	mg/Kg		0.11	0.066
L4-S4-0.5	8082	PCB-1254	ND	mg/Kg		0.11	0.017
L4-S4-0.5	8082	PCB-1260	ND	mg/Kg		0.11	0.017
L4-S5-0.5	8082	PCB-1016	ND	mg/Kg		0.11	0.062
L4-S5-0.5	8082	PCB-1221	ND	mg/Kg		0.11	0.062
L4-S5-0.5	8082	PCB-1232	ND	mg/Kg		0.11	0.062
L4-S5-0.5	8082	PCB-1242	ND	mg/Kg		0.11	0.062
L4-S5-0.5	8082	PCB-1248	ND	mg/Kg		0.11	0.062
L4-S5-0.5	8082	PCB-1254	ND	mg/Kg		0.11	0.016
L4-S5-0.5	8082	PCB-1260	ND	mg/Kg		0.11	0.016

RL is the reporting limit

MDL is the method detection limit

"ND" indicates the analyte was not detected.

**Summary of TPH in Soils Samples from Gravel Pit  
February 2007**

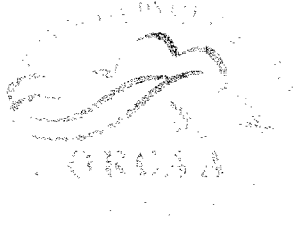
<b>Sample ID</b>	<b>Method</b>	<b>Analyte</b>	<b>Result</b>	<b>Unit</b>	<b>Flag</b>	<b>RL</b>
L4-S1-0.5	NWTPH-HCID	#2 Diesel (>C12-C24)	ND	mg/Kg		53
L4-S1-0.5	NWTPH-HCID	Gasoline	ND	mg/Kg		21
L4-S1-0.5	NWTPH-HCID	Motor Oil	ND	mg/Kg		110
L4-S2-0.5	NWTPH-HCID	#2 Diesel (>C12-C24)	ND	mg/Kg		57
L4-S2-0.5	NWTPH-HCID	Gasoline	ND	mg/Kg		23
L4-S2-0.5	NWTPH-HCID	Motor Oil	ND	mg/Kg		110
L4-S3-0.5	NWTPH-HCID	#2 Diesel (>C12-C24)	ND	mg/Kg		62
L4-S3-0.5	NWTPH-HCID	Gasoline	ND	mg/Kg		25
L4-S3-0.5	NWTPH-HCID	Motor Oil	ND	mg/Kg		120
L4-S4-0.5	NWTPH-HCID	#2 Diesel (>C12-C24)	ND	mg/Kg		57
L4-S4-0.5	NWTPH-HCID	Gasoline	ND	mg/Kg		23
L4-S4-0.5	NWTPH-HCID	Motor Oil	ND	mg/Kg		110
L4-S5-0.5	NWTPH-HCID	#2 Diesel (>C12-C24)	ND	mg/Kg		54
L4-S5-0.5	NWTPH-HCID	Gasoline	ND	mg/Kg		22
L4-S5-0.5	NWTPH-HCID	Motor Oil	ND	mg/Kg		110
L4-S6-0.5	NWTPH-HCID	#2 Diesel (>C12-C24)	ND	mg/Kg		52
L4-S6-0.5	NWTPH-HCID	Gasoline	ND	mg/Kg		21
L4-S6-0.5	NWTPH-HCID	Motor Oil	ND	mg/Kg		100
L4-S7-0.5	NWTPH-HCID	#2 Diesel (>C12-C24)	ND	mg/Kg		50
L4-S7-0.5	NWTPH-HCID	Gasoline	ND	mg/Kg		20
L4-S7-0.5	NWTPH-HCID	Motor Oil	ND	mg/Kg		100
L4-S8-0.5	NWTPH-HCID	#2 Diesel (>C12-C24)	ND	mg/Kg		52
L4-S8-0.5	NWTPH-HCID	Gasoline	ND	mg/Kg		21
L4-S8-0.5	NWTPH-HCID	Motor Oil	ND	mg/Kg		100

RL is the reporting limit

"ND" indicates the analyte was not detected.

## **APPENDIX C**

### **Burn Permit**



Olympic Region Clean Air Agency  
2940-B Limited Lane NW  
Olympia, WA 98502  
(360) 539-7610 • FAX (360) 491-6308  
(800) 422-5623 • www.ORCAA.org

# Land Clearing Burn Permit

---

**This permit is not valid until fees are paid and permittee receives an approved permit. Permit fee: \$100.00 per acre cleared. Non-refundable. Permit duration: 30 days.**

**Land clearing burning means outdoor burning of trees, stumps, shrubbery, or other natural vegetation from projects that clear the land surface so it can be developed or be left unused.**

**Burning is authorized subject to the following conditions:**

1. This permit may be suspended, modified or revoked at any time when deemed necessary for the protection of life, property, or air quality, or for violation of permit conditions.
2. At all times during burning, this approved permit must be on site and available for inspection by an ORCAA inspector.
3. A person and equipment capable of extinguishing the fire must be in attendance at all times. A fire is not extinguished until there is no visible smoke and no visible flame.
4. Only **natural vegetation**, originating on the parcel, may be burned. No burn pile may have a diameter greater than 20 feet.
5. The fire must not create a nuisance, obscure visibility on public roads and highways, or endanger life and property through spread of a fire or pollutants. In case of any of these events, combustion must be improved or fire shall be extinguished at the discretion of ORCAA.
6. No fires are to be within 100 feet of structures, 500 feet of forest slash, or 50 feet of standing trees.
7. Burn only during approved hours. Prior to ignition, call ORCAA at 360-539-7610 or 800-422-5623 (after hours, press extension 5), for current air quality information, burning hours, and restrictions.
8. This permit does not relieve the applicant from obtaining permits required by any state or local fire protection agency or from compliance with the Uniform Fire Code.
9. The permittee, by igniting a fire pursuant to this permit, accepts all responsibility for fire suppression costs incurred, or damage sustained, by any person or property. If the fire escapes, regardless of cause, the permittee shall be responsible for paying for the people and equipment for fire suppression, as required by Chapter 76.04 RCW.
10. A map or site plan where burning is proposed must be clearly outlined and included with the permit application.
11. Additional Conditions: \_\_\_\_\_

Permit # \_\_\_\_\_ Expiration Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

--OVER--



Olympic Region Clean Air Agency  
 2940-B Limited Lane NW  
 Olympia, WA 98502  
 (360) 539-7610 • FAX (360) 491-6308  
 (800) 422-5623 • www.ORCAA.org

# Land Clearing Burn Permit Application

**Permit fee: \$100.00 per acre cleared. Non-refundable. Permit duration: 30 days**  
**This permit is for AIR QUALITY purposes only and is not intended to replace any permit or applicable fire safety requirements, codes, or restrictions of an appropriate fire agency.**

**PROPERTY OWNER**

Property Owner/Business: Channey + Elizabeth Lufkin

Burn Site Address: 13434 Halo-Knutax Lane

City: Little Rock State: WA Zip: 98512

Phone: \_\_\_\_\_ FAX: \_\_\_\_\_

Legal: T 16N R 3W S 9 Parcel #: 13009210400 Fire District: 11

Purpose of burn: Land clearing

Total Acreage of parcel: 44 Acreage being cleared: 3 # Pile(s): ~2 Width: 20ft

Material being burned:  Fir/Hemlock  Hardwood  Brush  Grass  Other: \_\_\_\_\_

Is this site within 2000 feet of a hospital, school, day care, or assisted-living facility?  Yes  No

**BURN OPERATOR**

Name/Business Name: Jeff Dawson - CALIBRE Systems

Mailing Address: 64240 Airway Rd

City: Joseph State: OR Zip: 97846

Phone: 541(63)859357 Alt. phone: (541) 432-0505 FAX: \_\_\_\_\_

*I have read and will abide by the conditions set forth in this permit and any addendum thereto. I do hereby certify that the information in this application and supplemental data described herein is, to the best of my knowledge, accurate and complete.*

Justin L. Esch (360) 981-5806 [Signature] 10/7/11  
 Applicant Name Signature Date

Date Application Received	Payment Due: _____	<input type="checkbox"/> Approved	Permit # _____
	<input type="checkbox"/> Cash	<input type="checkbox"/> Disapproved	
Agency Use Only	<input type="checkbox"/> Check: # _____	Review date: ___/___/___	Permit Expiration:
	<input type="checkbox"/> Credit: # _____	Reviewed by: _____	_____/_____/_____ Agency Use Only
	Receive date: ___/___/___	Agency Use Only	

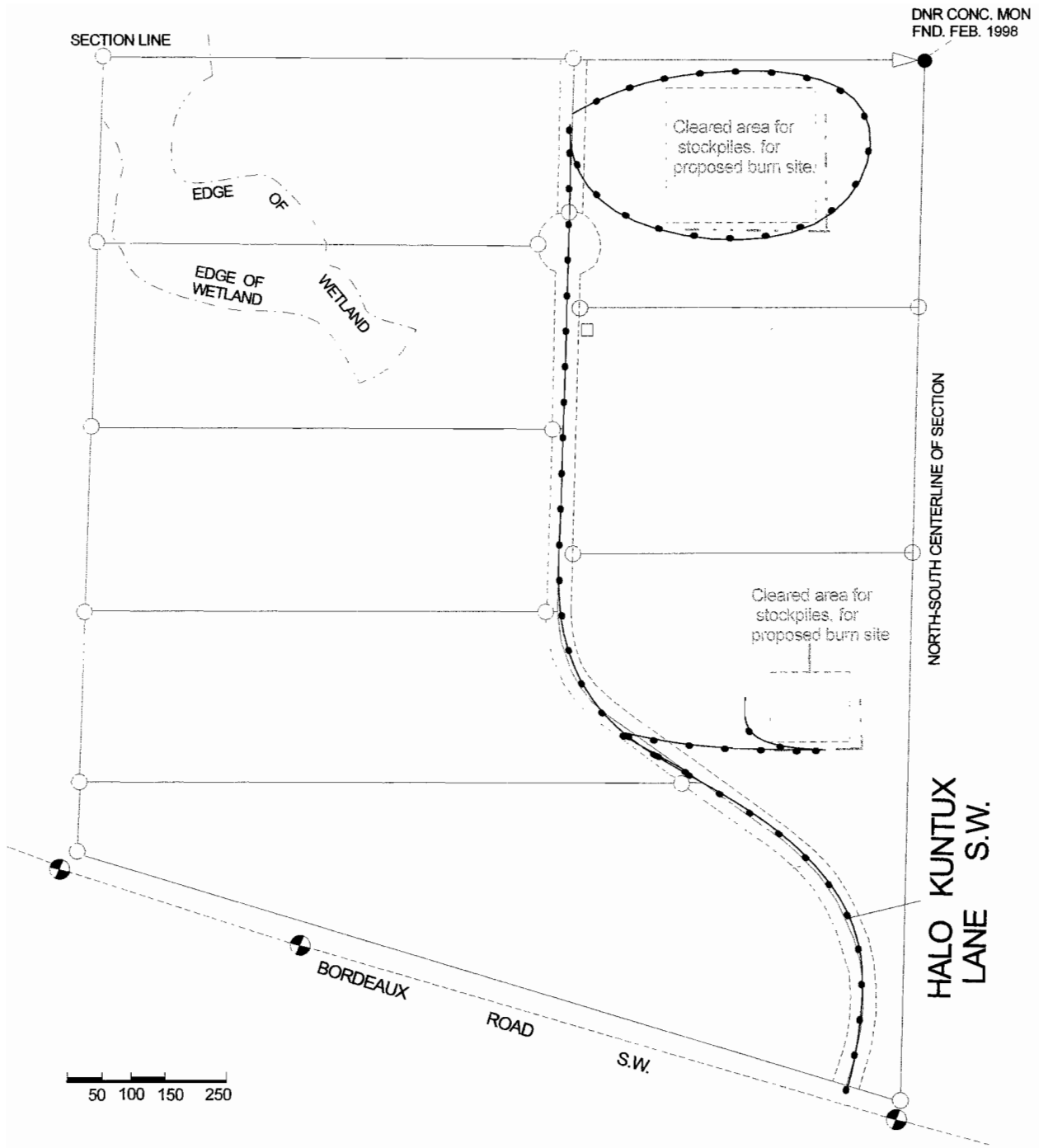


Figure 1 Proposed Land Clearing Burn Sites.

**APPENDIX D**  
**Well Construction Logs**



**CALIBRE Systems**

**GEOLOGIC BORING LOG**

<b>PROJECT:</b> Hytec-Littlerock	<b>JOB NO.:</b> K0308000	<b>SHEET 1</b> of 4	<b>BORING NO.:</b> HLMW-05B
<b>PROJECT LOCATION:</b> Littlerock, WA	<b>BORING LOCATION:</b> HLMW-02A		<b>TOTAL DEPTH:</b> 241 feet
<b>DRILL CONTRACTOR:</b> Arcadia	<b>GEOLOGIST:</b> Jeff Dawson	<b>BEGUN:</b> 02/27/12 0940	
<b>DRILL RIG:</b> M6 driltech	<b>DRILLER:</b> Steve and Josh	<b>FINISHED:</b> 02/28/12 1030	
<b>HOLE SIZE:</b> 6" steel casing to bedrock; 6" open hole	<b>WEATHER:</b> Clear, calm, 30s F	<b>GROUND ELEV.:</b>	
<b>DRILLING METHOD:</b> air rotary	<b>DRILLING FLUID/SOURCE:</b> N/A	<b>GROUND WATER (DEPTH/ELEV.):</b>	
<b>SAMPLER TYPE:</b> N/A		<b>TOP OF ROCK (DEPTH/ELEV.):</b> 53 feet	
<b>SAMPLER LENGTH AND DIAM.:</b> N/A		<b>HAMMER WEIGHT:</b>	
		<b>HAMMER FALL:</b>	

DEPTH	SAMPLE TYPE/DEPTH/NUMBER	BLOW COUNT / 6 IN.	PERCENT RECOVERY	Location Figure		
				NOTES: (PRODUCT, ODOR, OVA READING, ETC.)	USCS LOG	STRATIGRAPHIC DESCRIPTION
1'					GW	Brown fine to medium sandy subrounded gravel to cobbles. Increasing silt content with depth.
2'						
3'						
4'						
5'						
6'						
7'						
8'						
9'						
10'						

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON

Boring: HLMW-05B

Sheet 2 of 4

DEPTH	SAMPLE TYPE/DPETH/ NUMBER	BLOW COUNT / 6 IN.	PERCENT RECOVERY	NOTES: (PRODUCT, ODOR, OVA READING, ETC.)	USCS LOG	STRATIGRAPHIC DESCRIPTION
11'						
12'					GW	Brown medium sandy gravel.
13'						
14'						
15'						
16'						
17'						
18'						
19'						
20'						
21'						
22'						
23'						
24'					SW	Brown fine sandy silt.
25'					GW	Black medium sandy pea gravel.
26'						
27'						
28'						
29'						
30'						

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON

Boring: HLMW-05B

Sheet 3 of 4

DEPTH	SAMPLE TYPE/DPETH/ NUMBER	BLOW COUNT / 6 IN.	PERCENT RECOVERY	NOTES: (PRODUCT, ODOR, OVA READING, ETC.)	USCS LOG	STRATIGRAPHIC DESCRIPTION
31'						
32'						
33'					SW	Brown to grey fine sandy silt.
34'						
35'						
36'						
37'					SW	Brown pea gravelly fine sandy silt.
38'						
39'						
40'						
41'					GW	Brown medium sandy gravel.
42'						
43'						
44'					SW	Brown fine sandy silt.
45'						
46'						
47'						
48'						
49'						
50'						

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON

Boring: HLMW-05B

Sheet 4 of 4

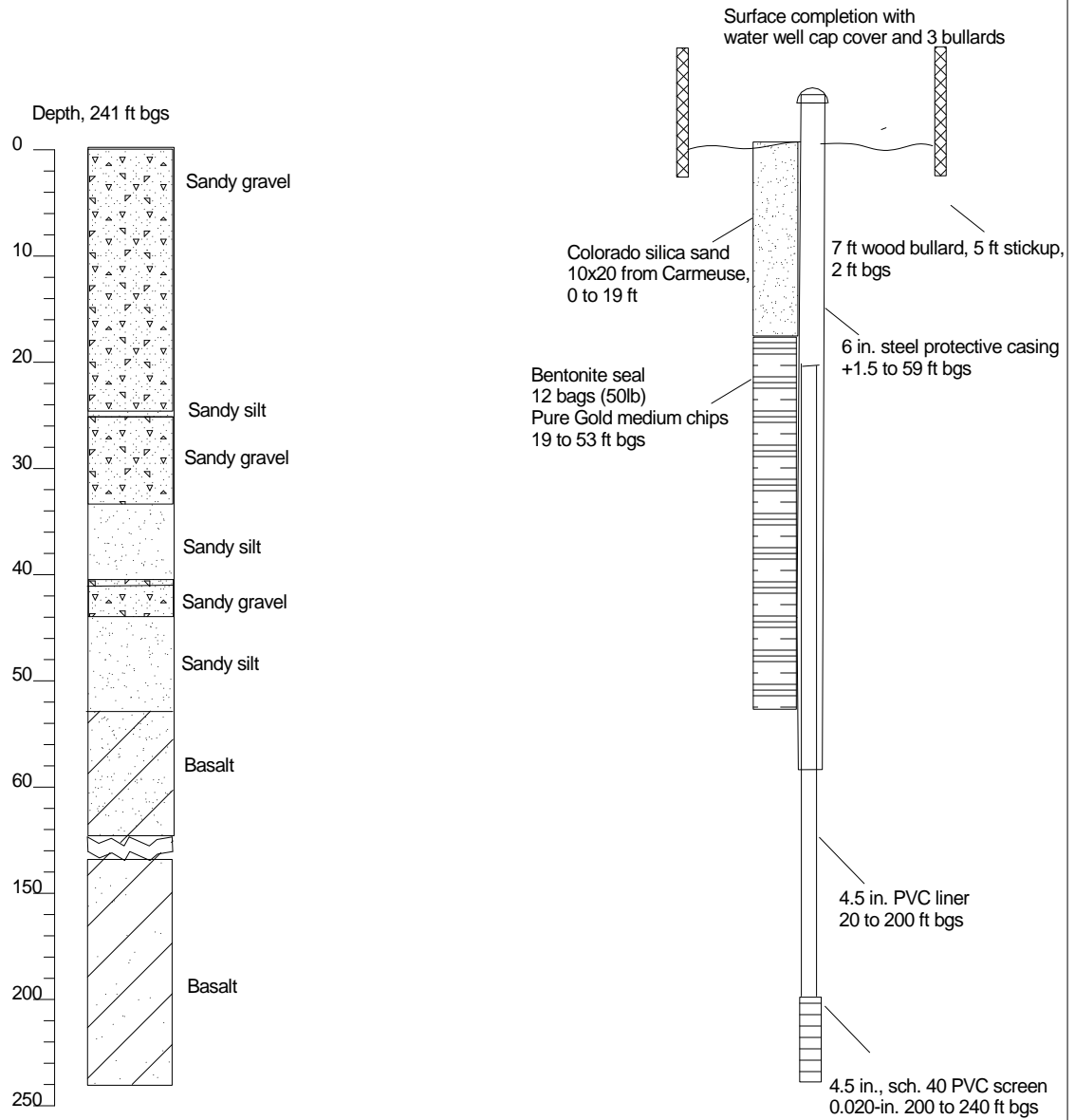
51'					
52'					
53'					Black basalt.
72' to 73'					Fracture zone w/ ½ gal./min.
74' To 208'					Black basalt.
209' to 218'					Weak fracture zone.
219' to 235'					Fractured basalt, black w/ green and Quartz veins.
236' to 241'					Black siltstone.

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON



Drilling date: 02/28/12  
 Driller: Arcadia  
 6 in. borehole, air rotary  
 Total depth: 241 ft  
 Location:  
 HLMW-02A

<b>CALIBRE Systems</b> 16935 SE 39th St. Bellevue, WA 98008 (425) 643-4634 fax (425) 649-0643		
<b>Water Well: HLMW-05B</b>		
DRAWN: JJD	CLIENT: Owens Davies, P.S.	PROJECT NO.: K0308000
CHECKED: TJM	LOCATION: Hytec-Littlerock Site	FIGURE: <b>Fig. 5B</b>

<b>PROJECT:</b> Hytec-Littlerock	<b>JOB NO.:</b> K0308000	<b>SHEET 1</b> of 5	<b>BORING NO.:</b> HLMW-06B
<b>PROJECT LOCATION:</b> Littlerock, WA	<b>BORING LOCATION:</b> HLMW-03A		<b>TOTAL DEPTH:</b> 183 feet
<b>DRILL CONTRACTOR:</b> Arcadia	<b>GEOLOGIST:</b> Jeff Dawson	<b>BEGUN:</b> 02/28/12 1050	
<b>DRILL RIG:</b> M6 driltech	<b>DRILLER:</b> Steve and Josh	<b>FINISHED:</b> 02/28/12 1400	
<b>HOLE SIZE:</b> 6" steel casing to bedrock; 6" open hole	<b>WEATHER:</b> Cloudy, breeze, 30s F	<b>GROUND ELEV.:</b>	
<b>DRILLING METHOD:</b> air rotary	<b>DRILLING FLUID/SOURCE:</b> N/A	<b>GROUND WATER (DEPTH/ELEV.):</b>	
<b>SAMPLER TYPE:</b> N/A		<b>TOP OF ROCK (DEPTH/ELEV.):</b> 74 feet	
<b>SAMPLER LENGTH AND DIAM.:</b> N/A		<b>HAMMER WEIGHT:</b>	
		<b>HAMMER FALL:</b>	

DEPTH	SAMPLE TYPE/DEPTH/NUMBER	BLOW COUNT / 6 IN.	PERCENT RECOVERY	Location Figure		
				NOTES: (PRODUCT, ODOR, OVA READING, ETC.)	USCS LOG	STRATIGRAPHIC DESCRIPTION
1'					GW	Brown medium sandy gravel to cobbles.
2'						
3'						
4'						
5'						
6'						
7'						
8'						
9'						
10'						

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON

Boring: HLMW-06B

Sheet 2 of 5

DEPTH	SAMPLE TYPE/DPETH/ NUMBER	BLOW COUNT / 6 IN.	PERCENT RECOVERY	NOTES: (PRODUCT, ODOR, OVA READING, ETC.)	USCS LOG	STRATIGRAPHIC DESCRIPTION
11'						
12'						
13'						
14'					GW	Brown medium sandy gravel.
15'						
16'						
17'						
18'						
19'						
20'						
21'						
22'						
23'						
24'						
25'						
26'					GW	Brown medium sandy gravel, saturated.
27'						
28'						
29'						
30'						

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON

Boring: HLMW-06B

Sheet 3 of 5

DEPTH	SAMPLE TYPE/DPETH/ NUMBER	BLOW COUNT / 6 IN.	PERCENT RECOVERY	NOTES: (PRODUCT, ODOR, OVA READING, ETC.)	USCS LOG	STRATIGRAPHIC DESCRIPTION
31'						
32'						
33'						
34'						
35'						
36'						
37'						
38'					CL CL	Grey clay, stiff. Brown pea gravelly grey clay.
39'						
40'						
41'						
42'						
43'					GW	Brown medium sandy gravel.
44'						
45'						
46'						
47'						
48'						
49'						
50'						

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON



Boring: HLMW-06B

Sheet 4 of 5

51'						
52'						
53'						
54'						
55'						
56'						
57'					SW	Brown gravelly medium sand.
58'						
59'					CL	Grey clay, stiff w/ occasional gravel.
60'						
61'						
62'						
63'						
64'						
65'						
66'						
67'						
68'						
69'					GW	Brown coarse sandy gravel.
74' to 81'						Black basalt w/ quartz.
82' to 103'						Black basalt.
104' to 109'						Black and green basalt w/ quartz.
110' to 113'						Black basalt, fractured.
114' to 115'						Black basalt.

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON

Boring: HLMW-06B

Sheet 5 of 5

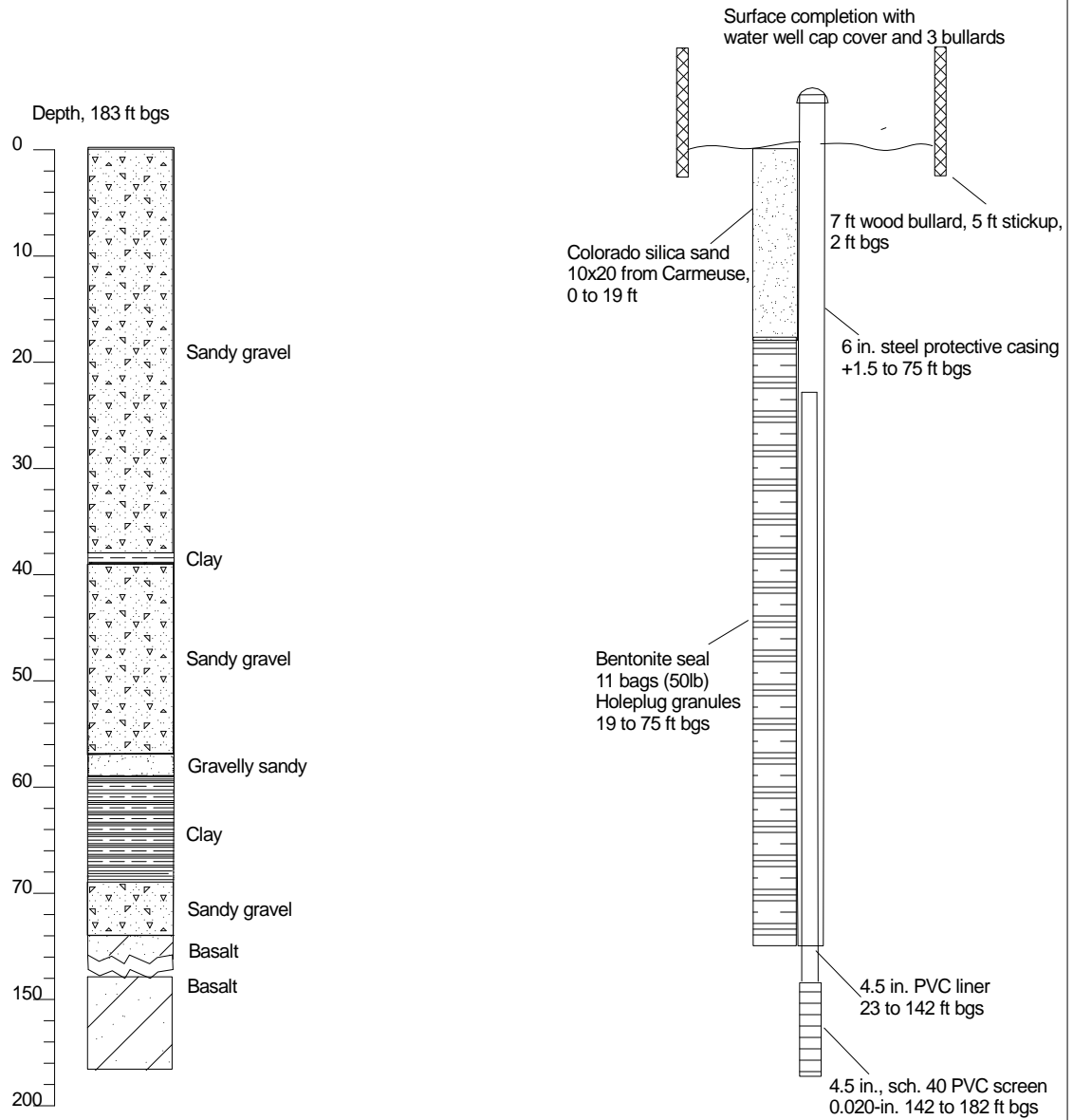
116'					Black and brown basalt, fractured.
to					
124'					
125'					Grey and white basalt.
to					
172'					
173'					Black basalt.
to					
183'					

PID = Photo ionization detector; field samples screened with PID over split-spoon sample when opened with calibrated PID.

GSA = Sample for grain size analysis

TA = Target analytes: VOC, SVOC, Metals, TSS

SAMPLE TYPES: SS = SPLIT SPOON, MP = MACRO PISTON



Drilling date: 02/29/12

Driller: Arcadia

6 in. borehole, air rotary

Total depth: 183 ft

Location:  
HLMW-03A

**CALIBRE Systems**

16935 SE 39th St.  
Bellevue, WA 98008  
(425) 643-4634 fax (425) 649-0643

REVISION NO.:  
0

DATE:  
3/23/12

ACAD FILE:  
HLMW-06B.skf

**Water Well: HLMW-06B**

DRAWN:  
JJD

CLIENT: Owens Davies, P.S.

PROJECT NO.:

K0308000

CHECKED:  
TJM

LOCATION:  
Hytec-Littlerock Site

FIGURE:

**Fig. 6B**

**APPENDIX E**  
**Well Sample Data Sheets**



**Well Sampling Data Sheet**

Date	3/22/12	Site Location	Bordeaux
Samplers	GID JN	Well ID	HLMW-07A
Casing Material	PVC	Constructed Depth	59'
Casing Diameter	2"	Condition of Well	New

**Field Measurements:**

Time	1012	Depth Measured From:	
Depth to Water	29.05'		Top of access port
		x	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:	<input checked="" type="checkbox"/> Dedicated	<input type="checkbox"/> Non-dedicated	<input type="checkbox"/> Peristaltic
Bailer:	<input type="checkbox"/> PVC	<input type="checkbox"/> Stainless Steel	<input type="checkbox"/> Other:
Purge Start Time	1015	Purge End Time	1040
Approximate Volume Purged	3.5		

**Water Monitoring Conditions:**

Time	Vol. Purged	Temperature (°C)	Conductivity (mg) <sup>µS/cm</sup>	D.O.	pH	ORP (mV)	Others <sup>Turb. N/A</sup>
1019	0	7.76	0.106	11.17	5.75	340	883
1024	1	7.50	0.072	8.46	6.13	376	740
1029	1.5	7.44	0.068	8.20	6.33	386	229
1034	2.5	7.43	0.068	8.15	6.35	392	95.3

**Sampling Data:**

Time	1039	Sample ID	HLMW-07A-032212
Vol. Purged	3.5	Duplicates	
Temperature (°C)	7.35	QA/QC Volumes	
Conductivity (mg)	0.071		
D.O.	8.07		Turb-104.
pH	6.30		
ORP (mV)	399		

**Sampling Device:**

<input type="checkbox"/> PVC Bailer	<input type="checkbox"/> SS Bailer	<input type="checkbox"/> Dedicated Pump	<input type="checkbox"/> Teflon Bailer
-------------------------------------	------------------------------------	---	--

**Analyses to be Performed:**

Volatile Organics	<input type="checkbox"/>	VOCs 8260B	SVOCs by 8270C	<input type="checkbox"/>	Sulfate 375.2
Total Metals	<input checked="" type="checkbox"/>	RCRA 8 or	SVOCs by 8270C/SIM	<input checked="" type="checkbox"/>	RSK-175 (methane, ethane, ethene)
Dissolved Metals	<input checked="" type="checkbox"/>	Priority Pollutants	Total Organic Carbon 415.1	<input type="checkbox"/>	Other

**Sampling Notes:**

Horiba calibrated ok.

Well	
Diameter	Well Volume (Gal/ft)
1 inch	0.041
2 inch	0.163
4 inch	0.653
6 inch	1.469
Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume	

### Well Sampling Data Sheet

Date	3 / 22 / 12	Site Location	Hytec
Samplers	LTD JN	Well ID	HLMW-06B
Casing Material	Steel	Constructed Depth	183'
Casing Diameter	6" → 4"	Condition of Well	New

**Field Measurements:**

Time	1055	Depth Measured From:	
Depth to Water	28.45		Top of access port
			Mark on PVC casing
		x	Mark of protective casing
			Other

**Purging Information:**

Pump:	x	Dedicated		Non-dedicated		Peristaltic
Bailer:		PVC		Stainless Steel		Other:
Purge Start Time	1102	Purge End Time	1135			
Approximate Volume Purged	6.0					

**Water Monitoring Conditions:**

Time	Vol. Purged	Temperature (°C)	Conductivity (mg)	D.O.	pH	ORP (mV)	Others
1105	0	5.46	0.338	13.33	7.72	322	46.0
1110	1.5	6.24	0.252	6.40	8.19	313	35.2
1115	3.0	6.35	0.236	5.73	8.24	309	36.0
1120	4.5	6.34	0.237	4.49	8.27	306	69.2

**Sampling Data:**

Time	1125	Sample ID	HLMW-06B-032212
Vol. Purged	6.0	Duplicates	
Temperature (°C)	6.48	QA/QC Volumes	
Conductivity (mg)	0.242	Turb = 73.9	
D.O.	4.49		
pH	8.28		
ORP (mV)	299		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	x	VOCs 8260B	SVOCs by 8270C		Sulfate 375.2
Total Metals	x	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM	x	RSK-175 (methane, ethane, ethene)
Dissolved Metals	x		Total Organic Carbon		Other

**Sampling Notes:**

	<p>Well Diameter    Well Volume (Gal/ft)</p> <p>1 inch            0.041</p> <p>2 inch            0.163</p> <p>4 inch            0.653</p> <p>6 inch            1.469</p> <p>Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume</p>
--	---

**Well Sampling Data Sheet**

Date	3/22/12	Site Location	Hyfll
Samplers	GD JW	Well ID	HLMW-03A-032212
Casing Material	PVC	Constructed Depth	57'
Casing Diameter	2"	Condition of Well	old - good

**Field Measurements:**

Time	1137	Depth Measured From:	
Depth to Water	29.46		Top of access port
		X	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:	X	Dedicated		Non-dedicated		Peristaltic
Bailer:		PVC		Stainless Steel		Other:
Purge Start Time	1138	Purge End Time	1200			
Approximate Volume Purged	4.0					

**Water Monitoring Conditions:**

Time	Vol. Purged	Temperature (°C)	Conductivity (mg)	D.O.	pH	ORP (mV)	Others
1140	0	5.52	0.111	7.19	7.71	305	999
1145	1	6.27	0.097	4.68	6.93	380	999
1150	2	6.26	0.093	6.01	6.31	393	999
1155	3	6.29	0.092	4.07	6.18	400	999

**Sampling Data:**

Time	1200	Sample ID	HLMW-03A-032212
Vol. Purged	4.0	Duplicates	
Temperature (°C)	6.31	QA/QC Volumes	
Conductivity (mg)	0.091		
D.O.	3.88		
pH	6.09		
ORP (mV)	405		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C		Sulfate 375.2
Total Metals	X	RCRA 8 or	SVOCs by 8270C/SIM	X	RSK-175 (methane, ethane, ethene)
Dissolved Metals	X	Priority Pollutants	Total Organic Carbon 415.1		Other

**Sampling Notes:**

Well Diameter		Well Volume (Gal/ft)
1 inch		0.041
2 inch		0.163
4 inch		0.653
6 inch		1.469
Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume		



**Well Sampling Data Sheet**

Date	3/22/12	Site Location	Hytec
Samplers	GD JV	Well ID	HLMW-05B
Casing Material	Steel	Constructed Depth	241'
Casing Diameter	6" → 4"	Condition of Well	New

**Field Measurements:**

Time	1242	Depth Measured From:	
Depth to Water	29.98'		Top of access port
			Mark on PVC casing
		x	Mark of protective casing
			Other

**Purging Information:**

Pump:	x	Dedicated		Non-dedicated		Peristaltic	
Bailer:		PVC		Stainless Steel		Other:	
Purge Start Time	1243	Purge End Time	1306				
Approximate Volume Purged			8				

**Water Monitoring Conditions:**

Time	Vol. Purged	Temperature (°C)	Conductivity (mg)	D.O.	pH	ORP (mV)	Others
1246	0	6.50	0.319	6.22	8.74	291	77.1
<del>1304</del> 1251	2	7.93	0.234	3.65	9.24	251	65.9
<del>1306</del> 1256	4	7.95	0.231	3.41	9.20	244	63.7
<del>1311</del> 1301	6	8.06	0.226	3.01	9.21	241	65.5

Turb 1074

**Sampling Data:**

Time	1306	Sample ID	HLMW-05B-032212
Vol. Purged	8	Duplicates	
Temperature (°C)	8.11	QA/QC Volumes	
Conductivity (mg)	0.264		
D.O.	2.77		
pH	9.98		
ORP (mV)	256		

Turb -999

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	x	VOCs 8260B	SVOCs by 8270C		Sulfate 375.2
Total Metals	x	RCRA 8 or	SVOCs by 8270C/SIM	x	RSK-175 (methane, ethane, ethene)
Dissolved Metals	x	Priority Pollutants	Total Organic Carbon 415.1		Other

**Sampling Notes:**

Well Diameter		Well Volume (Gal/ft)
1 inch		0.041
2 inch		0.163
4 inch		0.653
6 inch		1.469
Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume		

**Well Sampling Data Sheet**

Date	3/22/12	Site Location	Hytex
Samplers	GD JN	Well ID	HLMW-02A
Casing Material	PVC	Constructed Depth	39'
Casing Diameter	2"	Condition of Well	old - good

**Field Measurements:**

Time	1323	Depth Measured From:	
Depth to Water	28.21		Top of access port
		x	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:	x	Dedicated		Non-dedicated		Peristaltic
Bailer:		PVC		Stainless Steel		Other:
Purge Start Time	1328	Purge End Time	1349			
Approximate Volume Purged		3.5				

**Water Monitoring Conditions:**

Time	Vol. Purged	Temperature (°C)	Conductivity (mg)	D.O.	pH	ORP (mV)	Others
1329	0	7.28	0.065	7.20	7.92	314	284
1334	1	7.01	0.062	6.33	6.78	360	192
1339	2	7.04	0.063	6.03	6.11	394	171
1344	3	7.08	0.041	5.98	6.07	402	123

**Sampling Data:**

Time	1349	Sample ID	HLMW-02A-032212
Vol. Purged	3.5	Duplicates	
Temperature (°C)	7.05	QA/QC Volumes	
Conductivity (mg)	0.063		
D.O.	6.03		
pH	6.06		
ORP (mV)	403		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	x	VOCs 8260B	SVOCs by 8270C		Sulfate 375.2
Total Metals	x	RCRA 8 or	SVOCs by 8270C/SIM	x	RSK-175 (methane, ethane, ethene)
Dissolved Metals	x	Priority Pollutants	Total Organic Carbon 415.1		Other

**Sampling Notes:**

Well Diameter		Well Volume (Gal/ft)
1 inch		0.041
2 inch		0.163
4 inch		0.653
6 inch		1.469
Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume		

### Well Sampling Data Sheet

Date	3 / 22 / 17	Site Location	Hytec
Samplers	GD JW	Well ID	HLMW-01A
Casing Material	PVC	Constructed Depth	23'
Casing Diameter	2"	Condition of Well	old - good

**Field Measurements:**

Time	1404	Depth Measured From:	
Depth to Water	9.86		Top of access port
		x	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated		Peristaltic	
Bailer:		PVC		Stainless Steel		Other:	
Purge Start Time	1405	Purge End Time	1427				
Approximate Volume Purged				5.5			

**Water Monitoring Conditions:**

Time	Vol. Purged	Temperature (°C)	Conductivity (mg)	D.O.	pH	ORP (mV)	Others
1407	0	7.19	0.064	10.00	6.32	406	124
1412	0.75	7.04	0.066	6.32	6.20	414	299
1417	1.5	7.24	0.067	5.88	6.21	416	226
1422	2.5	7.38	0.067	5.72	6.22	399	174

**Sampling Data:**

Time	1427	Sample ID	HLMW-01A-032212
Vol. Purged	3.5	Duplicates	
Temperature (°C)	7.31	QA/QC Volumes	
Conductivity (mg)	0.067	Turb - 140	
D.O.	5.76		
pH	6.26		
ORP (mV)	411		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	x	VOCs 8260B	SVOCs by 8270C		Sulfate 375.2
Total Metals	<	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM Total Organic Carbon 415.1	x	RSK-175 (methane, ethane, ethene)
Dissolved Metals	x				Other

**Sampling Notes:**

	Well
	Diameter    Well Volume (Gal/ft)
	1 inch                    0.041
	2 inch                    0.163
	4 inch                    0.653
	6 inch                    1.469
	Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume

**Well Sampling Data Sheet**

Date	3/22/12	Site Location	Hytco
Samplers	GD JN	Well ID	HLMW-04A
Casing Material	PVC	Constructed Depth	30.5
Casing Diameter	2"	Condition of Well	old - good

**Field Measurements:**

Time	1440	Depth Measured From:	
Depth to Water	9.92		Top of access port
		X	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:	X	Dedicated		Non-dedicated		Peristaltic
Bailer:		PVC		Stainless Steel	1505	Other:
Purge Start Time	1443	Purge End Time				
Approximate Volume Purged			5			

**Water Monitoring Conditions:**

Time	Vol. Purged	Temperature (°C)	Conductivity (mg)	D.O.	pH	ORP (mV)	Others
1445	0	7.95	0.104	11.45	6.37	403	159
1450	1	7.92	0.095	5.26	6.52	404	95.7
1455	2	7.85	0.094	4.90	6.28	406	62.4
1500	3	7.88	0.094	4.69	6.57	407	38.1

**Sampling Data:**

Time	1505	Sample ID	HLMW-04A-032212
Vol. Purged	5	Duplicates	HLMW-04A-032212 MS/MSD
Temperature (°C)	7.86	QA/QC Volumes	
Conductivity (mg)	0.094		
D.O.	4.66		
pH	7.22		
ORP (mV)	408		

Turb - 260

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C		Sulfate 375.2
Total Metals	X	RCRA 8 or	SVOCs by 8270C/SIM	X	RSK-175 (methane, ethane, ethene)
Dissolved Metals	X	Priority Pollutants	Total Organic Carbon		Other

**Sampling Notes:**

Well Diameter		Well Volume (Gal/ft)
1 inch		0.041
2 inch		0.163
4 inch		0.653
6 inch		1.469
Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume		

### Well Sampling Data Sheet

Date	7 / 11 / 2012	Site Location	
Samplers	TD + CG	Well ID	HLMW-01A
Casing Material	PVC	Constructed Depth	23'
Casing Diameter	2"	Condition of Well	

**Field Measurements:**

Time	11:09 am	Depth Measured From:	
Depth to Water	13.87		Top of access port
		x	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time		Purge End Time			
Approximate Gallons Purged					

**Water Monitoring Conditions:**

Time	11:16	11:21	11:26	11:31		
pH	6.24	5.53	5.65	5.63		
Conductivity	0.058	0.060	0.059	0.059		
Turbidity	24.8	49.0	15.0	24.9		
D.O.	5.72	7.71	8.09	8.55		
Temperature	12.60	11.08	11.00	10.83		
ORP	153	195	199	205		
Purge Rate	-	-	-	-		
Gallons Purged	0.5	1.5	2.5	3.5		

**Sampling Data:**

Time	11:31	Sample ID	
pH	5.63	Duplicates	
Conductivity	0.059	QA/QC Volumes	
Turbidity	24.9		
D.O.	8.55		
Temperature	10.83		
ORP	205		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C	X	Sulfate 375.2	
Total Metals	X	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)	
Dissolved Metals	X		Total Organic Carbon 415.1		Other	

**Sampling Notes:**

Well  
 Diameter    Well Volume (Gal/ft)  
 1 inch            0.041  
 2 inch            0.163  
 4 inch            0.653  
 6 inch            1.469  
 Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
 0.0408 = 1 Well Volume

### Well Sampling Data Sheet

Date	7 / 11 / 2012	Site Location	
Samplers	JD + CG	Well ID	HLMW-02A
Casing Material	PVC	Constructed Depth	39'
Casing Diameter	2"	Condition of Well	good

**Field Measurements:**

Time	3:04 pm	Depth Measured From:	
Depth to Water	33.48'		Top of access port
		x	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time		Purge End Time			
Approximate Gallons Purged					

**Water Monitoring Conditions:**

Time	3:23 pm	3:28 pm	3:33 pm	3:38 pm		
pH	5.74	5.48	5.75	5.74		
Conductivity	0.055	0.051	0.050	0.050		
Turbidity	352	524	481	425		
D.O.	6.15	7.29	6.46	6.12		
Temperature	17.65°C	16.09°C	16.76°C	17.75		
ORP	154	164	160	170		
Purge Rate						
Gallons Purged	0.1	0.5	0.75	1.0		

**Sampling Data:**

Time	3:38 pm	Sample ID	
pH	5.74	Duplicates	
Conductivity	0.050	QA/QC Volumes	
Turbidity	425		
D.O.	6.12		
Temperature	17.75		
ORP	170		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C	X	Sulfate 375.2
Total Metals	X	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)
Dissolved Metals	X		Total Organic Carbon 415.1		Other

**Sampling Notes:**

Well  
Diameter    Well Volume (Gal/ft)  
1 inch            0.041  
2 inch            0.163  
4 inch            0.653  
6 inch            1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
0.0408 = 1 Well Volume

### Well Sampling Data Sheet

Date	7/11/2012	Site Location	Hytec
Samplers	JD CG	Well ID	HLMW-03A
Casing Material	PVC	Constructed Depth	57'
Casing Diameter	2"	Condition of Well	good.

**Field Measurements:**

Time	2:16 pm	Depth Measured From:	
Depth to Water	45.88'		Top of access port
		X	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time		Purge End Time			
Approximate Gallons Purged					

**Water Monitoring Conditions:**

Time	2:30 pm	2:35 pm	2:40 pm	2:45 pm			
pH	6.65	5.83	5.82	5.81			
Conductivity	0.088	0.083	0.082	0.082			
Turbidity	7999	7999	7999	1000			
D.O.	13.00	8.87	7.86	7.28			
Temperature	14.09°C	11.01°C	10.68°C	10.42			
ORP	222	250	251	254			
Purge Rate							
Gallons Purged	0.2 g	1.0 g	2.5	4.0			

**Sampling Data:**

Time	2:45 pm	Sample ID	HLMW-07A-071112
pH	5.81	Duplicates	
Conductivity	0.082	QA/QC Volumes	
Turbidity	1000		
D.O.	7.28		
Temperature	10.42		
ORP	254		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C	X	Sulfate 375.2	
Total Metals	X	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)	
Dissolved Metals	X		Total Organic Carbon 415.1		Other	

**Sampling Notes:**

Well  
 Diameter    Well Volume (Gal/ft)  
 1 inch            0.041  
 2 inch            0.163  
 4 inch            0.653  
 6 inch            1.469  
 Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
 0.0408 = 1 Well Volume

### Well Sampling Data Sheet

Date	7/11/2012	Site Location	Hytec
Samplers	JD CG	Well ID	HLMW-04A
Casing Material	PVC	Constructed Depth	30.5'
Casing Diameter	2"	Condition of Well	

**Field Measurements:**

Time	11:03	Depth Measured From:	
Depth to Water	24.27	<input type="checkbox"/>	Top of access port
		<input checked="" type="checkbox"/>	Mark on PVC casing
		<input type="checkbox"/>	Mark of protective casing
		<input type="checkbox"/>	Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time		Purge End Time			
Approximate Gallons Purged					

**Water Monitoring Conditions:**

Time	10:18am	10:23am	10:28am	10:33am	10:38		
pH	6.60	5.63	5.40	5.59	5.61		
Conductivity	0.095	0.092	0.092	0.091	0.092		
Turbidity	350	86.8	40.8	29.0	22.1		
D.O.	7.45	5.73	5.38	5.05	5.24		
Temperature	11.92	10.55	10.41	10.63	10.63		
ORP	221	233	235	240	234		
Purge Rate	-	-					
Gallons Purged	0.25 gal	1.0 gal	2.0 gal	2.5	3.0 gal		

**Sampling Data:**

Time	10:38	Sample ID	HLMW-04A-071112
pH	5.61	Duplicates	HLMW-04B-071112 - state time 0720
Conductivity	0.092	QA/QC Volumes	
Turbidity	22.1		
D.O.	5.24		
Temperature	10.63		
ORP	234		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	<input checked="" type="checkbox"/>	VOCs 8260B	SVOCs by 8270C	<input checked="" type="checkbox"/>	Sulfate 375.2
Total Metals	<input checked="" type="checkbox"/>	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)
Dissolved Metals	<input checked="" type="checkbox"/>		Total Organic Carbon 415.1		Other

**Sampling Notes:**

	<p style="text-align: center;">Well</p> <table style="width: 100%;"> <tr> <td style="width: 30%;">Diameter</td> <td style="width: 70%;">Well Volume (Gal/ft)</td> </tr> <tr> <td>1 inch</td> <td>0.041</td> </tr> <tr> <td>2 inch</td> <td>0.163</td> </tr> <tr> <td>4 inch</td> <td>0.653</td> </tr> <tr> <td>6 inch</td> <td>1.469</td> </tr> </table> <p>Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume</p>	Diameter	Well Volume (Gal/ft)	1 inch	0.041	2 inch	0.163	4 inch	0.653	6 inch	1.469
Diameter	Well Volume (Gal/ft)										
1 inch	0.041										
2 inch	0.163										
4 inch	0.653										
6 inch	1.469										



### Well Sampling Data Sheet

Date	7/12/2012	Site Location	Hytec
Samplers	JD + CG	Well ID	HLMW-05B
Casing Material	Steel	Constructed Depth	241'
Casing Diameter	6"-4"	Condition of Well	good

**Field Measurements:**

Time	8:10am	Depth Measured From:	
Depth to Water	51.35'		Top of access port
	8:25am		Mark on PVC casing
	50.23'	X	Mark of protective casing
	*8:28		Other
	50-10		

- top of Steel protective casing

**Purging Information:**

Pump:	X	Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time	8:55	Purge End Time	11:00am	3.5 gal/min	
Approximate Gallons Purged	500 gal				

**Water Monitoring Conditions:**

Time							
pH							
Conductivity							
Turbidity							
D.O.							
Temperature							
ORP							
Purge Rate							
Gallons Purged							

**Sampling Data:**

Time	1530	Sample ID	HLMW-05B
pH		Duplicates	
Conductivity		QA/QC Volumes	
Turbidity			
D.O.			
Temperature			
ORP			

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C	X	Sulfate 375.2
Total Metals	X	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)
Dissolved Metals	X		Total Organic Carbon 415.1		Other

**Sampling Notes:**

Purging flow rate increase @ 9:14am to 7 gal/min  
Pumped well dry @ 1 hr

Well  
Diameter Well Volume (Gal/ft)  
1 inch 0.041  
2 inch 0.163  
4 inch 0.653  
6 inch 1.469  
Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume

### Well Sampling Data Sheet

Date	7/13/2012	Site Location	Hytec
Samplers	JD + CG	Well ID	HLMW-06B
Casing Material	Steel	Constructed Depth	183"
Casing Diameter	6"-4"	Condition of Well	good

**Field Measurements:**

Time	7:16	Depth Measured From:	
Depth to Water	49.15'		Top of access port
			Mark on PVC casing
		X	Mark of protective casing
			Other

*top of steel casing*

**Purging Information:**

Pump:	<input checked="" type="checkbox"/>	Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time	7:15	Purge End Time	0930		
Approximate Gallons Purged	550 gal.				

**Water Monitoring Conditions:**

Time							
pH							
Conductivity							
Turbidity							
D.O.							
Temperature							
ORP							
Purge Rate							
Gallons Purged							

**Sampling Data:**

Time	0940	Sample ID	
pH		Duplicates	
Conductivity		QA/QC Volumes	
Turbidity			
D.O.			
Temperature			
ORP			

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics		VOCs 8260B	SVOCs by 8270C	Sulfate 375.2	
Total Metals		RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM	RSK-175 (methane, ethane, ethene)	
Dissolved Metals			Total Organic Carbon 415.1	Other	

**Sampling Notes:**

<p><i>Purged with Grundfos submersible pump</i></p>	<p style="text-align: center;">Well</p> <table style="width: 100%;"> <tr> <td style="width: 30%;">Diameter</td> <td>Well Volume (Gal/ft)</td> </tr> <tr> <td>1 inch</td> <td>0.041</td> </tr> <tr> <td>2 inch</td> <td>0.163</td> </tr> <tr> <td>4 inch</td> <td>0.653</td> </tr> <tr> <td>6 inch</td> <td>1.469</td> </tr> </table> <p>Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume</p>	Diameter	Well Volume (Gal/ft)	1 inch	0.041	2 inch	0.163	4 inch	0.653	6 inch	1.469
Diameter	Well Volume (Gal/ft)										
1 inch	0.041										
2 inch	0.163										
4 inch	0.653										
6 inch	1.469										

**Well Sampling Data Sheet**

Date	7 / 11 / 2012	Site Location	Bordeaux
Samplers	JD + CG	Well ID	HLMW-07A
Casing Material	PVC	Constructed Depth	59'
Casing Diameter	2"	Condition of Well	good

**Field Measurements:**

Time	1:25 pm	Depth Measured From:	
Depth to Water	43.97'		Top of access port
		X	Mark on PVC casing
			Mark of protective casing
			Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time			Purge End Time		
Approximate Gallons Purged					

**Water Monitoring Conditions:**

Time	1:31p	1:34p	1:41p	1:46p			
pH	6.18	5.64	5.63	5.67			
Conductivity	0.061	0.061	0.061	0.061			
Turbidity	7999	<del>0.0</del> 7999	7999	709			
D.O.	10.46	8.11					
Temperature	10.56	9.15	9.01	8.94			
ORP	188	242	249	255			
Purge Rate							
Gallons Purged	0.5 gal	1.5 gal	2.75	4.5			

**Sampling Data:**

Time	1:46p	Sample ID	HMLW-07A-071112
pH	5.67	Duplicates	<del>4</del>
Conductivity	0.061	QA/QC Volumes	HMLW-07A-MS/MSD
Turbidity	709		
D.O.			
Temperature	8.94		
ORP	<del>188</del> 255		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C	X	Sulfate 375.2
Total Metals	X	RCRA 8 or Priority	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)
Dissolved Metals	2	Pollutants	Total Organic Carbon 415.1		Other

**Sampling Notes:**

unable to read D.O. measurement on HORIBA. Condensation on screen.

Well Diameter	Well Volume (Gal/ft)
1 inch	0.041
2 inch	0.163
4 inch	0.653
6 inch	1.469
Or: (total depth(ft) - DTW(ft)) x Well Dia <sup>2</sup> x 0.0408 = 1 Well Volume	

### Well Sampling Data Sheet

Date	7/11/2012	Site Location	
Samplers	JD CG	Well ID	MOWE
Casing Material		Constructed Depth	
Casing Diameter		Condition of Well	

**Field Measurements:**

Time		Depth Measured From: —	
Depth to Water	—	—	Top of access port
		—	Mark on PVC casing
		—	Mark of protective casing
		—	Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time		Purge End Time			
Approximate Gallons Purged					

**Water Monitoring Conditions:**

Time	7:37am	7:46am	7:51am	7:58am	8:07am		
pH	5.26	7.93	8.18	8.34	8.42		
Conductivity	0.416	0.237	0.221	0.219	0.224		
Turbidity	3.0	1.9	3.1	1.3	0.2		
D.O.	4.42	3.14	3.20	2.86	2.59		
Temperature	14.7°C	11.99°C	11.04	11.34	11.33		
ORP	146	23	37	49	61		
Purge Rate	—	—	—	—	—		
Gallons Purged	0	27	42	63	90		

**Sampling Data:**

Time	8:07am	Sample ID	MOWE-071112
pH	8.42	Duplicates	—
Conductivity	0.224	QA/QC Volumes	—
Turbidity	0.2		
D.O.	2.59		
Temperature	11.33		
ORP	61		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C	X	Sulfate 375.2	
Total Metals	X	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)	
Dissolved Metals	X		Total Organic Carbon 415.1		Other	

**Sampling Notes:**

	<p style="text-align: center;">Well</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Diameter</td> <td style="width: 70%;">Well Volume (Gal/ft)</td> </tr> <tr> <td>1 inch</td> <td>0.041</td> </tr> <tr> <td>2 inch</td> <td>0.163</td> </tr> <tr> <td>4 inch</td> <td>0.653</td> </tr> <tr> <td>6 inch</td> <td>1.469</td> </tr> </table> <p>Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume</p>	Diameter	Well Volume (Gal/ft)	1 inch	0.041	2 inch	0.163	4 inch	0.653	6 inch	1.469
Diameter	Well Volume (Gal/ft)										
1 inch	0.041										
2 inch	0.163										
4 inch	0.653										
6 inch	1.469										

### Well Sampling Data Sheet

Date	7 / 11 / 2012	Site Location	
Samplers	JD CG	Well ID	PAWE
Casing Material		Constructed Depth	
Casing Diameter		Condition of Well	

**Field Measurements:**

Time		Depth Measured From:
Depth to Water		Top of access port
		Mark on PVC casing
		Mark of protective casing
		Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time		Purge End Time			
Approximate Gallons Purged					

**Water Monitoring Conditions:**

Time	12:41	@ 12:46	12:51	12:56		
pH	6.58	6.05	5.98	6.00		
Conductivity	0.085	0.081	0.076	0.072		
Turbidity	19.0	38.5	22.3	61.0		
D.O.	8.78	5.12	12.5			
Temperature	18.81	14.24	12.59	11.85		
ORP	151	165	165	166		
Purge Rate	3.0 gal/min	-	-			
Gallons Purged	15 gal	30 gal	45 gal	60		

**Sampling Data:**

Time	12:56	Sample ID	PAWE-071112
pH	6.00	Duplicates	
Conductivity	6.072	QA/QC Volumes	
Turbidity	61.0		
D.O.			
Temperature	11.85		
ORP	166		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	<input checked="" type="checkbox"/>	VOCs 8260B	SVOCs by 8270C	<input checked="" type="checkbox"/>	Sulfate 375.2
Total Metals	<input checked="" type="checkbox"/>	RCRA 8 or Priority	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)
Dissolved Metals	<input checked="" type="checkbox"/>	Pollutants	Total Organic Carbon 415.1		Other

**Sampling Notes:**

Unable to read D.O. conditions on Horiba monitoring device

Well Diameter Well Volume (Gal/ft)

1 inch	0.041
2 inch	0.163
4 inch	0.653
6 inch	1.469

Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x 0.0408 = 1 Well Volume

**Well Sampling Data Sheet**

Date	7/11/2012	Site Location	
Samplers	JD + CG	Well ID	SPWE
Casing Material		Constructed Depth	180
Casing Diameter		Condition of Well	

**Field Measurements:**

Time	8:37	Depth Measured From:	
Depth to Water	<del>53.85</del> 53.81		Top of access port
			Mark on PVC casing
		X	Mark of protective casing
			Other

**Purging Information:**

Pump:		Dedicated		Non-dedicated	
Bailer:		PVC		Stainless Steel	Other:
Purge Start Time		Purge End Time			
Approximate Gallons Purged					

**Water Monitoring Conditions:**

Time	9:23am	9:28am	9:33am	9:38am			
pH	7.68	7.36	7.48	7.28			
Conductivity	0.19	0.184	0.184	0.184			
Turbidity	9.0	11.5	10.2	10.5			
D.O.	10.69	3.00	2.38	2.01			
Temperature	11.5°C	10.48°C	10.36°C	10.34			
ORP	156	141	124	124			
Purge Rate							
Gallons Purged	0.25	0.75	1.25	2.5			

**Sampling Data:**

Time	9:38am	Sample ID	SPWE-071112
pH	7.28	Duplicates	-
Conductivity	0.184	QA/QC Volumes	-
Turbidity	10.5		
D.O.	2.01		
Temperature	10.34		
ORP	124		

**Sampling Device:**

PVC Bailer		SS Bailer		Dedicated Pump		Teflon Bailer	
------------	--	-----------	--	----------------	--	---------------	--

**Analyses to be Performed:**

Volatile Organics	X	VOCs 8260B	SVOCs by 8270C	X	Sulfate 375.2	
Total Metals	X	RCRA 8 or Priority Pollutants	SVOCs by 8270C/SIM		RSK-175 (methane, ethane, ethene)	
Dissolved Metals	X		Total Organic Carbon 415.1		Other	

**Sampling Notes:**

Well  
 Diameter    Well Volume (Gal/ft)  
 1 inch            0.041  
 2 inch            0.163  
 4 inch            0.653  
 6 inch            1.469  
 Or: (total depth(ft) - DTW(ft)) x Well Dia<sup>2</sup> x  
 0.0408 = 1 Well Volume

**Appendix F**  
**Photographs**



1. Debris stockpile from Hytec East (HE) sub unit.



2. Sample units 3 and 4 of Fiberglass Debris Landfill stockpile.





3. North end of Hytec East (HE) sub unit



4. South end of Hytec East (HE) sub unit



5. East end of Hytec East (HE) sub unit



6. Ten foot pit at north end of Hytec east (HE) sub unit



7. Central area of Hytec east (HE) sub unit



8. Hytec east subunit with excavation and sampling completed.



9. Fiberglass debris under Halo Kuntux lane.



10. Debris under road excavated.



11. Temporary road.



12. Temporary road watered and rolled.



13. Hytec Spears (HS) subunit cleared and grubbed.



14. Firewood off Spears and Morgan parcels.



15. Hytec Spears (HS) sub unit with west boundary of debris defined.



16. Hytec Morgan (HM) sub unit partially cleared, grubbed, and boundary defined.



17. Hytec Spears (HS) sub unit excavation southwest corner.



18. Hytec Spears (HS) sub unit excavation west boundary.





19. Morgan utility trench excavated (in HM sub unit)



20. Morgan utility trench bedded in sand.



21. Hytec Morgan (HM sub unit) debris being excavated.



22. Debris cleaned from around Morgan and Spears wells.



23. Debris from under road removed.



24. Debris removal on Hytec Spears (HS ) sub unit started.



25. Debris removed from under Morgan driveway with driveway partially restored.



26. Temporary driveway restoration complete.



27. Backfill on Hytec Morgan (HM) sub unit.



28. Loading out road spoils debris.



29. Backfilling Hytec Morgan (HM) sub unit



30. Two sample grids Hytec Morgan (HM) sub unit.



31. Hytec debris stockpile.



32. Hytec Spears (HS) sub unit south central trench.



33. Hytec north debris and drums.



34. South end of Hytec Spears (HS) sub unit cleaned.





35. West end of Hytec buried drum area.



36. Last of Morgan driveway and cul-de-sac excavation.



37. Morgan driveway restored.



38. Hytec Spears west trench excavated.



39. East end of drum trench excavated.



40. Hytec Spears south central trench mostly backfilled.



41. Crushed drum stockpile (as excavated)



42. Drum trench scraped clean.



43. Hytec Spears backfilled.



44. Fiberglass Debris Landfill stockpile area cleaned.



45. Cul-de-sac cleaned.



46. Overview of backfilled Fiberglass Debris Landfill site.



47. Borrow pit final grading.



48. Morgan parcel restored.





49. Spears parcel restored.



50. Slash pile burn.



51. Road, cul-de-sac and driveway fully restored.



52. Revegetation seeding growth on Morgan parcel 9 Nov 11.



53. Final waste pile covered and awaiting trucks.



54. Last waste pile site restored.



55. New well HLMW-05B.



56. New well HLMW-06B.

**Appendix G**  
**Quarterly Monitoring Report Addendum**  
**September 2012**

**Appendix H**  
**Quarterly Monitoring Report Addendum**  
**January 2013**