

**VOLUNTARY REMEDIATION PROGRAM APPLICATION  
GENERAL TIME ATHENS PLANT  
ATHENS, GEORGIA**

**by**

**Haley & Aldrich, Inc.  
Greenville, South Carolina**

**for**

**Carpenter Technology Corporation  
Reading, Pennsylvania**

**File No. 38111-006  
March 2012**

**PROFESSIONAL GEOLOGIST CERTIFICATION**

I certify that I am a qualified groundwater scientist who has received a post-graduate degree in the natural sciences, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this VRP Application prepared for Carpenter Technology Corporation for the General Time site, located in Athens, Georgia, was prepared by myself and appropriate qualified subordinates working under my direction.



A handwritten signature in blue ink that reads "Daniel E. McDonnell".

\_\_\_\_\_  
Daniel E. McDonnell, P.G.  
Georgia Professional Geologist Registration No. 002083

\_\_\_\_\_  
28 March 2012  
Date

# Voluntary Investigation and Remediation Plan Application Form and Checklist

## VRP APPLICANT INFORMATION

<b>COMPANY NAME</b>	Carpenter Technology Corporation				
<b>CONTACT PERSON/TITLE</b>	Sean McGowan / Manager, Environmental Affairs				
<b>ADDRESS</b>	105 West Bern Street, Reading, PA 19612				
<b>PHONE</b>	610-208-3018	<b>FAX</b>	610-736-6329	<b>E-MAIL</b>	smcgowan@cartech.com
<b>GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP</b>					
<b>NAME</b>	Daniel E. McDonnell		<b>GA PE/PG NUMBER</b>	PG002083	
<b>COMPANY</b>	Haley and Aldrich				
<b>ADDRESS</b>	501 River Street, Suite 100 Greenville, SC 29601				
<b>PHONE</b>	864-214-8754	<b>FAX</b>	864-242-9140	<b>E-MAIL</b>	dmcdonnell@haleyaldrich.com

### APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:


- (1) The property must have a release of regulated substances into the environment;
- (2) The property shall not be:
  - (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
  - (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
  - (C) A facility required to have a permit under Code Section 12-8-66.
- (3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
- (4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:

- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

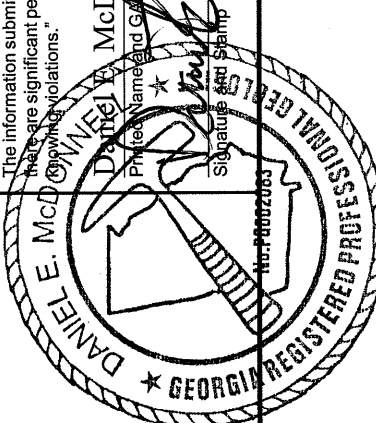
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

<b>APPLICANT'S SIGNATURE</b>			
<b>APPLICANT'S NAME/TITLE (PRINT)</b>	Sean McGowan / Manager, Environmental Affairs	<b>DATE</b>	March 23, 2012

**QUALIFYING PROPERTY INFORMATION (For additional qualifying properties, please refer to the last page of application form)**

HAZARDOUS SITE INVENTORY INFORMATION (if applicable)			
HSI Number	10355		
Date HSI Site listed	1/30/95		
HSI Facility Name	General Time Corporation		
NAICS CODE	999990		
PROPERTY INFORMATION			
TAX PARCEL ID	112.003		
PROPERTY ADDRESS	100 Newton Bridge Road		
CITY	Athens		
STATE	Georgia		
LATITUDE (decimal format)	38.980		
COUNTY	Clarke		
ZIP CODE	30607		
LONGITUDE (decimal format)	83.394		
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	Talley Industries		
PHONE #	610-208-3018		
MAILING ADDRESS	P.O. Box 14662		
CITY	Reading		
STATE/ZIP CODE	PA/19612-4662		
ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	<b>\$5,000 APPLICATION FEE IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES.</b> (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.)	Appendix A	
2.	<b>WARRANTY DEED(S) FOR QUALIFYING PROPERTY.</b>	Appendix B	
3.	<b>TAX PLAT OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).</b>	Appendix B	
4.	<b>ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).</b> The VRP participant's initial plan and application must include, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a <b>PROJECTED MILESTONE SCHEDULE</b> for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi-annual status report to the director describing implementation of the plan	X	
5.		Body of Text; Figures 1 - 8; Tables 1-4; Appendix C	

	<p>during the preceding period. A Gantt chart format is preferred for the milestone schedule.</p> <p>The following four (4) generic milestones are required in all initial plans with the results reported in the participant's next applicable semi-annual reports to the director. The director may extend the time for or waive these or other milestones in the participant's plan where the director determines, based on a showing by the participant, that a longer time period is reasonably necessary.</p>	
5.a.	<p>Within the first 12 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern on property where access is available at the time of enrollment;</p>	Figure 9
5.b.	<p>Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;</p>	Figure 9
5.c.	<p>Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and</p>	Figure 9
5.d.	<p>Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.</p>	Figure 9
6.	<p><b>SIGNED AND SEALED PE/PG CERTIFICATION AND SUPPORTING DOCUMENTATION:</b></p> <p>"I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.), I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.</p> <p>Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.</p> <p>The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."</p>	<p><b>Daniel V. McDonnell</b>          Printed Name and GABE/PG Number          3/28/12          Date          Signature and Stamp</p> 

**ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)**

PROPERTY INFORMATION	
TAX PARCEL ID	114 029
PROPERTY ADDRESS	500 Dairy Pak Road
CITY	Athens
STATE	GA
LATITUDE (decimal format)	33.979
LONGITUDE (decimal format)	83.388
PROPERTY OWNER(S)	Lotus International
PHONE #	
MAILING ADDRESS	5 Dairy Pak Road
CITY	Athens
STATE/ZIPCODE	GA/30605
PROPERTY SIZE (ACRES)	3.29
COUNTY	Clarke
ZIPCODE	30605

PROPERTY INFORMATION	
TAX PARCEL ID	112 002
PROPERTY ADDRESS	205 Dairy Pak Road
CITY	Athens
STATE	GA
LATITUDE (decimal format)	33.979
LONGITUDE (decimal format)	83.391
PROPERTY OWNER(S)	Georgia Power Company
PHONE #	
MAILING ADDRESS	241 Ralph McGill Blvd NE
CITY	Atlanta
STATE/ZIPCODE	GA/30308
PROPERTY SIZE (ACRES)	21.05
COUNTY	Clarke
ZIPCODE	30605

PROPERTY INFORMATION	
TAX PARCEL ID	112 001
PROPERTY ADDRESS	600 Dairy Pak Road
CITY	Athens
STATE	GA
LATITUDE (decimal format)	33.980
LONGITUDE (decimal format)	83.389
PROPERTY OWNER(S)	Blue Ridge Paper Products
PHONE #	
MAILING ADDRESS	PO Box 4000
CITY	Canton
STATE/ZIPCODE	NC/28716
PROPERTY SIZE (ACRES)	8.28
COUNTY	Clarke
ZIPCODE	30605

**ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)**

PROPERTY INFORMATION	
TAX PARCEL ID	114 026
PROPERTY ADDRESS	Dairy Pak Road
CITY	Athens
STATE	GA
LATITUDE (decimal format)	33.978
PROPERTY OWNER(S)	Porterfield Family Parnters LP
MAILING ADDRESS	1190 Mitchell Bridge Rd
CITY	Athens
PROPERTY SIZE (ACRES)	2.4
COUNTY	Clarke
ZIPCODE	30605
LONGITUDE (decimal format)	83.390
PROPERTY OWNER INFORMATION	
PHONE #	
STATE/ZIPCODE	GA/30606

PROPERTY INFORMATION	
TAX PARCEL ID	114 027
PROPERTY ADDRESS	290 Dairy Pak Road
CITY	Athens
STATE	GA
LATITUDE (decimal format)	33.978
PROPERTY OWNER(S)	Paul M Stanzi
MAILING ADDRESS	440 Westview Drive
CITY	Athens
PROPERTY SIZE (ACRES)	0.88
COUNTY	Clarke
ZIPCODE	30605
LONGITUDE (decimal format)	83.390
PROPERTY OWNER INFORMATION	
PHONE #	
STATE/ZIPCODE	GA/30606

PROPERTY INFORMATION	
TAX PARCEL ID	112 001A
PROPERTY ADDRESS	0 Dairy Pak Road
CITY	Athens
STATE	GA
LATITUDE (decimal format)	33.983
PROPERTY OWNER(S)	Charles S Olvey
MAILING ADDRESS	PO Box 80065
CITY	Athens
PROPERTY SIZE (ACRES)	16.13
COUNTY	Clarke
ZIPCODE	30605
LONGITUDE (decimal format)	83.389
PROPERTY OWNER INFORMATION	
PHONE #	
STATE/ZIPCODE	GA/30608

**ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)**

PROPERTY INFORMATION	
TAX PARCEL ID	161 029
PROPERTY ADDRESS	720 Dairy Pak Road
CITY	Athens
STATE	GA
LATITUDE (decimal format)	33.979
COUNTY	Clarke
ZIPCODE	30605
LONGITUDE (decimal format)	83.387
PROPERTY OWNER(S)	Athens - Clarke County
MAILING ADDRESS	PO Box 1868
CITY	Athens
PHONE #	
STATE/ZIPCODE	GA/30603

PROPERTY INFORMATION	
TAX PARCEL ID	
PROPERTY ADDRESS	
CITY	
STATE	
LATITUDE (decimal format)	
PROPERTY OWNER(S)	
MAILING ADDRESS	
CITY	
PHONE #	
STATE/ZIPCODE	

PROPERTY INFORMATION	
TAX PARCEL ID	
PROPERTY ADDRESS	
CITY	
STATE	
LATITUDE (decimal format)	
PROPERTY OWNER(S)	
MAILING ADDRESS	
CITY	
PHONE #	
STATE/ZIPCODE	



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HaleyAldrich.com



30 March 2012  
File No. 38111-006

*VIA OVERNIGHT DELIVERY*

Mr. David Brownlee  
Acting Program Manager  
Response & Remediation Program  
Environmental Protection Division  
Georgia Department of Natural Resources  
2 Martin Luther King Jr., Drive, SE,  
Suite 1462, East Tower  
Atlanta, Georgia 30334

Subject: Voluntary Remediation Program Application  
General Time Athens Plant  
HSI Site No. 10355  
File No. 38111-006

Dear Mr. Brownlee:

On behalf of Carpenter Technology Corporation, Haley and Aldrich is submitting this Application to the Georgia Environmental Protection Division requesting that the former General Times Athens Plant be enrolled in the Georgia Voluntary Remediation Program (VRP). A check for the \$5,000 application fee is enclosed.

We believe the VRP is an appropriate regulatory path toward closure for this Site. As detailed in the enclosed VRP remediation plan and conceptual site model and in prior HSRA submittals, the status of delineation is complete. There are no chemicals of concern remaining in soil above the revised Risk Reductions Standards and there is a limited suite of chemicals of concern in groundwater.

If you have any questions regarding this Application, please contact Sean McGowan at 610-334-2701 or Mark Miesfeldt at 864-214-8751.

Sincerely yours,  
HALEY & ALDRICH, INC.

A handwritten signature in blue ink that reads 'Mark Miesfeldt'.

Mark Miesfeldt  
Client Executive

A handwritten signature in blue ink that reads 'Daniel E. McDonnell'.

Daniel E. McDonnell  
Project Manager

Enclosures

c:

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## 1. INTRODUCTION

This Voluntary Remediation Program (VRP) Application for the former General Time Athens plant (the Site) is being submitted on behalf of Carpenter Technology Corporation (CTC). The Application includes a completed VRP Application Form and Checklist; a \$5,000.00 check for the application fee, a Preliminary Voluntary Remediation Plan and Preliminary Conceptual Site Model, and tax map and warranty deed information. A table of delineation standards and supporting summary text, charts, and figures are also attached.

As required by the VRP, the Preliminary Voluntary Remediation Plan and Preliminary Conceptual Site Model have been constructed using reasonably available current information, to the extent known, and with regard to:

- The Site's surface and subsurface setting;
- The known or suspected sources of contamination;
- How contamination might move within the environment;
- Potential human health and ecological receptors;
- Complete or incomplete exposure pathways that may exist at the Site; and
- A projected milestone schedule for investigation and remediation of the Site.

### 1.1 Background

The Site is located in an industrial park located at 100 Newtown Bridge Road in Athens, Georgia (Lat 33° 58' 48" N, Long 83° 23' 38" W). A Site Locus Map is included as Figure 1. The Site consists of an approximately 35-acre parcel of land improved with a building having a footprint of approximately 325,000 square feet. Additional structures include outbuildings constructed of corrugated metal with concrete slab bases and the security building at the entrance to the rear of the facility.

The topography of the Site slopes gently from northwest to southeast. The principal Site surface water drainage features are the North Oconee River and its tributaries. The North Oconee is approximately 2,200 feet east of the Site. Water supplies for the city of Athens are withdrawn from the North Oconee River at a location approximately 4,000 feet downstream of the Site.

In 1954 the Westclox Division of General Time built the facility on undeveloped, rural land and operated the facility until 1969 when the operation merged with a subsidiary of Talley Industries. From 1969 until 1988, the facility operated as a subsidiary of Talley Industries, which is a wholly owned subsidiary of CTC. In 1988, General Time became a separate manufacturing entity. General Time has ceased operation and the facility has been empty since 2000. General Time produced various types of clocks and stationary time pieces. Facility operations consisted of metal and plastic parts manufacturing, assembly, painting, parts cleaning, packaging, and shipping.

Surrounding properties in the industrial park include:

- North: ABB Westinghouse;

- East: Georgia Power Company and Champion International Dairy Pak. The North Oconee River is located approximately one half mile from the eastern property boundary;
- West: Newton Bridge Road; and
- South: Dairy Pak Road.

The area to the east (downgradient) beyond the Georgia Power Company and Champion Dairy Pak properties is undeveloped woodland.

## 1.2 Eligibility

The Site meets the eligibility requirements of Georgia VRP Code Section 12-8-105. The Site was listed by the Georgia Environmental Protection Division (EPD) on September 30, 2004 on the Hazardous Site Index as site no. 10355. The Site is not listed on the National Priority List, is not currently undergoing response activities required by the United States Environmental Protection Agency (EPA), and is not a permitted facility under RCRA. There are no outstanding liens pursuant to OCGA 12-8-96(e) or 12-13-12(b) against the property.

In addition, CTC, as the VRP applicant, meets the eligibility requirements of Georgia VRP Code Section 12-8-105. CTC owns the property and is not in violation of any order, judgment, statute, rule, or regulation subject to enforcement authority of the EPD Director.

## 1.3 Previous Investigations

In 1985, the EPD conducted a Resource Conservation Recovery Act (RCRA) inspection at the facility. As a result of the inspection, EPD requested that General Time characterize waste streams associated with the cistern located east of a loading dock in the rear of the facility (see Figure 2). To address the concerns of the EPD, the overflow ditch was removed from the cistern and the ditch was excavated between February 1986 and March 1987. In October 1998, the cistern was excavated, removed, and the underground piping leading from the scrap metal dock and the compressor room to the cistern was plugged.

In 1991, General Time retained the firm Water & Air Research to investigate groundwater quality at the Site. The results of groundwater sampling indicated the presence of trichloroethene (TCE) and other chlorinated substances in groundwater wells near the cistern and near the downgradient property boundary with Georgia Power (toward the east). Concentrations of TCE ranged from 23 to 10,000 micrograms per liter ( $\mu\text{g}/\text{L}$ ). In addition, TCE breakdown products, 1,1-dichloroethene (DCE), 1,2-DCE, and vinyl chloride, were detected in one or more samples. Soil samples were not collected during monitoring well installation activities. Subsequent groundwater sampling conducted by Dames & Moore from two monitoring wells confirmed the presence of TCE at concentrations ranging from 1,700  $\mu\text{g}/\text{L}$  to 8,000  $\mu\text{g}/\text{L}$ .

In March 1992, a supply line from a tanker unloading TCE to a storage tank became uncoupled and discharged an estimated 500 to 600 gallons of TCE to the ground surface (Figure 2). A dike and absorbent material were used to contain the spill. General Time notified the USEPA and EPD of the incident. Dames & Moore collected soil samples to delineate the extent of soil impacted with TCE. The impacted soil encompassed an area of approximately 10,200 square feet to a depth of 2 to 9 feet below grade (Figure 2). In April 1992, 3,000 tons of soil were excavated and transported off-site for disposal. Fifty-four post-excavation soil samples were collected by Dames & Moore. The results of

the soil sampling indicated that the TCE concentrations in the remaining soil were below the EPD soil cleanup criterion of 20 micrograms per kilogram ( $\mu\text{g}/\text{Kg}$ ) at all but seven locations. No further excavation was conducted and the excavation was backfilled with soil imported from an off-site source. Dames & Moore also sampled groundwater from the monitoring wells located along the property boundary with the Georgia Power Company and TCE was found to be present at concentrations ranging from 240 to 8,100  $\mu\text{g}/\text{L}$ . Degradation/breakdown products were also present in these wells.

From 1995 to 1997, General Time retained Law Environmental (Law) to conduct additional soil and groundwater sampling. These investigations further characterized the extent of TCE and breakdown products in the soil and groundwater.

In 1997, ARCADIS was contracted by General Time to complete site assessment activities and prepare a Corrective Action Plan (CAP) and a Compliance Status Report (CSR). A hydrogeologic assessment was conducted including geophysical testing, geologic survey, evaluation of fracture density and attitude, characterization of biogeochemical conditions in groundwater, fate and transport evaluation, and risk assessment. An evaluation of remedial alternatives was also completed. Thirty five additional soil borings were completed near potential on-site source areas for horizontal and vertical delineation evaluation. In addition, seven off-site monitoring wells were installed.

Vacuum Enhanced Recovery (VER) wells were installed and a pilot test was conducted circa 1998 to determine the effective zone of influence of the VER wells and applicable vacuum and flow rates for plume containment. RW-2 was re-tested to confirm the well yield in March 2009.

The results of the Site assessment activities were presented in the December 31, 2002 *Revised Compliance Status Report*, prepared by ARCADIS. The results of the sampling showed that remedial actions conducted in the spill area/cistern in 1992 were successful in removing impacted soils as VOCs were not detected in this area. Chlorinated solvents were detected in soils underlying the building at levels below the applicable Risk Reduction Standards (RRS). Groundwater sampling at the Site identified TCE and breakdown products, including cis-1,2-DCE and vinyl chloride, in the saprolite and weathered rock zones. Higher concentrations were noted on-site in monitoring wells located downgradient of the building and the cooling tower.

On June 15, 2009 Roux Associates, Inc. submitted a second Corrective Action Plan (CAP) for the Site in accordance with the requirements of the Hazardous Site Response Act (HSRA), OCGA 391-3-19-.06. This CAP also addressed comments provided by the EPD via letter dated January 15, 2009 and Carpenter's response letter to the EPD dated May 7, 2009. The remediation proposed in the CAP consisted of a groundwater extraction system utilizing two recovery wells in the source area, treatment using activated carbon, and discharge to the sanitary sewer system with monitored natural attenuation of the downgradient plume. The report also recommended the installation of a third recovery well and evaluation of additional remedial technologies for treatment of Site groundwater.

In response to EPD's March 11, 2010 letter, two additional wells (MW16I and MW-16D) were installed in November 2010 inside the building in the vicinity of the former degreaser.

The March 2010 EPD letter also required semiannual reporting and a soil sample from a location southwest of CR-4. The soil sample was collected on November 16, 2010 from 10 feet at soil boring "SB-Carpenter" using direct push technology. Routine sampling began on a quarterly sampling schedule in 2010 with samples collected in March, June, September, and November. Semi-annual reports were prepared and submitted on August 2, 2010 and on March 10, 2011. The March 2011

included the sample results from the MW-16 well pair and a recommendation for additional groundwater investigation inside the building.

Carpenter retained Haley & Aldrich to conduct the additional field activities, review the existing Site information, and assess the proposed Site remediation approach as well as any in-situ remedial approaches that could remediate the groundwater in a more effective manner. These field activities were implemented in July and August 2011. The field activities included collection of soil and groundwater samples from beneath the former manufacturing building to support groundwater delineation and treatability testing to evaluate In-Situ Bioremediation, collection of a compliance soil sample located south of the building to support completion of horizontal soil delineation, and installation of two additional recovery wells along the downgradient property boundary as a groundwater migration control measure, consistent with the approved CAP.

Field investigation, recovery well installation, and groundwater sampling activities and findings from July and August 2011 were summarized in a report that was submitted to the EPD on September 22, 2011. Since the submittal of the September 2011 Semi-annual report, quarterly groundwater monitoring has been continuing, conducted during December 2011 and February 2012. In addition, the in-situ biotreatability study has been completed. The results of the biotreatability study are included in the March 2012 Semi-Annual Progress Report.

#### **1.4 Constituents of Concern**

Historically, both soil and groundwater at the Site exhibited Contaminants of Concern (COCs) above background concentrations. However, soil with COCs above HSRA RRS were excavated, as documented in previous submittals. As stated in the 2002 Revised CSR, analyses of soil samples collected in proximity to the TCE release areas demonstrated that the soils are in compliance with the RRS; therefore, *no further evaluation with respect to soils at the Site is needed.*

Groundwater sampling has shown that the COCs are primarily TCE and its breakdown products. Table I is a list of regulated substances in groundwater with Site delineation concentrations. The concentrations for TCE and cis-1,2-DCE in Table I were re-calculated based on comments provided by EPD in their letter dated November 17, 2011.

## **2. SITE CURRENT CONDITIONS**

This section of the report summarizes the geologic conditions and groundwater flow characteristics that affect the environmental fate and transport of VOC's in groundwater.

### **2.1 Geology, Hydrogeology, and Surface Water**

The following narrative provides a brief summary of the pertinent geologic features, the occurrence and migration of groundwater, and the surface water drainage features at the Site.

#### **2.1.1 Geology**

The site is located in the Piedmont Physiographic province where the bedrock is predominantly characterized by gneissic and schistose rock that has undergone intense metamorphism in the form of folding and faulting.

The site topographic map (Figure 1) was used to evaluate the structural fabric of the underlying bedrock and interpret the orientation of potential preferential pathways. It is generally understood that streams or river systems follow the path of least resistance and in the case of the southern Appalachians, the path of least resistance usually coincides with a fault or fracture zone or overlies an area where the underlying rock is more easily weathered. In the vicinity of the Site, the structural fabric of the underlying bedrock is best represented by the trellis pattern of the North Oconee River. The north-south orientation of the stream valley represents the primary structural fabric, with the east-west stream segments and tributaries representing the secondary, subordinate trend (Figure 1). The surface water tributaries located to the north and to the south of the Site follow the subordinate east-west trend.

To better understand geologic controls as well as groundwater flow, two cross sections were constructed across the Site. One oriented in a north-south direction parallel to the primary structural fabric (Hydrogeologic Cross Section A-A', Figure 3) and a second cross section oriented parallel with the subordinate east-west structural trend (Cross Section B-B', Figure 4). As shown on cross section B-B' between the Site and the North Oconee River, the bedrock slopes gently to the east from the upland areas beneath the Site toward the North Oconee River. A bedrock low, or trough, likely oriented in a north-south direction is present beneath the Site near the downgradient property. This orientation is consistent with the orientation of the primary structural fabric.

In the vicinity of the Site, saprolite has been observed from near the ground surface to depths ranging from 18 feet below ground surface (bgs) to greater than 90 feet bgs. Previous characterizations of the site geology subdivide the saprolite further into the upper zone and the partially weathered zone where the upper zone predominately consists of silts and clays while the partially weathered zone is coarser grained and has remnant foliations from the parent rock. Bedrock has been encountered at its shallowest depth beneath the Site's former manufacturing building (between 18 feet bgs and 30 feet bgs, and at depths greater than 150 feet bgs in the area where the bedrock trough was encountered



Bedrock at this Site has also been subdivided into upper and lower bedrock zones where the upper bedrock zone is characterized by jointing and exfoliation fracturing and the lower bedrock is characterized as being massive without jointing or fracturing.

### 2.1.2 Hydrogeology

Groundwater occurs within the saprolite and in bedrock beneath the Site. The Site has been previously characterized to be underlain by five hydrogeologic zones including; alluvial sediments encountered adjacent to the North Oconee River (approximately 15 feet thick where present east of the Site), an upper saprolite zone, a partially weathered rock zone, an upper bedrock zone, and a lower bedrock zone. Each of these zones was characterized based on their groundwater flow properties; however, the upper four zones are hydraulically connected and make up one continuous, unconfined aquifer.

Hydraulic properties of the hydrogeologic zones were previously evaluated through conducting slug tests. The results of the slug tests are provided in the table below.

**SUMMARY OF ESTIMATED HYDRAULIC CONDUCTIVITY**

Well ID	Hydrogeologic Zone	Estimated Hydraulic Conductivity
MW-11S	Alluvium	8.5 ft/day
MW-2S	Upper Saprolite	2.38 ft/day
MW-2I	Partially Weathered Rock	3.87 ft/day
MW-7I	Partially Weathered Rock	6.90 ft/day
MW-9I	Partially Weathered Rock	6.92 ft/day and 3.18 ft/day
MW-2D	Upper Bedrock	0.56 ft/day
MW-9D	Lower Bedrock	0.006 ft/day

1 - These values were published in the December 2002 CSR prepared by ARCADIS

2 - An average of the partially weathered rock values (5.2 ft/day) was used for calculations of the groundwater velocity.

### 2.1.3 Surface Water

The primary surface water drainage feature is the North Oconee River which is located approximately 2,200 feet east of the Site. The river flows generally north-south at an average annual flow of 216 cubic feet per second (cfs) as stated in previous reports and appears to be the primary groundwater discharge area downgradient of the Site. The North Oconee River is designated as a drinking water source, and the city of Athens withdrawal point is approximately 4,000 feet downstream of the Site.

Other surface water drainage features in the vicinity of the Site include unnamed tributaries of the North Oconee River located north and south of the Site. It is not clear if these tributaries are groundwater discharge areas or if they are primarily fed by surface runoff during rain events. Surface water samples are collected from these unnamed tributaries on an annual basis. The most recent sampling was conducted during December 2011. The results of this sampling are provided in Table II. The December 2011 sampling results, along with historical data,

show that low levels TCE have been detected intermittently in the northern tributary. The levels detected are below the Georgia In-Stream Water Quality Criteria and the source of the TCE is unknown.

## **2.2 Constituents of Concern and Primary Source Areas**

As discussed in Section 1, the primary COCs at the Site are TCE and associated breakdown compounds including cis-1,2-DCE and vinyl chloride. There are several suspected on-site source areas that have been identified at the site including the former cistern, a TCE spill near the TCE ASTs, a former degreaser, a former centrifuge area, and a cooling tower.

Both groundwater and soil have been impacted by the TCE spill and releases around the former cistern area. These areas were excavated and, as no additional soil impacts have been identified, the primary sources to groundwater have been removed.

The highest concentrations of VOCs in groundwater have been identified in shallow well MW-16I, located beneath the former manufacturing building, and intermediate well MW-2I, located immediately downgradient of the TCE spill area and former cistern. Elevated concentrations of TCE have also been identified in recovery wells RW-1 and RW-2, located in the vicinity of the former cooling tower.

## **2.3 Current Conditions**

Groundwater samples were collected between December 19 and 27, 2011 and February 20 and 21, 2012 and analyzed for VOCs and monitored natural attenuation parameters. Field parameters were also measured in the samples collected. In addition, water levels were measured in all available wells.

### **2.3.1 Groundwater Flow**

The depth to water was measured in the available wells both on- and off-site during each of the sampling events conducted in December 2011 and February 2012. The water elevation was subsequently calculated using the surveyed well casing elevations and the measured depth to water. These data are summarized on Table III.

The December 2011 water elevations from both the shallow and intermediate wells were used to construct the potentiometric surface shown on Figure 5. This surface shows the groundwater flow direction within the upper portion of the unconfined aquifer is east toward the North Oconee River. This is consistent with previous interpretations. The average horizontal hydraulic gradient is approximately 0.008 ft/day. This horizontal groundwater gradient is also consistent with previous interpretations. The estimated groundwater flow velocity, utilizing the average hydraulic conductivity of the intermediate zone of 5.2 ft/day and an effective porosity of 25%, is approximately 60 ft/year.

Vertical groundwater gradients were calculated, where possible, using the December 2011 water elevation data. Consistent with historical calculations, there appears to be a low magnitude downward flow potential in the upland area of the Site, in the vicinity of the MW-2, MW-9, and MW-16 well pairs. In the lowland area in close proximity to the North Oconee River, there appears to be a low magnitude upward flow potential (well pair MW-11). The calculated vertical gradients are provided on the table below.

## SUMMARY OF VERTICAL GROUNDWATER GRADIENTS

Well Pair	Estimated Vertical Gradient
MW-2S & MW-2I	-0.018 ft/ft
MW-2I & MW-2D	-0.031 ft/ft
MW-9I & MW-9D	-0.039 ft/ft
MW-16I & MW-16D	-0.0023 ft/ft
MW-11S & MW-11I	0.0009 ft/ft

1-Negative values indicate downward groundwater flow potential.

### 2.3.2 Groundwater Quality

Consistent with the monitoring program outlined in the 2009 CAP, groundwater samples were collected from most of the available on- and off-site wells during the December 2011 annual sampling event and from a subset of the existing monitoring wells during the February 2012 quarterly sampling event. The analytical results from these two sampling events are summarized on Table II and the laboratory data sheets are provided in Appendix C. Appendix C also contains a historical summary of VOCs detected in groundwater data in tabular form. The distribution of TCE in the groundwater is shown in Hydrogeologic Cross Sections A-A' and B-B' (Figure 3 and Figure 4, respectively). The aerial distribution of TCE in the shallow and intermediate groundwater, based on the December 2011 sampling event, along with the concentrations of other related daughter products, are posted on Figure 6 and Figure 7, respectively. Constituents detected in the groundwater samples collected from the deep bedrock monitoring wells, if any, are shown in Table II.

The following is a brief summary of the relevant findings of the December 2011 and February 2012 groundwater sampling results from the monitoring and recovery wells:

#### 2.3.2.1 On-Site Groundwater Monitoring and Recovery Well Results

- Consistent with historic sampling results, the highest concentrations of VOCs, primarily TCE and cis-1,2-DCE continue to be detected in the area where shallow well MW-16I and intermediate MW-16D are located beneath the former manufacturing building.
- TCE concentrations of 17,800  $\mu\text{g/L}$  and 19,700  $\mu\text{g/L}$  also continue to be higher in the shallow well, MW-16I, by several orders of magnitude as compared to the intermediate well MW-16D where TCE was detected at concentrations of 114  $\mu\text{g/L}$  and 95.9  $\mu\text{g/L}$  (December 2011 and February 2012, respectively).
- In addition to TCE and its degradation products, several other VOCs have been detected in the samples collected from shallow well MW-16I at low concentrations. The suite of compounds detected in MW-16I correlates with the suite of compounds detected in MW-2I and RW-3, suggesting that the VOCs detected in these wells originated from the same source. Of these constituents, 5 were detected at concentrations above the RRS during the December 2011 groundwater sampling event (Table II).
- Consistent with previous sampling results, TCE and degradation products continue to be detected in the samples collected from the shallow and intermediate wells MW-2S

and MW-2I, located immediately downgradient of the former cistern and TCE spill area. The absence of TCE in MW-2S provides evidence that the soil removal action following the TCE spill effectively eliminated the spill area and the cistern as continuing sources.

- TCE and degradation products were detected in the samples collected from recovery wells RW-1 and RW-2, located in the vicinity of the former cooling tower at concentrations above the RRS. TCE was detected at concentrations of 987  $\mu\text{g/L}$  and 2390  $\mu\text{g/L}$  in the samples collected from RW-1, and at concentrations of 39.8 and 38.9  $\mu\text{g/L}$  in the samples collected from RW-2 (December 2011 and February 2012, respectively). While the presence of TCE and degradation products is consistent with other locations, the absence of the additional VOCs at these locations suggests that the TCE identified at this location was released from a separate source.
- No Site COCs were detected in upgradient wells MW-1S and MW-1I.
- TCE was the only compound detected in the samples collected from recovery well RW-4 at concentrations of 11.8  $\mu\text{g/L}$  and 7.6  $\mu\text{g/L}$  in December 2011 and February 2012, respectively.

#### 2.3.2.2 Off-Site Groundwater Monitoring Results

- Consistent with historic sampling results, concentrations of TCE and cis-1,2-DCE have been detected in several off-site wells above the RRS (Table II).
- TCE was detected in the samples collected from wells MW-6I and MW-9I, located south-southeast of the Site, at concentrations of 483  $\mu\text{g/L}$  and 1,110  $\mu\text{g/L}$  respectively during December 2011. MW-6I was not included in the sampling program conducted during February 2012, but TCE was detected in the sample collected from MW-9I at a concentration of 1,070  $\mu\text{g/L}$  during the February sampling event.
- TCE was detected in the samples collected from wells MW-11S and MW-11I, located north-northeast of the Site, at concentration above the RRS. TCE was detected in the samples collected from shallow well MW-11S 356  $\mu\text{g/L}$  and 183  $\mu\text{g/L}$  during December 2011 and February 2011, respectively, while higher concentrations of 766  $\mu\text{g/L}$  and 540  $\mu\text{g/L}$  were detected in the intermediate well MW-11I during this same sampling periods. However, the spatial distribution of TCE indicates that VOCs detected in the MW-11 well cluster are not contiguous with the plume originating from the General Time property. TCE was detected at a concentration of 2.3  $\mu\text{g/L}$  and 1.0  $\mu\text{g/L}$  in MW-7I, located between MW-5I and the MW-11 well cluster, during December 2011 and February 2012. These well are located along the flow path from the property boundary of General Time.

### **3. PRELIMINARY CONCEPTUAL SITE MODEL**

A Conceptual Site Model (CSM) is a representation of the environmental system including the physical, chemical, and biological processes that affect the source, transport and fate of contaminants through the subsurface to potential environmental receptors via their most likely exposure pathways. The CSM presented in this application was constructed primarily utilizing current site data that is pertinent to the near-term decision-making process. A CSM uses the available information and draws upon the appropriate expertise to distill what is already known about the site into an effective communication and planning tool. A robust CSM can serve many roles during the life cycle of a corrective action project. These include educating stakeholders, identifying required technical expertise, screening applicable analytical or characterization technologies, refining project strategies, identifying potential regulatory drivers, selecting points of compliance, identifying data gaps, deriving risk or dose-based cleanup criteria, supporting cost estimation needs, evaluating and implementing remedial alternatives, guiding sampling efforts, visualizing contamination distributions, and supporting site closeout.

#### **3.1 Hydrogeologic Framework**

With respect to the General Time Site, investigation activities began in 1985. Since that time, a considerable amount of information has been gathered describing the site geology, the occurrence and movement of groundwater, sources of chemical releases, and the nature and extent of site-related constituents of concern (COCs). Site geology and hydrogeology were described in Section 2. This information has been relied upon to develop the hydrogeologic framework as part of the CSM for the Site to communicate those subsurface conditions (e.g. bedrock trough) that can control groundwater flow and contaminant transport across the Site. With confirmation through subsequent data gathering, the degree to which these controlling geologic conditions can be exploited to optimize site cleanup and accelerate closure will be evaluated. Additional details regarding this proposed approach are discussed later in this document.

#### **3.2 Source and Release Mechanisms**

Potential sources of TCE that have been identified include a former degreaser, former centrifuge, TCE AST's, TCE spill area, cistern, and cooling tower. The TCE spill area and former cistern have been remediated and the data from monitoring well MW-2S continues to demonstrate the effectiveness of the remedy. This leaves the operations areas within the building and the cooling tower as the only remaining source areas. The distribution of TCE shown on cross section A-A' and B-B' combined with the observed differences in the suite of chemical detected in monitoring wells MW-16I, MW-2I, and RW-3 versus RW-1 and RW-2 is consistent with separate releases from the operational areas and the cooling tower.

#### **3.3 Chemical Fate and Transport**

Within the aqueous phase, physical, chemical, and biological mechanisms combine to degrade TCE and reduce its mobility. The biological processes are often responsible for the majority of the mass reduction over time. Microbial-mediated degradation of TCE occurs under both aerobic and anaerobic conditions; however, it is generally believed that the predominant degradation pathway occurs under anaerobic and chemically reducing conditions. Site specific geochemical data indicate that groundwater conditions are conducive to biological degradation. Analytical results show the presence of all the major daughter products from the degradation of TCE, including cis-1,2-DCE, trans-1,2-DCE and VC,

as well as methane. At many sites dechlorination can “stall” at cis-1,2-DCE, indicating the lack of the requisite microbes in groundwater; however, as discussed in the bench-scale biotreatability test (Appendix D), this is not the case at this Site.

The mobility of TCE is also reduced by the chemical process of retardation - the relationship of the linear velocity of the ground water to the linear velocity of the contaminant. Retardation influences the leading edge of a TCE plume through sorption of the contaminant onto the aquifer matrix material. The fraction of organic content within the matrix is the primary measure of retardation potential. In general, the higher the clay content, the greater the degree of retardation. In addition, the physical processes of diffusion and dispersion serve to dilute TCE concentrations in groundwater.

For example, one would predict that TCE released from the operations area and from the cooling tower area during manufacturing would diffuse into the fine grained soils within the unsaturated soil column. These TCE residuals would slowly leach into the groundwater and the resulting TCE plume would elongate to the east in the direction of flow. The highest concentrations of TCE would reside in the upper portion of the aquifer, near the source areas and decline in the downgradient direction due to the physical, chemical, and biological attenuation processes.

This is the case at the General Time Site. The highest concentrations of TCE are present in the upper portion of the aquifer in the vicinity of the on-site sources (MW-16I and RW-1). Dissolved phase VOCs have migrated to the east as predicted. In the downgradient direction, the highest concentrations of VOCs are found in deeper intervals within the bedrock trough, consistent with the observed downward groundwater flow potential. Lower concentrations of TCE have migrated out of the trough to the east, consistent with the direction of groundwater flow. While VOC concentrations within the plume have varied, the declining concentration trends observed at well MW-7I, at the downgradient edge of the plume, suggests that the plume is stable. In addition, the analytical data does not suggest that the TCE plume is expanding in a north-south direction along the strike of the trough, but is also remaining stable.

### **3.4 Potential Receptors and Exposure Pathways**

The land use at the Site and surrounding area is classified as industrial and commercial. The only potential human receptors are onsite personnel, construction workers, and remediation workers; however the site is currently inactive and only occupied by occasional foot traffic. Possible exposure pathways are summarized in Figure 8 and addressed below.

#### **3.4.1 Environmental Media**

- There are no VOCs remaining in soil above their respective RRSs, therefore the soil pathway is not considered a potential concern.
- Soil gas is a medium of potential concern for possible exposures to VOCs in indoor air.
- VOCs are present in groundwater above RRSs. Vertically, VOC contamination was determined to be limited to the groundwater in the saprolite and partially weathered bedrock.
- With the exception of the tributaries located northeast and southeast of the General Time property, there is no surface water on site. VOC's have been detected intermittently in the tributary located to the northeast of the Site. The concentrations detected are below the Type 1 RRS for groundwater and are below the Georgia In

Stream Ambient Water Quality Criteria. The North Oconee River is located approximately 2,200 feet to the east and VOC's have not been detected in the North Oconee River.

### **3.4.2 Exposure Pathways and Potential Human Receptors**

- There are no potential groundwater receptors. The City of Athens provides potable and industrial water to General Time and the surrounding facilities through public utility lines. Water supplies for the City of Athens are withdrawn from the North Oconee River at a location approximately 4,000 feet downstream. Down-gradient non-public wells have not been identified. Therefore, the risk posed by ingestion of contaminated groundwater is considered negligible.
- The water table in the surficial aquifer is approximately 15- to 25-feet bgs at the Site. There is a limited possibility that construction workers could be exposed for a very limited time to VOCs in groundwater through incidental ingestion or dermal contact during excavation work.
- Risk via inhalation, either during utility or indoor work, as a result of vapor intrusion, is recognized as a potential concern for VOCs. While vapor migration into indoor air is recognized as a potential risk, the existing manufacturing building where the risk is considered highest is only occupied by occasional foot traffic thereby minimizing the near-term risk posed by this potential exposure pathway. In addition, as the plume migrates beneath downgradient properties, it appears that the highest concentrations are at the top of bedrock and that the plume is overlain by un-impacted groundwater. Assuming this to be the case, the risk to downgradient receptors is negligible.
- While there is the possibility for human contact with surface water downgradient of the property, the VOC's intermittently in the northern tributary do not pose a risk.

### **3.4.3 Exposure Pathways and Potential Ecological Receptors**

- Habitat conditions at the Site are, in general, not suitable for the threatened and endangered species for Clarke County identified by the USFWS. Based on visual assessment of the tributaries, the quality of the aquatic habitat is poor. Because the VOC-impacted groundwater has not been detected in the river, the potential for exposure to contaminants in groundwater, surface water, and sediments is expected to be minimal.
- No complete exposure pathway from site groundwater to surface water occurs at the Site because the VOCs attenuate prior to reaching the river, approximately 2,200 feet down-gradient from the Site. Therefore, potential surface water receptors will not be impacted by the VOCs detected in groundwater.

#### 4. PRELIMINARY REMEDIAL ACTION PLAN

Carpenter submitted a Corrective Action Plan (CAP) to EPD in June 2009. This CAP, which was subsequently approved, included the installation of an additional groundwater recovery well to supplement the two recovery wells that were previously installed, and construction of a groundwater treatment system. The CAP called for treated groundwater to be discharged to the Athens-Clarke County Public Utilities Department. Consistent with the approved CAP, Carpenter submitted the draft permit application to the Public Utilities Department on June 18, 2010. Carpenter received a draft permit on December 23, 2010. The final permit was issued on September 1, 2011. Since that time, Carpenter has conducted the following activities:

- Installed the groundwater recovery well proposed in the CAP plus one additional recovery well to improve coverage at the downgradient property line;
- Conducted an investigation beneath the former manufacturing building to evaluate potential sources of the TCE detected in well pair MW-16I and MW-16D (*August 20011 Semi-Annual Progress Report*; Haley & Aldrich, September 2011);
- Conducted baseline soil and groundwater sampling in support of a bench-scale bio-treatability test and completed the subsequent six month study;
- Developed engineering design drawings for the groundwater treatment system and prepared bid documents;
- Conducted a pre-bid site walk with prospective contractors;
- Solicited and evaluated contractor bids;
- Conducted two rounds of quarterly groundwater monitoring; and
- Completed the biotreatability study.

##### 4.1 Proposed Approach

Haley & Aldrich has completed the bench-scale biotreatability test and has concluded that Enhanced In-Situ Bioremediation (EISB), along with in-situ chemical oxidation, chemical reduction, and pumping or recirculation, are viable remedial technologies that could be employed alone or in combination to reduce site COC's to levels below RRS's. Chemical reduction processes include use of granular zero-valent iron (ZVI), which may also promote intrinsic attenuation processes.

Accelerated treatment may also be obtained through the judicious use of groundwater extraction and reinjection, or in-situ recirculation systems to create a forced hydraulic gradient and increase groundwater flow rate. The use of a forced hydraulic gradient results in enhanced mixing and distribution of soluble remediation amendments, such as chemical oxidants or biological carbon substrate. Within the focused treatment area, an in-situ recirculation system can be constructed so that groundwater never has to be pumped aboveground, promoting control of the dosage and retention time of treatment amendments.

EISB and ISCO have the potential to greatly accelerate the General Time corrective action project beyond what can be achieved through pumping alone. It is possible that pumping, or recirculation, can be integrated into the design to better distribute amendments and accelerate closure. These approaches could utilize the natural bedrock trough to create a treatment zone that serves to both reduce mass and



minimize migration. Corrective action downgradient would also rely upon the natural physical, chemical, and biological attenuation process that will occur without human intervention.

#### **4.2 Proposed Implementation Schedule**

Haley & Aldrich has constructed a proposed implementation schedule consistent with the milestones listed in the VRP Guidance. The proposed implementation schedule is provided as Figure 9. As shown on the milestone schedule, CTC believes that the soil and groundwater delineation is complete and is prepared to move forward with remediation. CTC proposes to collect groundwater samples on a semiannual basis and will report these results in the Semiannual Progress Reports.

Prior to full scale remediation, a field scale pilot study will be conducted to ensure that the chosen remediation technology(s) will be effective under field conditions. Throughout the process, assumptions will be validated and the approach will be refined. This will allow for the development of the most effective remedial effort.

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**TABLE I**  
 DELINEATION STANDARDS  
 CARPENTER - GENERAL TIME FACILITY  
 ATHENS, GEORGIA

<b>MEDIA</b>	<b>PARAMETER</b>	<b>DELINEATION STANDARD (ug/L)</b>	<b>COMMENT</b>
Groundwater	Trichlorethene	5	HSRA Type 1 RRS
	cis-1,2-Dichloroethene	200	HSRA Type 4 RRS
	trans-1,2-Dichloroethene	200	HSRA Type 4 RRS
	1,1-Dichloroethene	7	HSRA Type 1 RRS
	1,1,2-Trichloroethane	5	HSRA Type 1 RRS
	Methylene Chloride	5	HSRA Type 1 RRS
	Vinyl Chloride	2	HSRA Type 1 RRS

**TABLE II**  
 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS (DECEMBER 2011 AND FEBRUARY 2012)  
 CARPENTER - GENERAL TIME FACILITY  
 ATHENS, GEORGIA

Location Name	MW-11	MW-1S	MW-2D (DUP)	MW-2D	MW-2D	MW-2I	MW-2I	MW-2S	MW-2S	MW-3I	MW-4I	MW-5I	MW-5I	MW-6I	MW-7I	MW-7I		
Sample Date	12/21/2011	12/21/2011	12/22/2011	12/22/2011	2/21/2012	12/21/2011	2/20/2012	12/21/2011	2/20/2012	12/27/2011	12/22/2011	12/27/2011	2/21/2012	12/19/2011	12/27/2011	2/21/2012		
<b>Field Parameters</b>																		
Conductivity, Field (mS/cm)	<b>0.053</b>	<b>0.036</b>	-	<b>0.205</b>	<b>0.167</b>	<b>0.064</b>	<b>0.068</b>		<b>0.06</b>	<b>0.84</b>	<b>0.092</b>	<b>0.088</b>	<b>0.101</b>	<b>0.098</b>		<b>0.74</b>	<b>0.122</b>	<b>0.124</b>
Dissolved Oxygen, Field (mg/L)	<b>8.64</b>	<b>8.32</b>	-	<b>1.08</b>	<b>1.1</b>	<b>2.54</b>		<b>1.5</b>	<b>6.86</b>	<b>4</b>	<b>3.34</b>	<b>2.11</b>	<b>5.5</b>	<b>1.79</b>	<b>1.33</b>	<b>0.35</b>	<b>0.12</b>	
ORP, Field (mV)	<b>142.9</b>	<b>149</b>	-	<b>-30.1</b>	<b>3.8</b>	<b>151.9</b>		<b>61.4</b>	<b>156</b>	<b>52.1</b>	<b>78.6</b>	<b>19.5</b>	<b>49.1</b>	<b>73.2</b>		<b>209.1</b>	<b>45.9</b>	<b>21</b>
pH, Field (NTU)	<b>6.25</b>	<b>5.97</b>	-	<b>7.89</b>	<b>8.6</b>	<b>5.89</b>		<b>5.87</b>	<b>5.58</b>	<b>5.7</b>	<b>6.27</b>	<b>6.21</b>	<b>6.53</b>	<b>6.39</b>	<b>5.64</b>		<b>6.2</b>	<b>6.19</b>
Temperature, Field (Deg C)	<b>18</b>	<b>17.4</b>	-	<b>18.8</b>	<b>13.6</b>	<b>18.9</b>		<b>17</b>	<b>19</b>	<b>16.2</b>	<b>18.5</b>	<b>17.4</b>	<b>20.5</b>	<b>21.7</b>	<b>19.3</b>	<b>18.8</b>	<b>19.3</b>	
Turbidity, Field (NTU)	<b>1.4</b>	<b>5.1</b>	-	<b>3.4</b>	<b>2.4</b>	<b>5.1</b>		<b>3</b>	<b>2.2</b>	<b>4</b>	<b>4.8</b>	<b>6.3</b>	<b>5.1</b>	<b>2.3</b>	<b>7.9</b>		<b>5</b>	<b>0.9</b>
<b>General Chemistry (mg/L)</b>																		
Alkalinity, Total (as CaCO3)	<b>23.8</b>	<b>16.2</b>	<b>75.6</b>	<b>77.7</b>	<b>78.4</b>	<b>29.2</b>	<b>28.6</b>	<b>19.5</b>	<b>26.5</b>								<b>57.8</b>	<b>46.4</b>
Nitrate	<b>0.66</b>	<b>0.56</b>	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	<b>1.5</b>	<b>0.44</b>	<b>0.43</b>	<b>1.6</b>		<b>41</b>	<b>44.1</b>	<b>43.2</b>			
Nitrite (as N)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1		< 0.2	< 0.2
Nitrite/Nitrate Nitrogen	<b>0.66</b>	<b>0.56</b>	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	<b>1.5</b>	<b>0.44</b>	<b>0.43</b>	<b>1.6</b>		<b>0.67</b>	<b>0.84</b>	<b>0.84</b>		< 0.2	< 0.2
Sulfate	< 5	< 5	<b>23.8</b>	<b>24.9</b>	<b>22.1</b>			< 5	<b>7.9</b>	<b>12</b>		< 5	< 5	< 5	< 5		< 5	< 5
Sulfide	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1
Total Organic Carbon (TOC)	< 1	< 1	<b>1.6</b>	<b>1.7</b>	<b>1.4</b>	<b>1.8</b>	<b>2.2</b>	<b>3.7</b>	<b>2.7</b>				<b>13.6</b>	<b>1.5</b>	<b>1.6</b>		<b>2.4</b>	<b>18.8</b>
<b>Dissolved Gases(ug/L)</b>																		
Methane	< 10	< 10	< 10	< 10	< 6.6	< 10	< 6.6	<b>11.2</b>	< 6.6		< 10	< 10	< 6.6		<b>206</b>	<b>135</b>		
<b>Volatile Organic Compounds (ug/L)</b>																		
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	-	<b>2.7</b>	-	< 1	-	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
1,1-Dichloroethane	< 1	< 1	< 1	< 1	-	<b>2.1</b>	-	< 1	-	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
1,1-Dichloroethene	< 1	< 1	< 1	< 1	-	<b>11.9</b>	-	< 1	-	< 1	< 1	< 1	-	<b>1.6</b>	< 1	-	< 1	-
Benzene	< 1	< 1	< 1	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
Chloroform (Trichloromethane)	< 1	< 1	< 1	< 1	-	<b>4</b>	-	< 1	-	< 1	< 1	< 1	-	< 1	< 1	-	<b>1.7</b>	< 1
cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	<b>924</b>	<b>813</b>	<b>1</b>	< 1	< 1	< 1	<b>2.8</b>	<b>2.2</b>	<b>70.6</b>	<b>2.5</b>	<b>2.3</b>		
m,p-Xylenes	< 2	< 2	< 2	< 2	-	< 2	-	< 2	-	< 2	< 2	< 2	-	< 2	< 2	-	< 2	-
Methylene chloride	< 2	< 2	< 2	< 2	-	< 2	-	< 2	-	< 2	< 2	< 2	-	< 2	< 2	-	< 2	-
Naphthalene	< 1	< 1	< 1	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
o-Xylene	< 1	< 1	< 1	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
Tetrachloroethene	< 1	< 1	< 1	< 1	< 1	<b>1.2</b>	< 100	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	<b>24.1</b>	< 100	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichloroethene	< 1	< 1	<b>1.1</b>	< 1	< 1	<b>11500</b>	<b>9430</b>	<b>2.9</b>	< 1	< 1	<b>1.9</b>	<b>96.1</b>	< 1	<b>438</b>	<b>2.3</b>	<b>1</b>		
Trichlorofluoromethane (CFC-11)	< 1	< 1	< 1	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	< 1	< 1	-	< 1	-
Vinyl chloride	< 1	< 1	< 1	< 1	< 1	<b>1.3</b>	< 100	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

**Notes and Abbreviations:**  
 1. Results shown in **bold** were detected.  
 2. < - Not detected above the laboratory detection limit.  
 3. Only detected compounds are shown in table.

**TABLE II**  
 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS (DECEMBER 2011 AND FEBRUARY 2012)  
 CARPENTER - GENERAL TIME FACILITY  
 ATHENS, GEORGIA

Location Name	MW-8I	MW-9D	MW-9D	MW-9I	MW-9I	MW-11D	MW-11D	MW-11I	MW-11I	MW-11S	MW-11S	MW-14D	MW-14I	MW-16D	MW-16D (DUP)	MW-16D	
Sample Date	12/27/2011	12/21/2011	2/21/2012	12/21/2011	2/21/2012	12/22/2011	2/20/2012	12/20/2011	2/20/2012	12/20/2011	2/20/2012	12/20/2011	12/20/2011	12/22/2011	2/22/2012	2/22/2012	
<b>Field Parameters</b>																	
Conductivity, Field (mS/cm)	<b>0.312</b>	<b>0.166</b>	<b>0.167</b>	<b>0.122</b>	<b>0.129</b>		<b>0.98</b>	<b>0.87</b>	<b>0.08</b>	<b>0.08</b>	<b>0.035</b>	<b>0.053</b>	<b>0.105</b>	<b>0.06</b>	<b>0.088</b>	-	<b>0.105</b>
Dissolved Oxygen, Field (mg/L)	<b>7.85</b>	<b>0.51</b>	<b>0.27</b>	<b>0.35</b>	<b>0.39</b>	<b>0.69</b>		<b>-0.7</b>	<b>2.42</b>	<b>1.7</b>	<b>0.76</b>	<b>0.72</b>	<b>3.1</b>	<b>1.48</b>	<b>3.51</b>	-	<b>1.97</b>
ORP, Field (mV)	<b>149</b>	<b>-171</b>	<b>-115</b>	<b>153.6</b>	<b>73.5</b>	<b>-335</b>	<b>-286.9</b>	<b>154</b>	<b>136.4</b>	<b>187</b>	<b>80.5</b>	<b>154.9</b>	<b>85.1</b>	<b>84</b>	-	-	<b>124.3</b>
pH, Field (NTU)	<b>5.46</b>	<b>8.62</b>	<b>8.8</b>	<b>6.18</b>	<b>6.23</b>	<b>7.03</b>	<b>7.3</b>	<b>5.82</b>	<b>5.96</b>	<b>5.25</b>	<b>5.19</b>	<b>6.28</b>	<b>6.13</b>	<b>5.85</b>	-	-	<b>5.99</b>
Temperature, Field (Deg C)	<b>16.2</b>	<b>19.9</b>	<b>18.4</b>	<b>19.6</b>	<b>18.4</b>	<b>16.7</b>	<b>15.7</b>	<b>16</b>	<b>15.3</b>	<b>16.3</b>	<b>13.6</b>	<b>16</b>	<b>15.4</b>	<b>19.9</b>	-	-	<b>18.9</b>
Turbidity, Field (NTU)	<b>4.2</b>	<b>1.5</b>	<b>4</b>	<b>3</b>	<b>1.3</b>	<b>5.1</b>	<b>4.8</b>	<b>4.3</b>	<b>2.4</b>	<b>4.7</b>	<b>4.6</b>	<b>0.9</b>	<b>5.7</b>	<b>3.1</b>	-	-	<b>2.3</b>
<b>General Chemistry (mg/L)</b>																	
Alkalinity, Total (as CaCO3)	-	<b>84.4</b>	<b>84.8</b>	<b>61.7</b>	<b>59.3</b>		<b>441</b>	<b>376</b>	<b>37.9</b>	<b>39.2</b>	<b>6.5</b>	<b>9.5</b>	<b>51.3</b>	<b>26</b>	<b>30.5</b>	-	-
Nitrate	-	< 0.2	< 0.2	<b>0.48</b>	<b>0.48</b>	< 0.2	< 0.2	<b>0.88</b>	<b>0.96</b>	<b>0.48</b>	< 0.1	< 0.2	< 0.1	< 0.2	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>
Nitrite (as N)	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	<b>1.5</b>	<b>0.77</b>	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nitrite/Nitrate Nitrogen	-	< 0.2	< 0.2	<b>0.48</b>	<b>0.48</b>	< 0.2	< 0.2	<b>0.88</b>	<b>0.96</b>	<b>0.48</b>	< 0.2	< 0.2	< 0.2	< 0.2	<b>1.1</b>	<b>1.2</b>	<b>1.2</b>
Sulfate	-	<b>9.1</b>	<b>9.2</b>	< 5	< 5	<b>5.2</b>	<b>7.8</b>	< 5	< 5	< 5	<b>6.1</b>	< 5	< 5	<b>10.3</b>	-	-	
Sulfide	-	< 0.1	< 0.1	< 0.1	< 0.1	<b>57.8</b>	<b>4.6</b>	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Total Organic Carbon (TOC)	-	<b>2.2</b>	<b>2.7</b>	<b>2.4</b>	<b>3.2</b>		<b>42.8</b>	<b>33.7</b>	<b>1.8</b>	<b>1.8</b>	<b>2</b>	<b>2.9</b>	<b>1.5</b>	<b>1.5</b>	<b>2.2</b>	<b>1.8</b>	<b>1.9</b>
<b>Dissolved Gases(ug/L)</b>																	
Methane	-	< 10	< 6.6	< 10	<b>7.3</b>	<b>28000</b>	<b>13000</b>	< 10	< 6.6	< 10	< 6.6	< 10	<b>30</b>	< 10	< 6.6	< 6.6	
<b>Volatile Organic Compounds (ug/L)</b>																	
1,1,2-Trichloroethane	< 1	< 1	-	< 1	-	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	-	
1,1-Dichloroethane	< 1	< 1	-	<b>1.2</b>	-	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	-	
1,1-Dichloroethene	< 1	< 1	-	<b>3.4</b>	-	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	-	
Benzene	< 1	< 1	-	< 1	-	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	-	
Chloroform (Trichloromethane)	< 1	< 1	-	< 1	-	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	-	
cis-1,2-Dichloroethene	< 1	< 1	< 1	<b>113</b>	<b>91.9</b>	<b>8</b>	<b>7.7</b>	<b>50</b>	<b>33.4</b>	<b>26.7</b>	<b>50.9</b>	< 1	< 1	<b>34.2</b>	<b>28.2</b>	<b>28.8</b>	
m,p-Xylenes	< 2	< 2	-	< 2	-	< 2	-	< 2	-	< 2	-	< 2	< 2	< 2	-	-	
Methylene chloride	< 2	< 2	-	< 2	-	< 2	-	< 2	-	< 2	-	< 2	< 2	< 2	-	-	
Naphthalene	< 1	< 1	-	< 1	-	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	-	
o-Xylene	< 1	< 1	-	< 1	-	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	-	
Tetrachloroethene	< 1	< 1	< 1	<b>1.6</b>	< 10	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Toluene	< 1	< 1	-	< 1	-	< 1	-	< 1	-	< 1	-	< 1	< 1	< 1	-	-	
trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Trichloroethene	< 1	< 1	< 1	<b>1110</b>	<b>1070</b>	< 1	< 1	<b>766</b>	<b>540</b>	<b>356</b>	<b>183</b>	< 1	< 1	<b>114</b>	<b>90.4</b>	<b>95.9</b>	
Trichlorofluoromethane (CFC-11)	< 1	< 1	-	<b>1.3</b>	-	< 1	-	<b>1.4</b>	-	< 1	-	< 1	< 1	< 1	-	-	
Vinyl chloride	< 1	<b>1.2</b>	<b>1.2</b>	< 1	< 10	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	

**Notes and Abbreviations:**  
 1. Results shown in **bold** were detected.  
 2. < - Not detected above the laboratory detection limit.  
 3. Only detected compounds are shown in table.

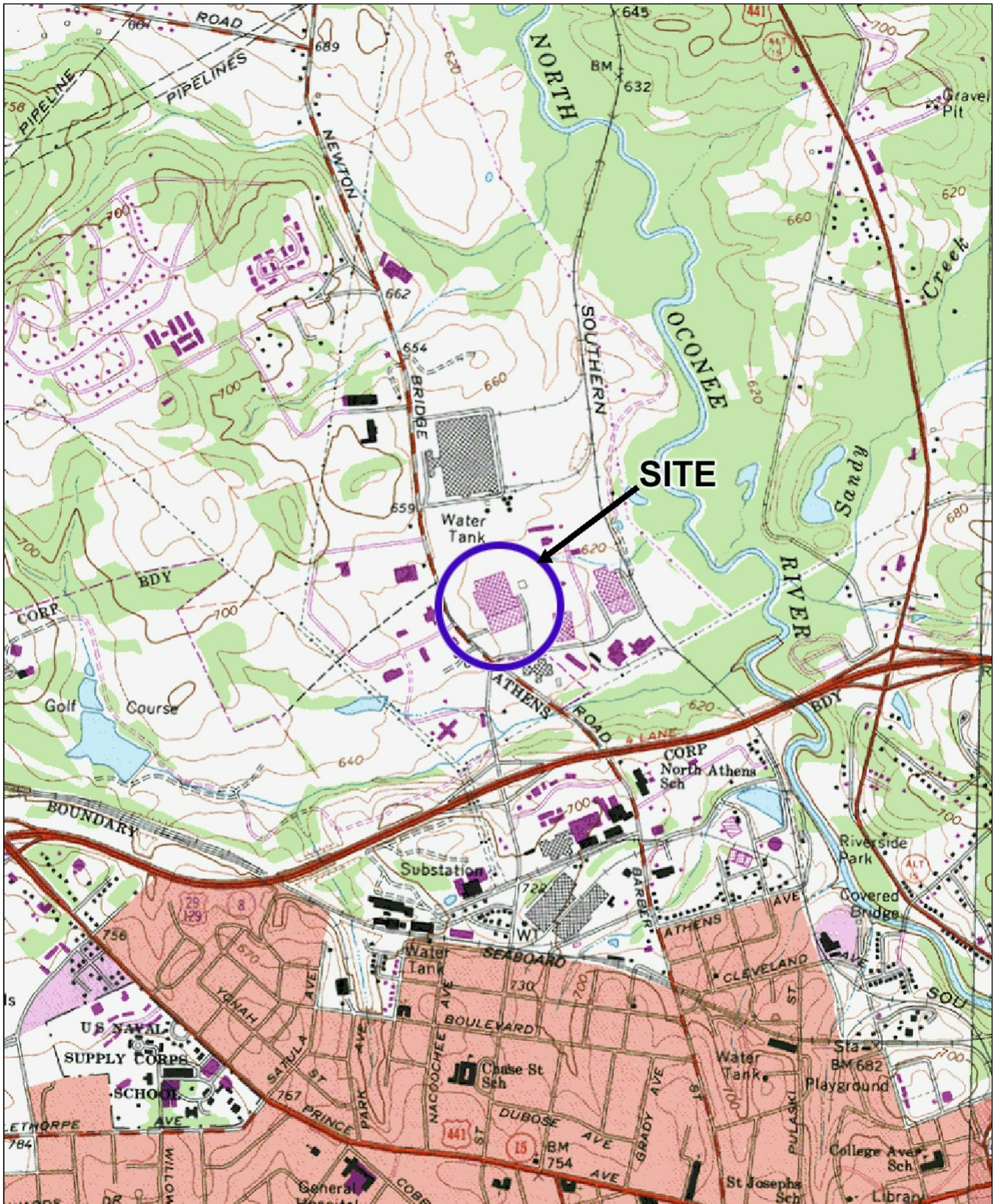
**TABLE II**  
 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS (DECEMBER 2011 AND FEBRUARY 2012)  
 CARPENTER - GENERAL TIME FACILITY  
 ATHENS, GEORGIA

Location Name	MW-16I	MW-16I	RW-1	RW-1	RW-2	RW-2	RW-3	RW-3	RW-4	RW-4	S-2	S-5	
Sample Date	12/22/2011	2/22/2012	12/19/2011	2/21/2012	12/19/2011	2/22/2012	12/19/2011	2/22/2012	12/19/2011	2/22/2012	12/27/2011	12/27/2011	
<b>Field Parameters</b>													
Conductivity, Field (mS/cm)	<b>0.498</b>	<b>0.649</b>	<b>0.04</b>	<b>0.15</b>	<b>0.07</b>	<b>0.72</b>		<b>0.131</b>	<b>0.146</b>	<b>0.08</b>	<b>0.087</b>	-	-
Dissolved Oxygen, Field (mg/L)	<b>1.68</b>	<b>1.12</b>	<b>0.38</b>	<b>0.2</b>	<b>3.83</b>	<b>2.45</b>	<b>0.43</b>	<b>0.64</b>	<b>2.99</b>		<b>2.6</b>	-	-
ORP, Field (mV)	<b>125.4</b>	<b>162.4</b>	<b>162.8</b>	<b>3.8</b>	<b>152.9</b>	<b>108.4</b>	<b>102.2</b>		<b>67.6</b>	<b>144.2</b>	<b>109.5</b>	-	-
pH, Field (NTU)	<b>5.32</b>	<b>5.42</b>	<b>5.31</b>	<b>5.95</b>	<b>6.13</b>	<b>6.15</b>	<b>8.95</b>		<b>9.5</b>	<b>6.54</b>	<b>6.66</b>	-	-
Temperature, Field (Deg C)	<b>20.2</b>	<b>19.3</b>	<b>19.8</b>	<b>19.2</b>	<b>19.6</b>	<b>18.2</b>	<b>19.8</b>	<b>17.9</b>	<b>19.8</b>	<b>17.2</b>		-	-
Turbidity, Field (NTU)	<b>5.2</b>	<b>1.9</b>	<b>-0.2</b>	<b>2.1</b>	<b>11.5</b>	<b>1.5</b>	<b>5.1</b>	<b>4</b>	<b>5.8</b>	<b>4.6</b>	-	-	
<b>General Chemistry (mg/L)</b>													
Alkalinity, Total (as CaCO3)	<b>25.2</b>	-	-	-	-	-	-	-	-	-	-	-	
Nitrate	<b>5.9</b>	<b>5.8</b>	-	-	-	-	-	-	-	-	-	-	
Nitrite (as N)	<b>0.24</b>	<b>0.18</b>	-	-	-	-	-	-	-	-	-	-	
Nitrite/Nitrate Nitrogen	<b>6.2</b>	<b>6</b>	-	-	-	-	-	-	-	-	-	-	
Sulfate	<b>166</b>	-	-	-	-	-	-	-	-	-	-	-	
Sulfide	< 0.1	< 0.1	-	-	-	-	-	-	-	-	-	-	
Total Organic Carbon (TOC)	<b>11.3</b>	<b>12</b>	-	-	-	-	-	-	-	-	-	-	
<b>Dissolved Gases(ug/L)</b>													
Methane	<b>27.7</b>	<b>35.8</b>	-	-	-	-	-	-	-	-	-	-	
<b>Volatile Organic Compounds (ug/L)</b>													
1,1,2-Trichloroethane	<b>9.1</b>	-	< 1	-	< 1	-	<b>4.5</b>	-	< 1	-	< 1	< 1	
1,1-Dichloroethane	<b>3.2</b>	-	< 1	-	< 1	-	<b>6.5</b>	-	< 1	-	< 1	< 1	
1,1-Dichloroethene	<b>12.2</b>	-	< 1	-	< 1	-	<b>50.5</b>	-	< 1	-	< 1	< 1	
Benzene	<b>1.5</b>	-	< 1	-	< 1	-	<b>3</b>	-	< 1	-	< 1	< 1	
Chloroform (Trichloromethane)	<b>3.1</b>	-	<b>1.5</b>	-	<b>1.9</b>	-	<b>4.6</b>	-	<b>2.1</b>	-	< 1	< 1	
cis-1,2-Dichloroethene	<b>7360</b>	<b>10600</b>	<b>404</b>	<b>784</b>	<b>3</b>	<b>2.6</b>	<b>678</b>	<b>768</b>	< 1	< 1	<b>1.7</b>	< 1	
m,p-Xylenes	<b>3.6</b>	-	< 2	-	< 2	-	< 2	-	< 2	-	< 2	< 2	
Methylene chloride	<b>5.2</b>	-	< 2	-	< 2	-	<b>23.6</b>	-	< 2	-	< 2	< 2	
Naphthalene	<b>5.5</b>	-	< 1	-	< 1	-	<b>1.1</b>	-	< 1	-	< 1	< 1	
o-Xylene	<b>8.3</b>	-	< 1	-	< 1	-	<b>5</b>	-	< 1	-	< 1	< 1	
Tetrachloroethene	<b>1.7</b>	< 100	< 1	< 5	< 1	< 1	< 1	< 100	< 1	< 1	< 1	< 1	
Toluene	<b>1.2</b>	-	< 1	-	< 1	-	<b>2.8</b>	-	< 1	-	< 1	< 1	
trans-1,2-Dichloroethene	<b>126</b>	< 100	< 1	< 5	< 1	< 1	<b>29.2</b>	< 100	< 1	< 1	< 1	< 1	
Trichloroethene	<b>17800</b>	<b>19700</b>	<b>987</b>	<b>2390</b>	<b>39.8</b>	<b>38.9</b>	<b>13100</b>	<b>16300</b>	<b>11.8</b>	<b>7.6</b>	<b>13.1</b>	< 1	
Trichlorofluoromethane (CFC-11)	< 1	-	<b>3.3</b>	-	< 1	-	< 1	-	< 1	-	< 1	< 1	
Vinyl chloride	<b>109</b>	<b>164</b>	<b>9.6</b>	<b>35.3</b>	< 1	< 1	<b>2.1</b>	< 100	< 1	< 1	< 1	< 1	

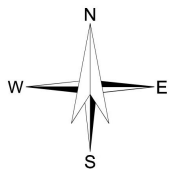
**Notes and Abbreviations:**  
 1. Results shown in **bold** were detected.  
 2. < - Not detected above the laboratory detection limit.  
 3. Only detected compounds are shown in table.

**TABLE III**  
**GROUNDWATER ELEVATION DATA**  
**CARPENTER - GENERAL TIME FACILITY**  
**ATHENS, GEORGIA**

Well Identifier	Date of Measurement	Reference Point Elevation	Screened Interval (feet)	Depth to Water (feet)	Static Water Level Elevation	Notes
MW-1S	12/19/2011 2/22/2012	641.3 -	14.5 - 4.5	8.33 -	632.97 -	Not Taken
MW-1I	12/19/2011 2/22/2012	641.1 -	25 - 20	8.22 -	632.88 -	Not Taken
MW-2S	12/19/2011 2/20/2012	637 637	20 - 10	18.91 15.28	618.09 621.72	
MW-2I	12/19/2011 2/20/2012	636.9 636.9	86.5 - 76.5	20.04 17.97	616.86 618.93	
MW-2D	12/19/2011 2/21/2012	634.8 634.8	226.5 - 216.5	22.38 20.02	612.42 614.78	
MW-3I	12/19/2011 2/22/2012	637.6 -	99.5 - 89.5	17.39 -	620.21 -	Not Taken
MW-4I	12/19/2011 2/22/2012	629.3 -	64 - 54	17.92 -	611.38 -	Not Taken
MW-5I	12/19/2011 2/21/2012	623.5 623.5	41.5 - 31.5	10.41 11.7	613.09 611.8	
MW-6I	12/19/2011 2/22/2012	622.8 622.8	71 - 61	10.53 -	612.27 -	Not Taken
MW-7I	12/19/2011 2/21/2012	619.1 619.1	36.5 - 26.5	7.34 6.57	611.76 612.53	
MW-8I	12/19/2011 2/22/2012	618.7 -	15 - 5	7.67 -	611.03 -	Not Taken
MW-9I	12/19/2011 2/21/2012	613.2 613.2	54.5 - 44.5	6.22 5.68	606.98 607.52	
MW-9D	12/19/2011 2/21/2012	613.4 613.4	201.4 - 181.4	11.97 10.04	601.43 603.36	
MW-10IR	12/19/2011 2/22/2012	- -	88.4 - 78.4	- -	- -	Could not locate Could not locate
MW-10D	12/19/2011 2/22/2012	- -	142.8 - 93.8	- -	- -	Could not locate Could not locate
MW-11S	12/19/2011 2/20/2012	611 611	13 - 3	8.64 6.03	602.36 604.97	
MW-11I	12/19/2011 2/20/2012	610.9 610.9	32 - 22	8.52 6.82	602.38 604.08	
MW-11D	12/19/2011 2/20/2012	611.9 611.9	287.3 - 277.3	10.2 7.6	601.7 604.3	
MW-12I	12/19/2011 2/22/2012	- -	25.5 - 15.5	- -	- -	Could not locate Could not locate
MW-12D	12/19/2011 2/22/2012	- -	77 - 45	- -	- -	Could not locate Could not locate
MW-13I	12/19/2011 2/22/2012	- -	94.5 - 84.5	- -	- -	Could not locate Could not locate
MW-14I	12/19/2011 2/22/2012	615 -	42.9 - 32.9	13.88 -	601.12 -	Not Taken
MW-14D	12/19/2011 2/22/2012	- -	95.35 - 55.35	13.95 -	- -	Not Taken
MW-15I	12/19/2011 2/22/2012	- -	17.2 - 7.2	- -	- -	Could not locate Could not locate
MW-16I	12/19/2011 2/22/2012	- -	30 - 20	21.78 20.4	- -	
MW-16D	12/19/2011 2/22/2012	- -	57 - 47	21.86 20.7	- -	
RW-1	12/19/2011 2/21/2012	- -	46.5 - 26.5	20.56 19.1	- -	
RW-2	12/19/2011 2/22/2012	- -	90 - 70	20.5 19.36	- -	
RW-3	12/19/2011 2/22/2012	- -	90 - 70	16.24 15.1	- -	
RW-4	12/19/2011 2/22/2012	- -	95 - 75	15.31 14.06	- -	



SITE COORDINATES: 33°58'47"N 83°23'36"W



U.S.G.S. QUADRANGLE: ATHENS WEST, GA

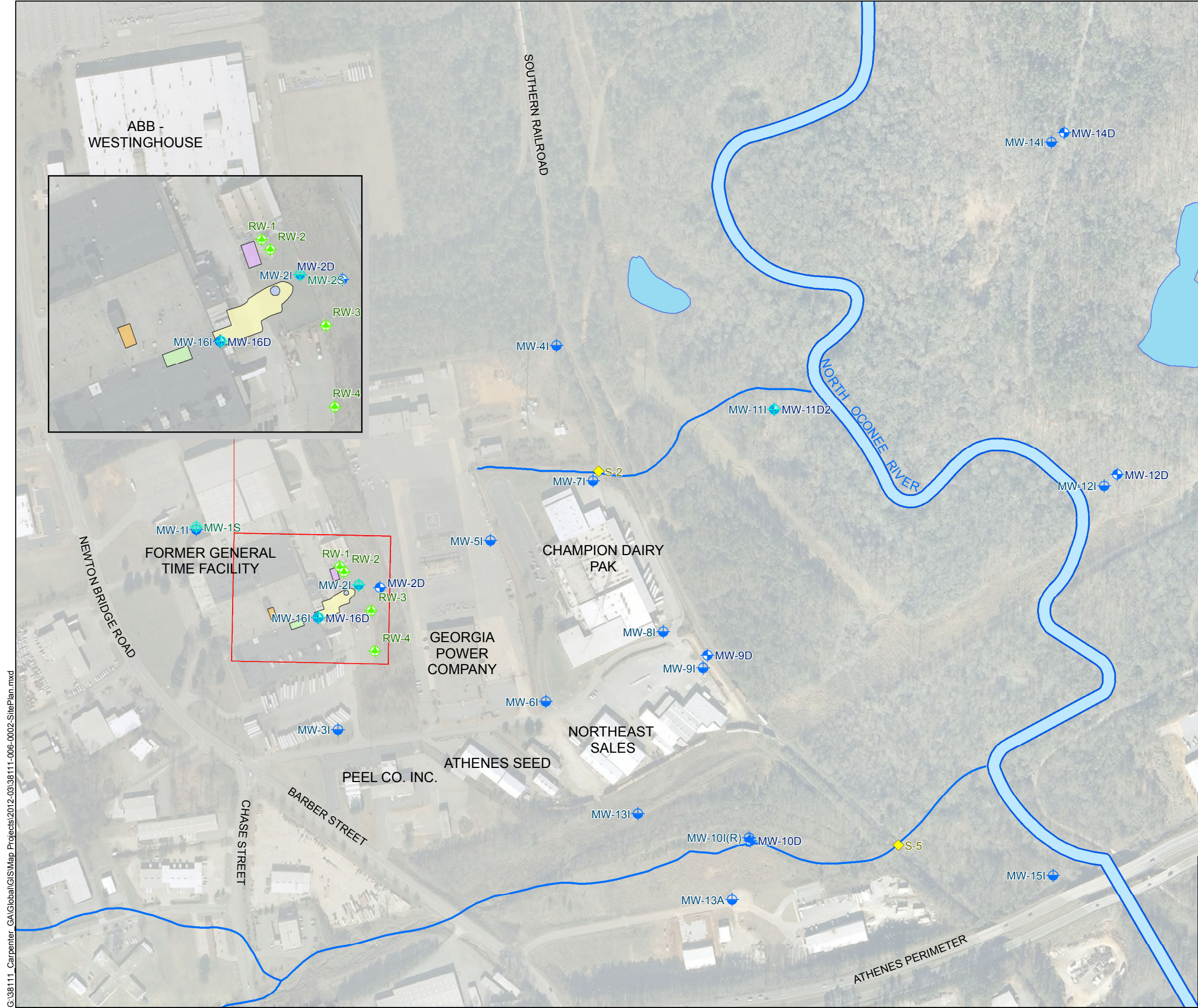
**HALEY & ALDRICH**

GENERAL TIME FACILITY  
CITY OF ATHENS, CLARKE COUNTY, GEORGIA

PROJECT LOCUS

SCALE: 1:24,000  
APRIL 2012

FIGURE 1



**LEGEND**

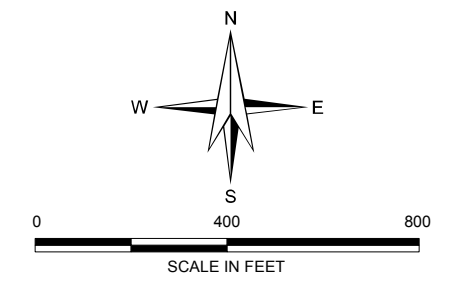
- MW-11S SHALLOW MONITORING WELL LOCATION
- MW-9I INTERMEDIATE MONITORING WELL LOCATION
- MW-14D DEEP MONITORING WELL LOCATION
- RW-4 RECOVERY WELL LOCATION
- S-2 SURFACE WATER SAMPLE LOCATION (APPROXIMATE)

**SUSPECTED SOURCE AREAS**

- 1992 TCE SPILL EXCAVATION AREA
- FORMER CISTERN AREA
- FORMER CENTRIFUGE AREA
- FORMER COOLING TOWER AREA
- FORMER VAPOR DEGREASER AREA

**NOTES:**

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.



**HALEY & ALDRICH** GENERAL TIME FACILITY  
CITY OF ATHENS, CLARKE COUNTY, GEORGIA

**SITE PLAN SHOWING  
SAMPLE LOCATIONS AND  
SUSPECTED SOURCE AREAS**

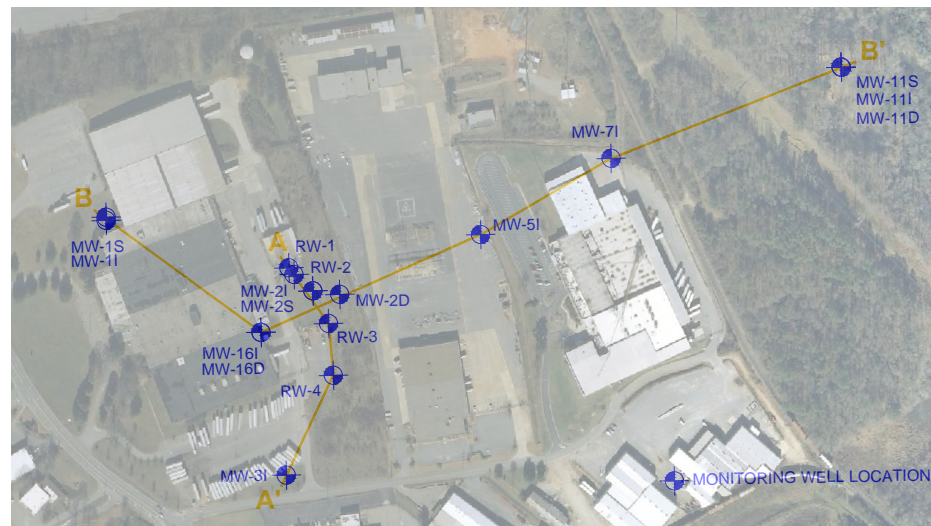
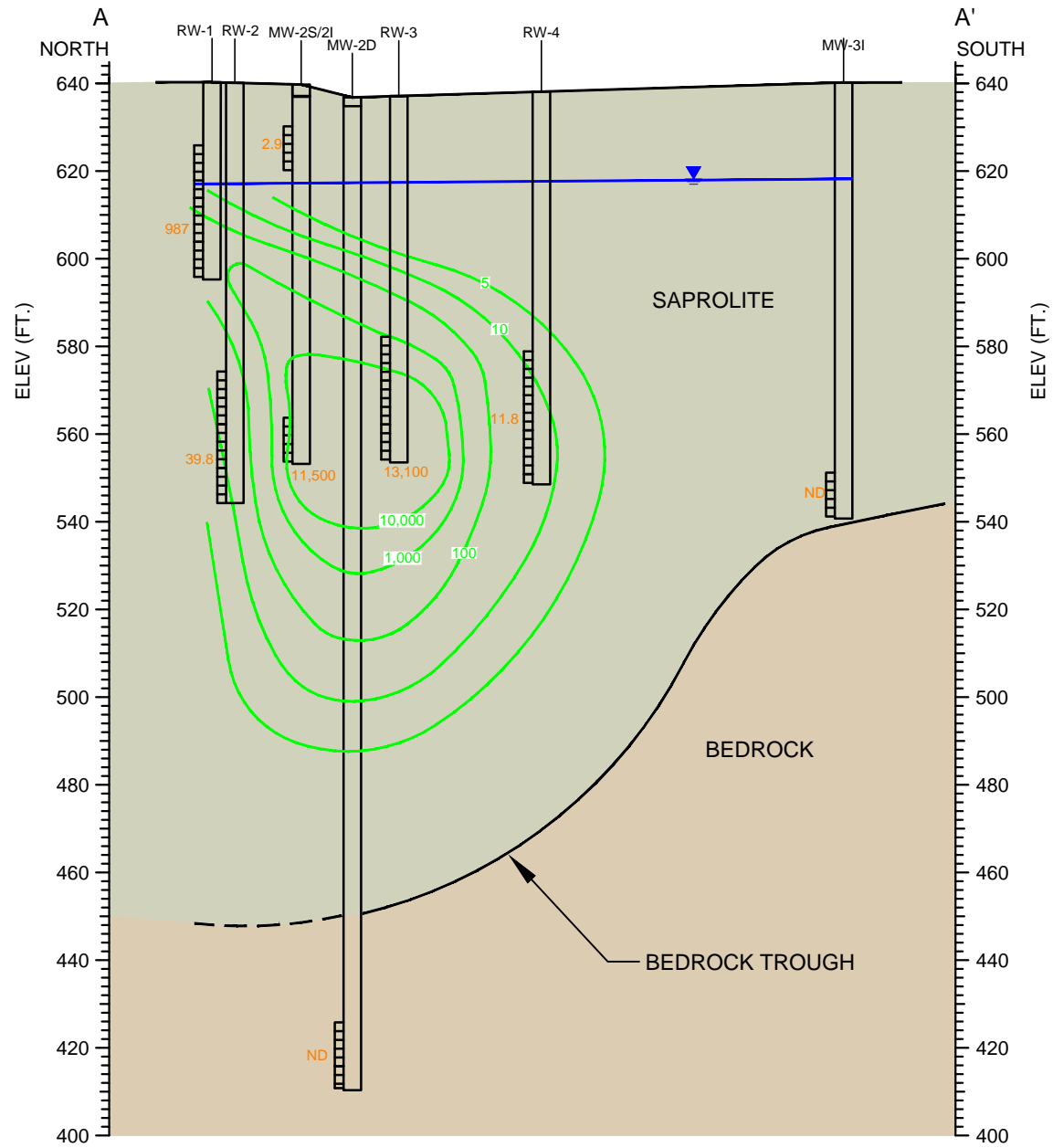
SCALE: AS SHOWN  
APRIL 2012

FIGURE 2

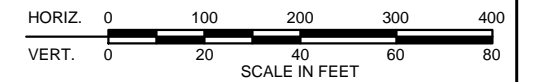
G:\38111\_Carpenter\_GA\Global\GIS\Map Projects\2012-03\38111-006-0002-SitePlan.mxd



G:\38111\_CARPENTER\_GA\GLOBAL\CAD\38111-600-0003-X-SECTIONS.DWG

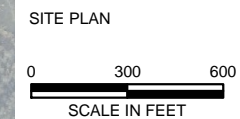


- LEGEND:**
- MW-1S MONITORING WELL
  - WATER TABLE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
  - SCREENED INTERVAL WITH DECEMBER 2011 TCE CONCENTRATION IN ug/l
  - ND TCE NOT DETECTED
  - TCE ISO-CONCENTRATION CONTOUR IN ug/l



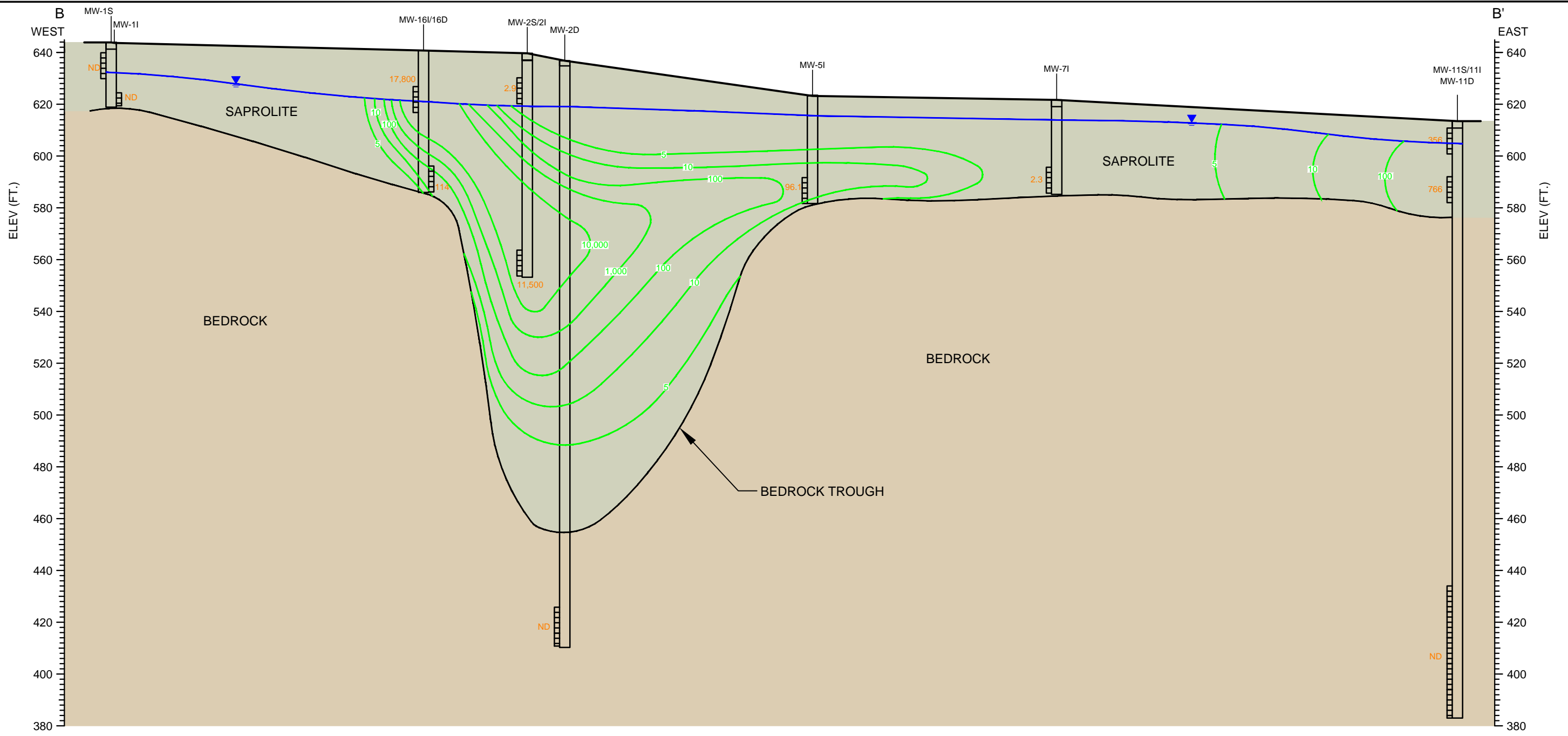
**HALEY & ALDRICH** GENERAL TIME FACILITY  
CITY OF ATHENS, CLARKE COUNTY, GEORGIA

**HYDROGEOLOGIC CROSS-SECTION A-A'**








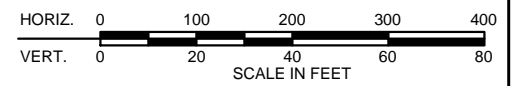
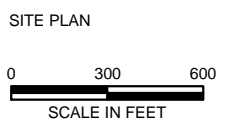
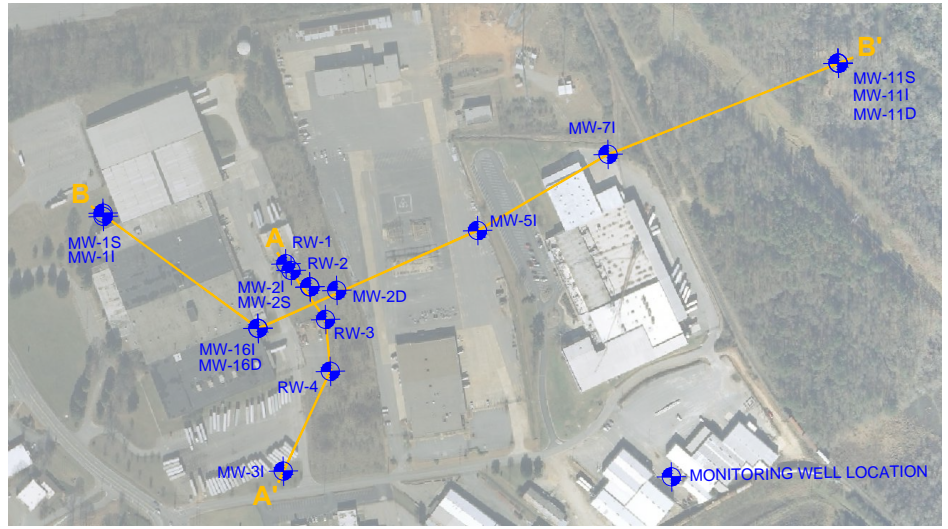
SCALE: AS SHOWN  
MARCH 2012

**FIGURE 3**



G:\38111\_CARPENTER\_GA\GLOBAL\CAD\381111-600-0003-X-SECTIONS.DWG

- LEGEND:**
-  MONITORING WELL
  -  WATER TABLE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
  -  TCE NOT DETECTED
  -  TCE ISO-CONCENTRATION CONTOUR IN ug/L
  -  SCREENED INTERVAL WITH DECEMBER 2011 TCE CONCENTRATION IN ug/l



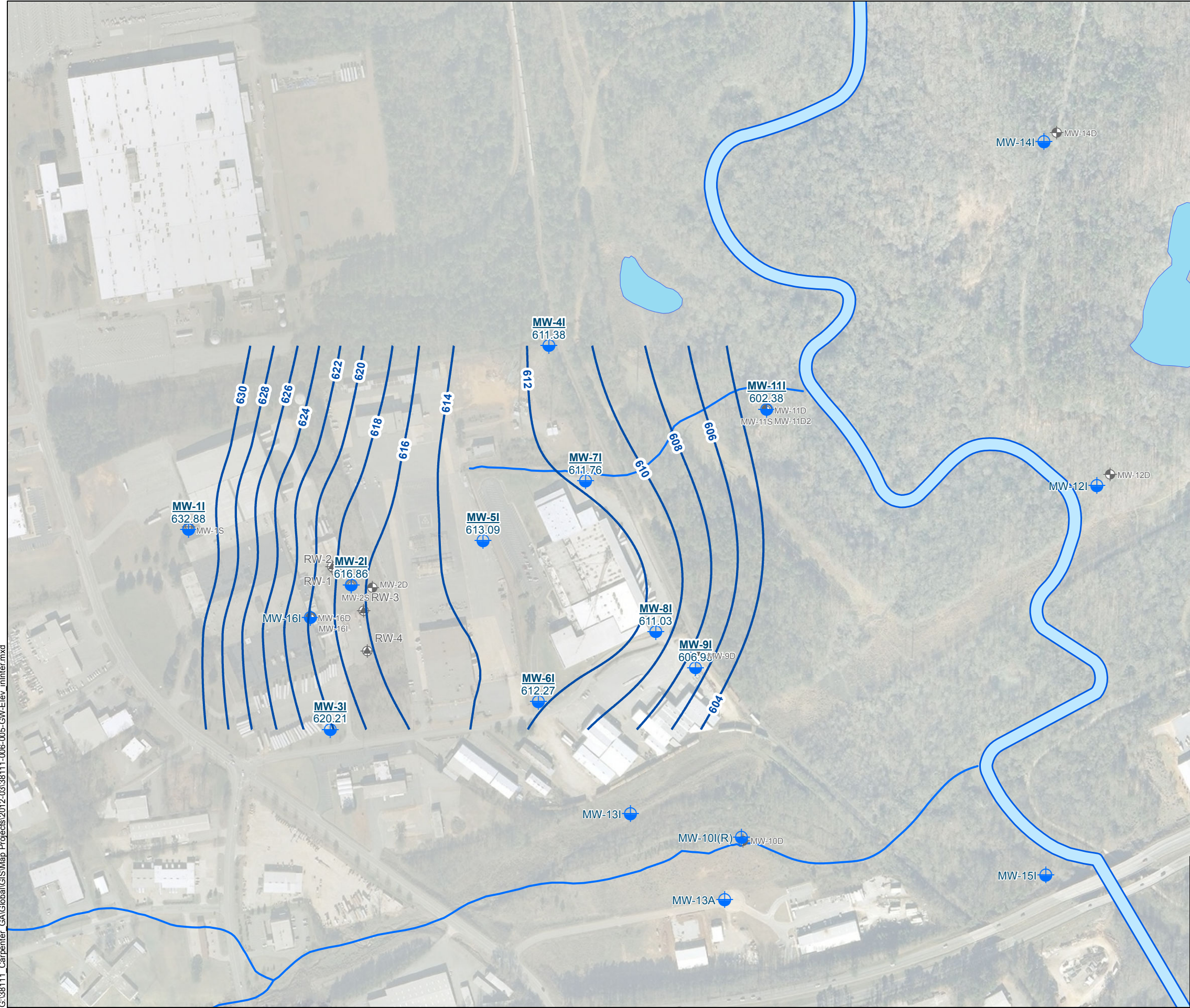
**HALEY & ALDRICH** GENERAL TIME FACILITY  
CITY OF ATHENS, CLARKE COUNTY, GEORGIA

**HYDROGEOLOGIC CROSS-SECTION B-B'**






SCALE: AS SHOWN  
MARCH 2012

**FIGURE 4**

G:\38111\_Carpenter\_GA\Global\GIS\Map Projects\2012-03\38111-006-005-GW-Elev\_ininter.mxd

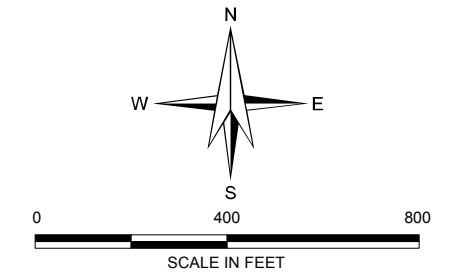


**LEGEND**

- MW-11S  SHALLOW MONITORING WELL LOCATION
- MW-9I**  
606.98  INTERMEDIATE MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION
- MW-14D  DEEP MONITORING WELL LOCATION
- RW-4  RECOVERY WELL LOCATION
-  GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)

**NOTES:**

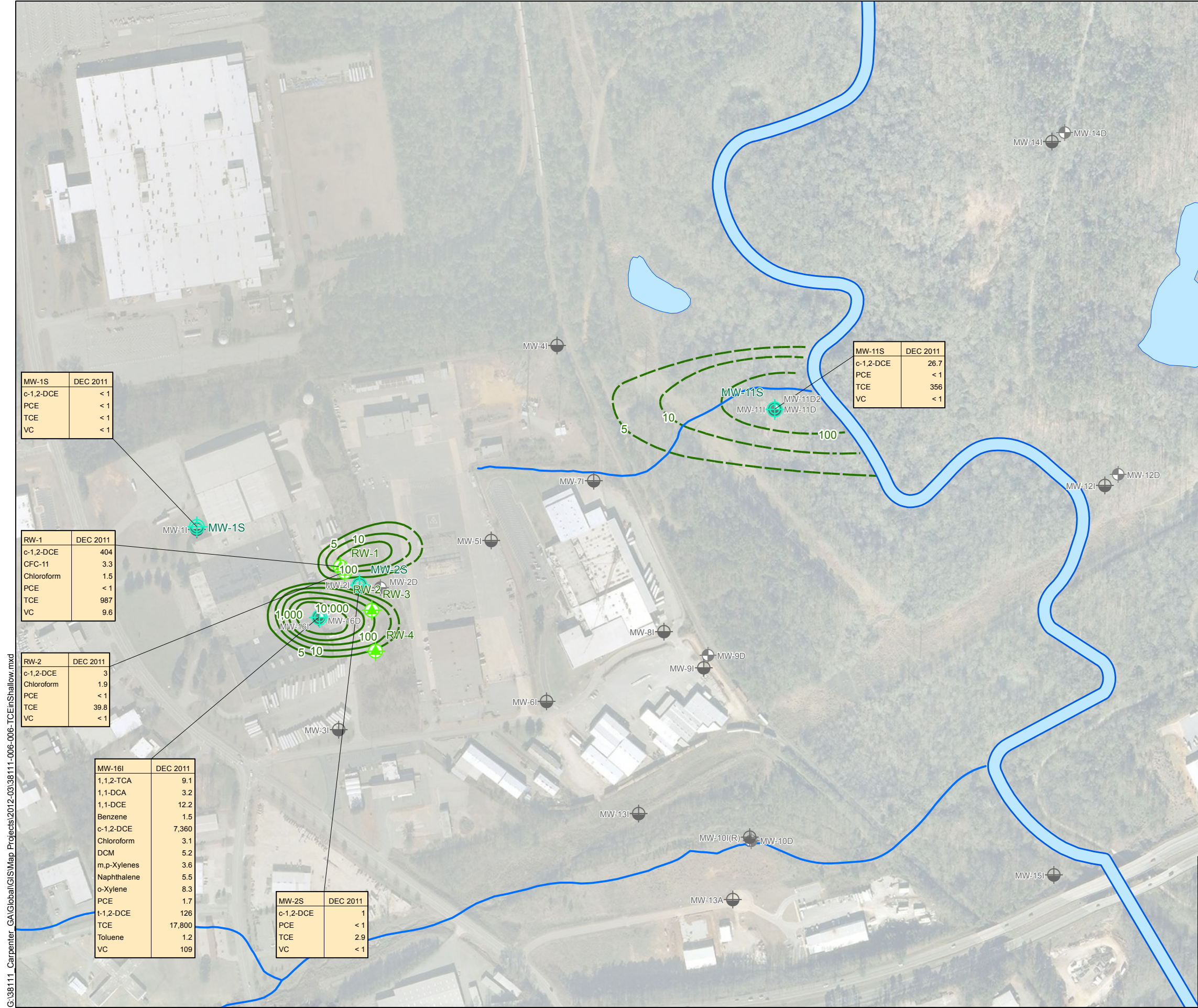
- 1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.



**HALEY & ALDRICH** GENERAL TIME FACILITY  
CITY OF ATHENS, CLARKE COUNTY, GEORGIA

**POTENTIOMETRIC SURFACE  
DECEMBER 2011**

SCALE: AS SHOWN  
MARCH 2012



**LEGEND**

- MW-11S SHALLOW MONITORING WELL LOCATION
- MW-9I INTERMEDIATE MONITORING WELL LOCATION
- MW-14D DEEP MONITORING WELL LOCATION
- RW-4 RECOVERY WELL LOCATION
- TCE ISO-CONCENTRATION CONTOUR IN ug/L (DASHED WHERE INFERRED)

MW-11S	DEC 2011
c-1,2-DCE	26.7
PCE	< 1
TCE	356
VC	< 1

MW-1S	DEC 2011
c-1,2-DCE	< 1
PCE	< 1
TCE	< 1
VC	< 1

RW-1	DEC 2011
c-1,2-DCE	404
CFC-11	3.3
Chloroform	1.5
PCE	< 1
TCE	987
VC	9.6

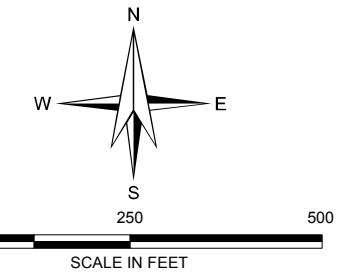
RW-2	DEC 2011
c-1,2-DCE	3
Chloroform	1.9
PCE	< 1
TCE	39.8
VC	< 1

MW-16I	DEC 2011
1,1,2-TCA	9.1
1,1-DCA	3.2
1,1-DCE	12.2
Benzene	1.5
c-1,2-DCE	7,360
Chloroform	3.1
DCM	5.2
m,p-Xylenes	3.6
Naphthalene	5.5
o-Xylene	8.3
PCE	1.7
t-1,2-DCE	126
TCE	17,800
Toluene	1.2
VC	109

MW-2S	DEC 2011
c-1,2-DCE	1
PCE	< 1
TCE	2.9
VC	< 1

**NOTES:**

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ALL CONCENTRATION ARE IN MICROGRAMS PER LITER (ug/L)
3. ONLY DETECTED CONCENTRATIONS ARE REPORTED EXCEPT c-1,2-DCE, PCE, TCE, AND VC
4. <1 = LESS THAN LABORATORY REPORTING LIMIT OF 1 ug/L
5. 1,1,2-TCA = 1,1,2-Trichloroethane
6. 1,1-DCA = 1,1-Dichloroethane
7. c-1,2-DCE = cis-1,2-Dichloroethene
8. DCM = Methylene chloride
9. PCE = Tetrachloroethene
10. t-1,2-DCE = trans-1,2-Dichloroethene
11. TCE = Trichloroethene
12. CFC-11 = Trichlorofluoromethane
13. VC = Vinyl chloride



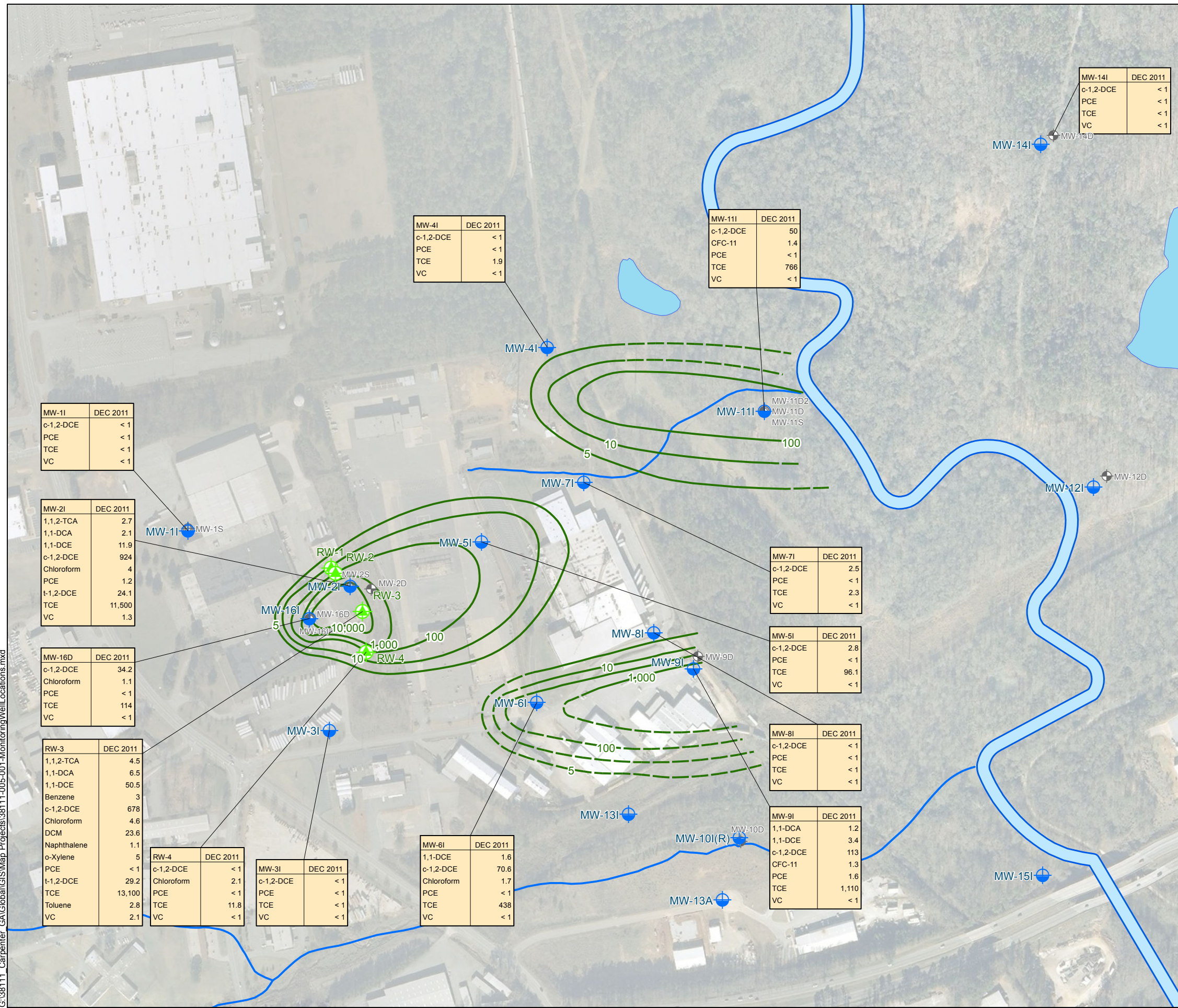
**HALEY & ALDRICH** GENERAL TIME FACILITY  
CITY OF ATHENS, CLARKE COUNTY, GEORGIA

**DISTRIBUTION OF TCE  
IN SHALLOW GROUNDWATER  
DECEMBER 2011**

SCALE: AS SHOWN  
MARCH 2012

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G:\38111\_Carpenter\_GA\Global\GIS\Map Projects\38111-005-001-MonitoringWellLocations.mxd



MW-1I	DEC 2011
c-1,2-DCE	< 1
PCE	< 1
TCE	< 1
VC	< 1

MW-2I	DEC 2011
1,1,2-TCA	2.7
1,1-DCA	2.1
1,1-DCE	11.9
c-1,2-DCE	924
Chloroform	4
PCE	1.2
t-1,2-DCE	24.1
TCE	11,500
VC	1.3

MW-16D	DEC 2011
c-1,2-DCE	34.2
Chloroform	1.1
PCE	< 1
TCE	114
VC	< 1

RW-3	DEC 2011
1,1,2-TCA	4.5
1,1-DCA	6.5
1,1-DCE	50.5
Benzene	3
c-1,2-DCE	678
Chloroform	4.6
DCM	23.6
Naphthalene	1.1
o-Xylene	5
PCE	< 1
t-1,2-DCE	29.2
TCE	13,100
Toluene	2.8
VC	2.1

RW-4	DEC 2011
c-1,2-DCE	< 1
Chloroform	< 1
PCE	< 1
TCE	11.8
VC	< 1

MW-3I	DEC 2011
c-1,2-DCE	< 1
PCE	< 1
TCE	< 1
VC	< 1

MW-4I	DEC 2011
c-1,2-DCE	< 1
PCE	< 1
TCE	1.9
VC	< 1

MW-6I	DEC 2011
1,1-DCE	1.6
c-1,2-DCE	70.6
Chloroform	1.7
PCE	< 1
TCE	438
VC	< 1

MW-11I	DEC 2011
c-1,2-DCE	50
CFC-11	1.4
PCE	< 1
TCE	766
VC	< 1

MW-7I	DEC 2011
c-1,2-DCE	2.5
PCE	< 1
TCE	2.3
VC	< 1

MW-5I	DEC 2011
c-1,2-DCE	2.8
PCE	< 1
TCE	96.1
VC	< 1

MW-8I	DEC 2011
c-1,2-DCE	< 1
PCE	< 1
TCE	< 1
VC	< 1

MW-9I	DEC 2011
1,1-DCA	1.2
1,1-DCE	3.4
c-1,2-DCE	113
CFC-11	1.3
PCE	1.6
TCE	1,110
VC	< 1

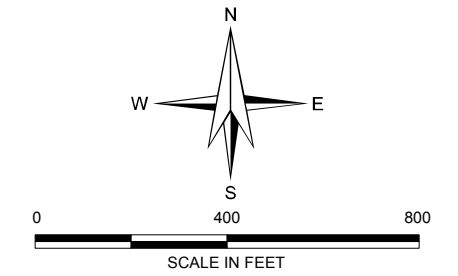
MW-14I	DEC 2011
c-1,2-DCE	< 1
PCE	< 1
TCE	< 1
VC	< 1

### LEGEND

- MW-11S SHALLOW MONITORING WELL LOCATION
- MW-9I INTERMEDIATE MONITORING WELL LOCATION
- MW-14D DEEP MONITORING WELL LOCATION
- RW-4 RECOVERY WELL LOCATION
- TCE ISO-CONCENTRATION CONTOUR IN ug/L (DASHED WHERE INFERRED)

### NOTES:

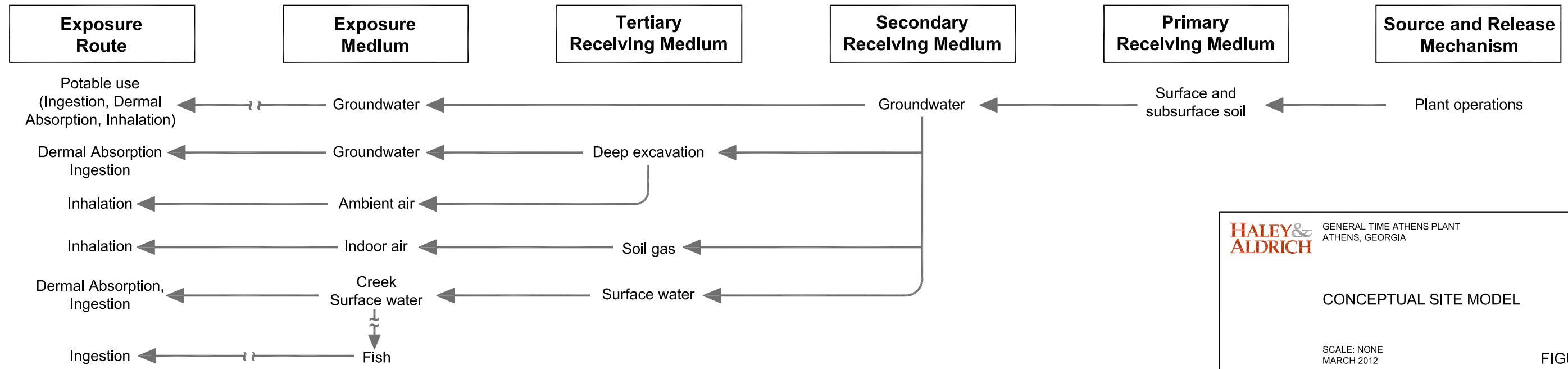
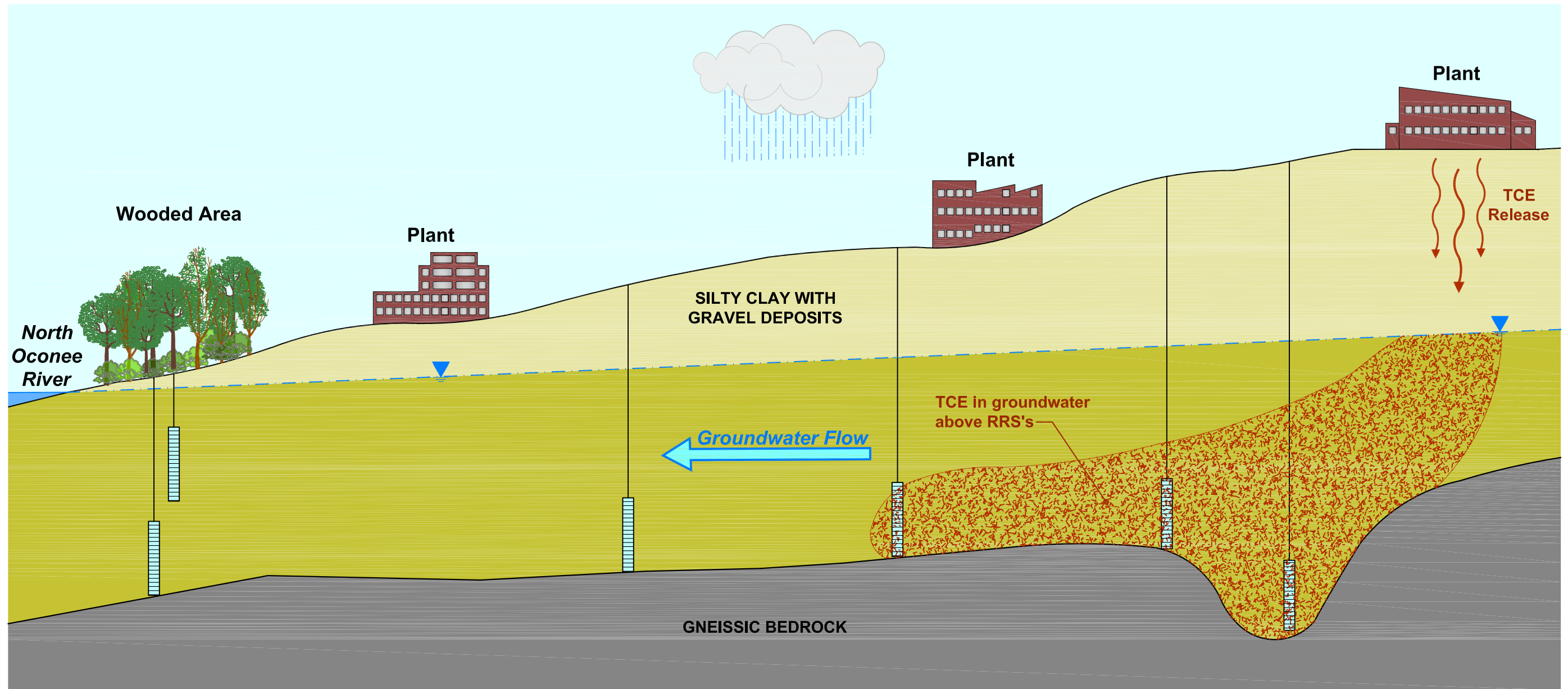
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ALL CONCENTRATION ARE IN MICROGRAMS PER LITER (ug/L)
3. ONLY DETECTED CONCENTRATIONS ARE REPORTED EXCEPT c-1,2-DCE, PCE, TCE, AND VC
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6. 1,1-DCA = 1,1-Dichloroethane
7. c-1,2-DCE = cis-1,2-Dichloroethene
8. DCM = Methylene chloride
9. PCE = Tetrachloroethene
10. t-1,2-DCE = trans-1,2-Dichloroethene
11. TCE = Trichloroethene
12. CFC-11 = Trichlorofluoromethane
13. VC = Vinyl chloride



**HALEY & ALDRICH** GENERAL TIME FACILITY  
CITY OF ATHENS, CLARKE COUNTY, GEORGIA

### DISTRIBUTION OF TCE IN INTERMEDIATE GROUNDWATER DECEMBER 2011

SCALE: AS SHOWN  
MARCH 2012



**HALEY & ALDRICH** GENERAL TIME ATHENS PLANT  
ATHENS, GEORGIA

CONCEPTUAL SITE MODEL

SCALE: NONE  
MARCH 2012

FIGURE 8

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**FIGURE 9  
PROJECT MILESTONE SCHEDULE  
GENERAL TIME FACILITY ATHENS GEORGIA**

No.	TASK	2012				2013				2014				2015				2016			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	VRP Application Submittal																				
2	Delineation	COMPLETE																			
3	Semi-Annual Progress Report Submittal																				
4	Pilot Testing Program Initiated																				
5	Finalize Remediation Plan	TBD FOLLOWING EVALUATION OF PILOT STUDY																			
6	Remedial Activities	TBD FOLLOWING EVALUATION OF PILOT STUDY																			
7	Compliance Status Report Submittal																				

NOTES: Assumes VRP application is approved by April 31, 2012  
Semi-Annual Progress Report Submittal includes semi-annual groundwater sampling and analysis

**APPENDIX A**

**VRP Application Fee**



**Intentionally Left Out of Copies for Security Reasons**

**APPENDIX B**

**Tax Map and Warranty Deed**



Clarke County Assessor			
Parcel: 112 003 Acres: 34.86			
Name:	TALLEY INDUSTRIES INC	Land Value	\$871,500.00
Site:	100 NEWTON BRIDGE RD	Building Value	\$2,608,866.00
Sale:	\$0 on 07-2003 Reason=B Qual=U	Misc Value	\$26,155.00
Mail:	P O BOX 14662 READING, PA 19612-4662	Total Value:	\$3,506,521.00



The Clarke County Assessor's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll. PLEASE NOTE THAT THE PROPERTY APPRAISER MAPS ARE FOR ASSESSMENT PURPOSES ONLY NEITHER CLARKE COUNTY NOR ITS EMPLOYEES ASSUME RESPONSIBILITY FOR ERRORS OR OMISSIONS ---THIS IS NOT A SURVEY---

Date printed: 03/19/12 : 14:27:30

FILED IN OFFICE  
CLERK SUPERIOR COURT  
DEKALB COUNTY, GEORGIA

03 JUL 15 *Am 2:25*

RECORDED  
BOOK *2457* PAGE *257*  
DATE *7-16-03*  
BEVERLY LOGAN, CLERK

RETURN TO:  
ERNEST C. RAMSAY *2-12014*  
RAMSAY TITLE GROUP, LLC  
6400 ATLANTIC BOULEVARD, SUITE 170  
NORCROSS, GEORGIA 30071  
(770) 447-8908

Above space reserved for recording

Prepared by and after recording return to:  
J. Rose Rubin  
King & Spalding  
191 Peachtree Street  
Atlanta, Georgia 30303-1763

This Limited Warranty Deed Shall  
Be Accepted for Recording Without  
Payment of Any Transfer Tax Pursuant  
To Section 1146(c) of the United States  
Bankruptcy Code

*SEE COPY OF ORDER APPROVING  
THE SALE FILED SIMULTANEOUSLY*

LIMITED WARRANTY DEED *HEREWITH.*

**THIS LIMITED WARRANTY DEED**, made as of the 10<sup>th</sup> day of July, 2003, by  
**GENERAL TIME CORPORATION**, a Delaware corporation (hereinafter called "Grantor"),  
in favor of **TALLEY INDUSTRIES, INC.**, a Delaware corporation (herein called "Grantee";  
the words "Grantor" and "Grantee", as used herein, shall include said parties and their respective  
heirs, successors and assigns, and shall include singular, plural, masculine, feminine or neuter, as  
required by the context);

WITNESSETH: That,

*013302*

For and in consideration of **TEN DOLLARS** (\$10.00) and other good and valuable  
consideration, in hand paid at and before the sealing and delivery of these presents, the receipt  
and sufficiency of which are hereby acknowledged, Grantor has granted, bargained, sold,  
transferred, aliened, confirmed and conveyed, and by these presents does grant, bargain, sell,  
transfer, alien, confirm and convey to Grantee that tract and parcel of land described on Exhibit  
"A", attached hereto and by this reference incorporated herein and made a part hereof (herein  
called the "Premises").

BOOK *2457* PAGE *257*

**TO HAVE AND TO HOLD** the said described Premises, together with all and singular any improvements and fixtures thereon and the rights, members and appurtenances thereof, to the same being, belonging, or in any wise appertaining, to the only proper use, benefit or behoof of Grantee, its successors and assigns, forever, **IN FEE SIMPLE**.

**AND** Grantor, for its successors and assigns, hereby covenants with Grantee that Grantor is lawfully seized of the Premises; that Grantor has good right and lawful authority to sell and convey the Premises; and that, except for claims arising under those matters set forth on Exhibit "B", attached hereto and by this reference incorporated herein and made a part hereof, (herein called the "Permitted Exceptions") Grantor will warrant and forever defend the right and title to the Premises unto Grantee, its successors and assigns, against the lawful claims of all persons claiming by, through and under the Grantor, but not otherwise. In accepting this Deed, Grantee does not, and shall not be deemed to, assume or agree to be bound by any of the Permitted Exceptions, it being agreed that such matters are referred to herein solely for the purpose of limiting the warranty of title herein.

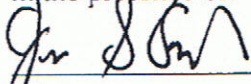
This Deed is made and delivered by the Grantor pursuant to the Order of the United States Bankruptcy Court for the Northern District of Georgia entered in the Grantor's Chapter 11 bankruptcy case on June 23, 2003. Pursuant to such Order, a copy of which is being recorded in the Clarke County, Georgia, Records, contemporaneously with this Deed, the transfer of the Premises by the Grantor to the Grantee made and effected by this Deed is and shall be **FREE AND CLEAR OF ALL LIENS, CLAIMS, INTERESTS AND ENCUMBRANCES OF ANY KIND OR CHARACTER WHATSOEVER AFFECTING THE PREMISES OR THE GRANTOR'S INTEREST THEREIN** other than the Permitted Encumbrances

**THIS DEED** is an **ABSOLUTE CONVEYANCE**, Grantor having sold said land to Grantee for a fair and adequate consideration, such consideration being full satisfaction of all obligations secured by that certain Deed to Secure Debt, Assignment of Rents and Leases, and Security Agreement dated April 9, 2002, made by the Debtor in favor of Talley, and recorded in Deed Book 2182, Page 48, Clarke County, Georgia, (the "Security Deed"), and the Line of Credit Note secured thereby.


IN WITNESS WHEREOF, Grantor has executed and delivered this Deed under seal as of the date and year first above written.

**GRANTOR:**

Signed, sealed and delivered  
in the presence of:

  
\_\_\_\_\_

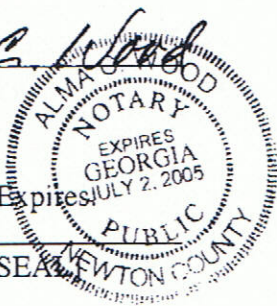
Witness

  
Notary Public


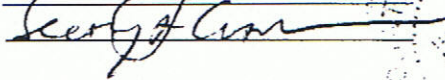
My Commission Expires

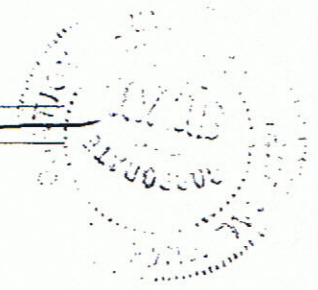
7/2/05

[NOTARIAL SEAL]



**GENERAL TIME CORPORATION, a**  
Delaware corporation

By:   
Its:   
\_\_\_\_\_



[CORPORATE SEAL]

## EXHIBIT A

### LEGAL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND lying and being in 216<sup>th</sup> District, G.M., Clarke County, Georgia, being more particularly described as follows:

BEGINNING AT A CONCRETE MONUMENT FOUND at the point of intersection of the northerly right-of-way line of Dairy Pak Road (50 foot right-of-way) with the northeasterly right-of-way line of Newton Bridge Road (100 foot right-of-way) from said point of beginning, run thence north 51 degrees 31 minutes 43 seconds west, as measured along the northeasterly right-of-way line of Newton Bridge Road, a distance of 184.95 feet to an iron pin set; run thence northwesterly, as measured along the northeasterly right-of-way line of Newton Bridge Road and following the curvature thereof an arc distance of 669.31 feet to an iron pin set, said arc being subtended by a chord situated north 34 degrees 52 minutes 10 seconds west, a distance of 665.89 feet from the preceding iron pin set; run thence northwesterly, as measured along the northeasterly right-of-way line of Newton Bridge road and following the curvature thereof an arc distance of 618.15 feet to an iron pin set, said arc being subtended by a chord situated north 15 degrees 08 minutes 38 seconds west a distance of 617.85 feet from the preceding iron pin set; run thence north 13 degrees 07 minutes 27 seconds west, as measured along the northeasterly right-of-way line of Newton Bridge Road, a distance of 166.10 feet to a concrete monument found; run thence north 83 degrees 09 minutes 49 seconds east, as measured along the southerly property line of property now or formerly owned by Westinghouse Corporation, a distance of 1,972.84 feet to a concrete monument found lying on the westerly right-of-way line of Southern Railroad (100 foot right-of-way); run thence south 15 degrees 26 minutes 24 seconds east, as measured along said westerly right-of-way line of Southern Railroad (100 foot right-of-way); run thence south 15 degrees 26 minutes 24 seconds east, as measured along said westerly right-of-way line of Southern Railroad (100 foot right-of-way), a distance of 50.54 feet to an iron pin found; run thence south 83 degrees 09 minutes 35 seconds west, is measured along the northerly property line of property now or formerly owned by Georgia Power Company, a distance of 967.04 feet to an iron pin found; run thence south 18 degrees 47 minutes 41 seconds east, as measured along a portion of the westerly property line of property now or formerly owned by Georgia Power Company, a distance of 998.21 feet to an iron pin found; run thence south 07 degrees 46 minutes 48 seconds east, as measured along a portion of the westerly property line of property now or formerly owned by Georgia Power Company, a distance of 468.66 feet to an iron pin found lying on the northerly right-of-way of Dairy Pak Road (50 foot right-of-way); run thence south 83 degrees 07 minutes 06 seconds west, as measured along said northerly right-of-way line of Dairy Pak Road (50 foot right-of-way) a distance of 677.42 feet to a concrete monument found and the TRUE POINT OF BEGINNING as per survey by J.R. Holland, Georgia Registered Land Surveyor Registration Number 1087, dated October 28, 1997, Job Number L-7314, for Fleet Capital Corporation, individually and as Agent, General Time Corporation, and First Chicago Equity Capital.

## EXHIBIT B

### EXISTING ENCUMBRANCES

1. Any ad valorem real property taxes owing to the taxing authorities of Athens, Clarke County, Georgia.
2. Easement from General Time Corp., to BellSouth Telecommunications, Inc., a Georgia corporation, dated April 20, 2001, filed for record April 30, 2001 at 2:01 p.m., recorded in Deed Book 2015, Page 118, Clarke County, Georgia, Records.
3. Easements in favor of Georgia Power Company as follows:
  - (a) Recorded at Deed Book 224, Page 212, Clarke County, Georgia, Records;
  - (b) Recorded at Deed Book 143, Page 189, Clarke County, Georgia, Records;
  - (c) Recorded at Deed Book 397, Page 201, Clarke County, Georgia, Records; and
  - (d) Recorded at Deed Book 416, Page 49, Clarke County, Georgia, Records.
4. License from General Time Corporation to A.P. Winston, dated May 16, 1955, recorded in Deed Book 148, Page 519, Clarke County, Georgia, Records.
5. Easements as contained in that certain Right-of-Way Deed from General Time Corporation to Clarke County, dated January 3, 1957, recorded at Deed Book 160, Page 613, Clarke County, Georgia, Records.
6. Storm Sewer Easement from General Time Corp. to The City of Athens, a/k/a The Mayor and Council of The City of Athens, dated July 31, 1990, filed for record August 16, 1990, recorded at Deed Book 1040, Page 74, Clarke County, Georgia, Records, as shown on the survey set forth at Item 15 below.
7. Affidavit as Notice of Agreement between The Unified Government of Athens-Clarke County, Georgia and property owner affecting real property and memorializing an easement arising by operation of law, made by David A. Casselman, filed for record February 11, 1997 at 3:39 p.m., recorded in Deed Book 1610, Page 389, Clarke County, Georgia, Records.
8. Survey entitled "Fleet Capital Corporation, Individually and as Agent, General Time Corporation and First Chicago Equity Capital", prepared by and stamped by J.R. Holland, Georgia Registered Land Survey No. 1087, dated October 28, 1997, which survey discloses the following:
  - (a) Chain link fence encroachment which crosses property on the northeast corner;
  - (b) Various power lines, power poles and power box located on property;
  - (c) Various fire hydrants, fire lines and fire line valves located on property;
  - (d) Flag pole located on property;
  - (e) 24 inch reinforced concrete pipe crossing the westerly boundary line of property;



- (f) Water Valve Pit located on property;
- (g) Various Gal Valves located on property;
- (h) Various Gas Meters located on property;
- (i) Drop Inlet located on property;
- (j) Various Yard Basins located on property;
- (k) Headwall located on property;
- (l) Various Storm Sewer Lines Located on property;
- (m) Manhole (sanitary) located on property;
- (n) Various Telephone boxes located on property;
- (o) Sludge Trap located on property; and
- (p) Reduce Pit located on property

## **APPENDIX C**

### **Historic Summary of VOC Concentrations in Groundwater**

**APPENDIX C**  
**HISTORIC SUMMARY OF VOC CONCENTRATIONS IN GROUNDWATER**  
**GENERAL TIME FACILITY**  
**ATHENS, GEORGIA**

Well	Screen Interval (ft bgs)	Date	TCE	trans-1,2 DCE	cis-1,2 DCE	1,1 DCE	1,1 DCA	1,1,1 TCA	1,1,2 TCA	PCE	CA	MeCl	VC	
MW-1S	4-14	Nov-96	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Dec-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
		Mar-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Nov-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Dec-11	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
MW-1I	19.5-24.5	Nov-96	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Dec-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
		Mar-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Nov-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Dec-11	<1	<1	<1	<1	<1	<1		<1	<1	<1	<1	<1
MW-2S	9.5-19.5	Nov-96	260	NA	NA	<5	<5	<5	<5	<5	<5	9	19	
		Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-07	1.7	<0.2	<0.2	<0.3	<0.2	<0.1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.3
		May-09	6	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1
		Mar-10	3.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Jun-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Sep-10	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Nov-10	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Aug-11	128	<1	48					<1				2.6
		Dec-11	3	<1	1	<1	<1			<1	<1		<1	<1
		Feb-12												
MW-2I	76-86	Nov-96	4200	NA	NA	8	<5	<5	<5	3-J	<5	8	2-J	
		Feb-98	26000	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<200
		Mar-00	18000	NA	NA	<1000	<1000	<1000	<1000	<1000	<1000	<2000	<1000	<400
		Aug-02	12000	NA	NA	<500	<500	<500	<500	<500	<1000	<500	<200	<200
		Mar-07	5613	<24	155	<26	<15	<12	<16	<23	<20	24.1	<28	
		May-09	8700	NA	403	NA	NA	NA	NA	NA	NA	NA	<100	
		Mar-10	8370	21.1	487	<100	<100	<100	<100	<100	<100	<100	<100	
		Jun-10	8800	<100	488	<100	<100	<100	<100	<100	<100	<100	<200	<100
		Sep-10	9900	<200	631	<200	<200	<200	<200	<200	<200	<400	<1000	<200
		Nov-10	8540	<100	659	<100	<100	<100	<100	<100	<100	<200	<500	<100
		Aug-11	10600	16	711					1.5				1.5
		Dec-11	11500	24	924	12	2		3	1		<2		1.3
		Feb-12	9430		813									

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**ATHENS, GEORGIA**

Well	Screen Interval (ft bgs)	Date	TCE	trans- 1,2 DCE	cis- 1,2 DCE	1,1 DCE	1,1 DCA	1,1,1 TCA	1,1,2 TCA	PCE	CA	MeCl	VC	
MW-2D	211-226	Feb-98	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		Mar-00	<5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		Mar-07	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		May-09	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		Mar-10	17	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Jun-10	1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Sep-10	2	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Nov-10	1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Aug-11	<1	<1	<1						1			<1
		Dec-11	1	<1	<1	<1	<1			<1	<1		<2	<1
		Feb-12												
MW-3I	89-99	Nov-96	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Dec-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
		Dec-11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-4I	53.5-63.5	Nov-96	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Dec-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
		Nov-10	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dec-11	2	<1	<1	<1	<1			<1	<1		<2	<1		
MW-5I	31.5-41.5	Nov-96	19	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	28	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	45	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Aug-02	110	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Dec-07	110	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
		Mar-10	73	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Jun-10	91	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Sep-10	89	<1	3	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Nov-10	98	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Dec-11	96	<1	3	<1	<1			<1	<1		<1	<1
Feb-12			2											
MW-6I	60.5-70.5	Nov-96	41	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	15	<5	5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	210	NA	NA	<10	<10	<10	<10	<10	<10	<20	<10	<4
		Aug-02	260	NA	NA	<10	<10	<10	<10	<10	<10	<20	<10	<4
		Dec-07	380	<5	80	<5	<5	<5	<5	<5	<5	<5	<5	<2
		May-09	493	NA	74.2	NA	NA	NA	NA	NA	NA	NA	NA	<5
		Nov-10	380	<5	60	<5	<5	<5	<5	<5	<5	<5	<5	<5
		Dec-11	438	<5	71	2	<1			<1	<1		<2	<1

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**ATHENS, GEORGIA**

Well	Screen Interval (ft bgs)	Date	TCE	trans- 1,2 DCE	cis- 1,2 DCE	1,1 DCE	1,1 DCA	1,1,1 TCA	1,1,2 TCA	PCE	CA	MeCl	VC	
MW-7I	26-36	Nov-96	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	9.7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	23	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Aug-02	14	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Dec-07	23	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
		May-09	15.5	NA	3	NA	NA	NA	NA	NA	NA	NA	NA	<1
		Mar-10	7	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Jun-10	5	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Sep-10	7	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Nov-10	4											
		Dec-11	2	<1	3	<1	<1		<1	<1	<1	<1	<2	<1
		Feb-12			2									
MW-8I	4.5-14.5	Nov-96	750	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	16	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Aug-02	<5	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Dec-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
		May-09	8.6	NA	<0.56	NA	NA	NA	NA	NA	NA	NA	NA	<1
		Nov-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
		Dec-11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<1	<1
MW-9I	44-54	Nov-96	590	NA	NA	<5	1-J	<5	<5	<5	<5	<5	<2	
		Feb-98	1400	<50	110	<50	<50	<50	<50	<50	<50	<50	<20	
		Mar-00	1700	NA	NA	<50	<50	<50	<50	<50	<100	<50	<20	
		Aug-02	1400	NA	NA	<50	<50	<50	<50	<50	<100	<50	<20	
		Dec-07	1900	<5	160	<5	<5	<5	<5	<5	<5	<5	<2	
		May-09	1710	NA	136	NA	NA	NA	NA	NA	NA	NA	<20	
		Mar-10	32	<1	3	<1	<1	<1	<1	<1	<1	<1	<1	
		Jun-10	1250	<1	111	4	2	<1	<1	1	<1	<1	<1	
		Sep-10	1690	<20	144	<20	<20	<20	<20	<20	<10	<100	<20	
		Nov-10	1540		122								<20	
		Dec-11	1110		113	4	1		<1	2		<2	<1	
		Feb-12	1070		92									
MW-9D	181-201	Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<5	<10	<5	<2
		Dec-07	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2
		May-09	<1	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1
		Mar-10	1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Jun-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Sep-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Nov-10	2	<2										<1
		Dec-11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	1
		Feb-12												1

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**ATHENS, GEORGIA**

Well	Screen Interval (ft bgs)	Date	TCE	trans- 1,2 DCE	cis- 1,2 DCE	1,1 DCE	1,1 DCA	1,1,1 TCA	1,1,2 TCA	PCE	CA	MeCl	VC	
MW-10I	55-65	Nov-96	4-J	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
MW-10I(R)	78.5-88.5	Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<10	<5	<2	
MW-10D	91.5-140.5	Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<10	<5	<2	
MW-11S	2.5-12.5	Nov-96	1700	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	400	<5	250	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	690	NA	NA	<25	<25	<25	<25	<25	<50	<25	12	
		Aug-02	300	NA	NA	<10	<10	<10	<10	<10	<20	<10	<4	
		Dec-07	860	<5	44	<5	<5	<5	<5	<5	<5	<5	<2	
		May-09	40	NA	7.6	NA	NA	NA	NA	NA	NA	NA	NA	<1
		Mar-10	64	<1	7	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Jun-10	52	<1	3	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Sep-10	369	<5	18	<5	<5	<5	<5	<5	<5	<5	<5	<5
		Nov-10	389	<5	21	<5	<5	<5	<5	<5	<5	<5	<5	<5
		Dec-11	356	<1	26	<1	<1			<1	<1		<2	1
		Feb-12	183		60									
MW-11I	21.5-31.5	Nov-96	1900	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Feb-98	1600	<20	57	<20	<20	<20	<20	<20	<20	<20	<20	<8
		Mar-00	2200	NA	NA	<100	<100	<100	<100	<100	<200	<100	<40	
		Aug-02	1400	NA	NA	<50	<50	<50	<50	<50	<100	<50	<20	
		Dec-07	1900	<5	88	<5	<5	<5	<5	<5	<5	<5	<2	
		May-09	1040	NA	45	NA	NA	NA	NA	NA	NA	NA	NA	<10
		Mar-10	747	<5	43	<5	<5	<5	<5	<5	<10	<10	<5	
		Jun-10	872	<10	37	<10	<10	<10	<10	<10	<20	<20	<10	
		Sep-10	798	<10	38	<10	<10	<10	<10	<10	<20	<20	<10	
		Nov-10	804	<10	42	<10	<10	<10	<10	<10	<20	<20	<10	
		Dec-11	766	<1	50	<1	<1			<1	<1		<2	1
		Feb-12	540		33									
MW-11D	181.5-200	Feb-98	290	<5	22	<5	<5	<5	<5	<5	<5	<5	<2	
		Apr-00	43	NA	NA	<5	<5	<5	<5	<5	<10	<5	<2	
		May-09	<1	NA	<1	NA	NA	NA	NA	NA	NA	NA	NA	<1
		Mar-10	<1	<1	8	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Jun-10	<1	<1	9	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Sep-10	<1	<1	9	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Nov-10	<1	<1	8	<1	<1	<1	<1	<1	<1	<2	<2	<1
		Dec-11	<1	<1	8	<1	<1	<1	<1	<1	<1	<2	<2	<1
Feb-12			8											

**APPENDIX C**  
**HISTORIC SUMMARY OF VOC CONCENTRATIONS IN GROUNDWATER**  
**GENERAL TIME FACILITY**  
**ATHENS, GEORGIA**

Well	Screen Interval (ft bgs)	Date	TCE	trans- 1,2 DCE	cis- 1,2 DCE	1,1 DCE	1,1 DCA	1,1,1 TCA	1,1,2 TCA	PCE	CA	MeCl	VC	
MW-12I	15-25	Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<2	
		Dec-07												
		Mar-10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	<2	<1
MW-12D	45-77	Feb-98	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<2	
		Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<5	<5	<5	<2
MW-13I	84.3-94.3	Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<10	<5	<2	
MW-14I	32.7-42.7	Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<10	<5	<2	
		Dec-11	<1	<1	<1	<1	<1	<1		<1	<10	<2	<1	
MW-14D	53-95.35	Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<10	<5	<2	
		Dec-11	<1	<1	<1	<1	<1	<1		<1	<10	<2	<1	
MW-15I	7-17	Mar-00	<5	NA	NA	<5	<5	<5	<5	<5	<10	<5	<2	
RW-1		Apr-00	1500	NA	NA	<200	<200	<200	<200	<200	<400	<200	620	
		Aug-02	930	NA	NA	<50	<50	<50	<50	<50	<100	<50	37	
		Dec-07	810	<5	90	<5	<5	<5	<5	<5	<5	<5	<2	
		May-09	98.3	NA	19.1	NA	NA	NA	NA	NA	NA	NA	1.2	
		Mar-10	10	<5	503	<5	<5	<5	<5	<5	<10	<10	144	
		Jun-10	31	<5	291	<5	<5	<5	<5	<5	<10	<10	85	
		Sep-10	1550	<5	824	<5	<5	<5	<5	<5	<10	<10	72	
		Nov-10	643										51	
		Aug-11	188	<1	198						<1			37
		Dec-11	987	<1	404	<1	<1	<1			<1	<2		10
		Feb-12	2390		748									35
RW-2		May-09	52.7	NA	2.8	NA	NA	NA	NA	NA	NA	NA	<1	
		Mar-10	37	<1	8	<1	<1	<1	<1	<1	<2	<2	<1	
		Jun-10	29	<1	2	<1	<1	<1	<1	<1	<2	<2	<1	
		Sep-10	40	<1	3	<1	<1	<1	<1	<1	<2	<2	<1	
		Nov-10	41										1	
		Aug-11	36	3	<1						<1			
		Dec-11	40	<1	<1	<1	<1		<1	<1		<2	<1	
Feb-12	39		3											
RW-3		Aug-11	655	8220	24					2			178	
		Dec-11	13100	30	678	51	7		5	<1	24		2	
		Feb-12	16300	768										

**APPENDIX C**  
**HISTORIC SUMMARY OF VOC CONCENTRATIONS IN GROUNDWATER**  
**GENERAL TIME FACILITY**  
**ATHENS, GEORGIA**

Well	Screen Interval (ft bgs)	Date	TCE	trans- 1,2 DCE	cis- 1,2 DCE	1,1 DCE	1,1 DCA	1,1,1 TCA	1,1,2 TCA	PCE	CA	MeCl	VC
RW-4		Aug-11	<1	92	6					<2			<2
		Dec-11	12	<1	<1	<1	<1		<1	<1		<1	<1
		Feb-12	7										
16I		Aug-11	19700	24	8220					2			178
		Dec-11	17800	126	7360	12	3		9	2		5	109
		Feb-12	19700		10600								164
16D		Aug-11	91	<1	27					<1			<1
		Dec-11	114	<1	34	<1	<1		<1	<1		<1	<1
		Feb-12	96	29									

trans -1,2-DCE = Trans-1,2-Dichloroethene

cis 1,2-DCE = cis-1,2-Dichloroethene

Total 1,2-DCE = total 1,2-Dichloroethene

1,1-DCE = 1,1-Dichloroethene

1,1-DCA = 1,1-Dichloroethane

1,1,1-TCA = 1,1,1-Trichloroethane

1,1,2-TCA = 1,1,2-Trichloroethane

PCE = Tetrachloroethane

CA = Chloromethane

MeCl = Methylene Chloride

VC = Vinyl Chloride

ft bgs = Feet Below Ground Surface.

Well depth information from Table 3.6 Summary of Well Construction Data, prepared by Arcadis - Geraghty & Miller.

March 2010 data is preliminary laboratory analytical (ND results). Adjustments to table will be made once data is final.



January 13, 2012

Ms. Britney Barnes  
Haley & Aldrich  
33 Market Point Drive  
Greenville, SC 29607

RE: Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

Dear Ms. Barnes:

Enclosed are the analytical results for sample(s) received by the laboratory on December 21, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,



Bonnie McKee

bonnie.mckee@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414  
 A2LA Certification #: 2926.01  
 Alaska Certification #: UST-078  
 Alaska Certification #MN00064  
 Arizona Certification #: AZ-0014  
 Arkansas Certification #: 88-0680  
 California Certification #: 01155CA  
 EPA Region 8 Certification #: Pace  
 Florida/NELAP Certification #: E87605  
 Georgia Certification #: 959  
 Idaho Certification #: MN00064  
 Illinois Certification #: 200011  
 Iowa Certification #: 368  
 Kansas Certification #: E-10167  
 Louisiana Certification #: 03086  
 Louisiana Certification #: LA080009  
 Maine Certification #: 2007029  
 Maryland Certification #: 322  
 Michigan DEQ Certification #: 9909  
 Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace  
 Montana Certification #: MT CERT0092  
 Nebraska Certification #: Pace  
 Nevada Certification #: MN\_00064  
 New Jersey Certification #: MN-002  
 New Mexico Certification #: Pace  
 New York Certification #: 11647  
 North Carolina Certification #: 530  
 North Dakota Certification #: R-036  
 North Dakota Certification #: R-036A  
 Ohio VAP Certification #: CL101  
 Oklahoma Certification #: D9921  
 Oklahoma Certification #: 9507  
 Oregon Certification #: MN200001  
 Pennsylvania Certification #: 68-00563  
 Puerto Rico Certification  
 Tennessee Certification #: 02818  
 Texas Certification #: T104704192  
 Washington Certification #: C754  
 Wisconsin Certification #: 999407970

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
 North Carolina Drinking Water Certification #: 37706  
 North Carolina Field Services Certification #: 5342  
 North Carolina Wastewater Certification #: 12  
 South Carolina Certification #: 99006001  
 South Carolina Drinking Water Cert. #: 99006003  
 Virginia Drinking Water Certification #: 00213

Connecticut Certification #: PH-0104  
 Florida/NELAP Certification #: E87627  
 Kentucky UST Certification #: 84  
 Louisiana DHH Drinking Water # LA 100031  
 West Virginia Certification #: 357  
 Virginia/VELAP Certification #: 460144

### Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804  
 Florida/NELAP Certification #: E87648  
 Massachusetts Certification #: M-NC030  
 North Carolina Drinking Water Certification #: 37712  
 North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001  
 Virginia Certification #: 00072  
 West Virginia Certification #: 356  
 Virginia/VELAP Certification #: 460147

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### SAMPLE ANALYTE COUNT

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92108905001	RW1	EPA 8260	KJM	63	PASI-C
92108905002	RW2	EPA 8260	KJM	63	PASI-C
92108905003	RW4	EPA 8260	KJM	63	PASI-C
92108905004	RW3	EPA 8260	KJM	63	PASI-C
92108905005	MW6I	EPA 8260	KJM	63	PASI-C
92108905006	MW14I	RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
92108905007	MW11S	SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
92108905008	MW11I	SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
92108905009	TRIP BLANK	EPA 8260	KJM	63	PASI-C
		EPA 353.2	DMN	3	PASI-A
92108905010	MW-14D	SM 5310B	SAJ	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A

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### SAMPLE ANALYTE COUNT

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 5310B	SAJ	1	PASI-A

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: RW1	Lab ID: 92108905001	Collected: 12/19/11 12:34	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/27/11 23:22	67-64-1	
Benzene	ND ug/L		1.0	1		12/27/11 23:22	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/27/11 23:22	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/27/11 23:22	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/27/11 23:22	75-27-4	
Bromoform	ND ug/L		1.0	1		12/27/11 23:22	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/27/11 23:22	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/27/11 23:22	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/27/11 23:22	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/27/11 23:22	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/27/11 23:22	75-00-3	
Chloroform	1.5 ug/L		1.0	1		12/27/11 23:22	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/27/11 23:22	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/27/11 23:22	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/27/11 23:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/27/11 23:22	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/27/11 23:22	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/27/11 23:22	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/27/11 23:22	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/27/11 23:22	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/27/11 23:22	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/27/11 23:22	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/27/11 23:22	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/27/11 23:22	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/27/11 23:22	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/27/11 23:22	75-35-4	
cis-1,2-Dichloroethene	404 ug/L		10.0	10		12/28/11 13:20	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/27/11 23:22	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/27/11 23:22	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/27/11 23:22	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/27/11 23:22	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/27/11 23:22	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/27/11 23:22	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/27/11 23:22	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/27/11 23:22	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/27/11 23:22	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/27/11 23:22	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/27/11 23:22	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/27/11 23:22	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/27/11 23:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/27/11 23:22	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/27/11 23:22	1634-04-4	
Naphthalene	ND ug/L		1.0	1		12/27/11 23:22	91-20-3	
Styrene	ND ug/L		1.0	1		12/27/11 23:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/27/11 23:22	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/27/11 23:22	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/27/11 23:22	127-18-4	

Date: 01/13/2012 10:13 AM

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: RW1	Lab ID: 92108905001	Collected: 12/19/11 12:34	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND	ug/L	1.0	1		12/27/11 23:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/27/11 23:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/27/11 23:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/27/11 23:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/27/11 23:22	79-00-5	
Trichloroethene	<b>987</b>	ug/L	10.0	10		12/28/11 13:20	79-01-6	
Trichlorofluoromethane	<b>3.3</b>	ug/L	1.0	1		12/27/11 23:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/27/11 23:22	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/27/11 23:22	108-05-4	
Vinyl chloride	<b>9.6</b>	ug/L	1.0	1		12/27/11 23:22	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/27/11 23:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/27/11 23:22	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		12/27/11 23:22	460-00-4	
Dibromofluoromethane (S)	96 %		70-130	1		12/27/11 23:22	1868-53-7	
1,2-Dichloroethane-d4 (S)	92 %		70-130	1		12/27/11 23:22	17060-07-0	
Toluene-d8 (S)	106 %		70-130	1		12/27/11 23:22	2037-26-5	



### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: RW2	Lab ID: 92108905002	Collected: 12/19/11 13:36	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/27/11 23:47	67-64-1	
Benzene	ND ug/L		1.0	1		12/27/11 23:47	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/27/11 23:47	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/27/11 23:47	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/27/11 23:47	75-27-4	
Bromoform	ND ug/L		1.0	1		12/27/11 23:47	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/27/11 23:47	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/27/11 23:47	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/27/11 23:47	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/27/11 23:47	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/27/11 23:47	75-00-3	
Chloroform	1.9 ug/L		1.0	1		12/27/11 23:47	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/27/11 23:47	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/27/11 23:47	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/27/11 23:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/27/11 23:47	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/27/11 23:47	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/27/11 23:47	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/27/11 23:47	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/27/11 23:47	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/27/11 23:47	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/27/11 23:47	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/27/11 23:47	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/27/11 23:47	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/27/11 23:47	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/27/11 23:47	75-35-4	
cis-1,2-Dichloroethene	3.0 ug/L		1.0	1		12/27/11 23:47	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/27/11 23:47	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/27/11 23:47	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/27/11 23:47	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/27/11 23:47	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/27/11 23:47	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/27/11 23:47	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/27/11 23:47	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/27/11 23:47	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/27/11 23:47	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/27/11 23:47	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/27/11 23:47	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/27/11 23:47	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/27/11 23:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/27/11 23:47	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/27/11 23:47	1634-04-4	
Naphthalene	ND ug/L		1.0	1		12/27/11 23:47	91-20-3	
Styrene	ND ug/L		1.0	1		12/27/11 23:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/27/11 23:47	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/27/11 23:47	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/27/11 23:47	127-18-4	



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### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: RW2	Lab ID: 92108905002	Collected: 12/19/11 13:36	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260							
Toluene	ND	ug/L	1.0	1		12/27/11 23:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/27/11 23:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/27/11 23:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/27/11 23:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/27/11 23:47	79-00-5	
Trichloroethene	39.8	ug/L	1.0	1		12/27/11 23:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/27/11 23:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/27/11 23:47	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/27/11 23:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/27/11 23:47	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/27/11 23:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/27/11 23:47	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97 %		70-130	1		12/27/11 23:47	460-00-4	
Dibromofluoromethane (S)	103 %		70-130	1		12/27/11 23:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	94 %		70-130	1		12/27/11 23:47	17060-07-0	
Toluene-d8 (S)	96 %		70-130	1		12/27/11 23:47	2037-26-5	



## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: RW4		Lab ID: 92108905003	Collected: 12/19/11 14:38	Received: 12/21/11 10:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	25.0	1		12/28/11 00:12	67-64-1	
Benzene	ND	ug/L	1.0	1		12/28/11 00:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/28/11 00:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/28/11 00:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/28/11 00:12	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/28/11 00:12	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/28/11 00:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/28/11 00:12	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		12/28/11 00:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/28/11 00:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/28/11 00:12	75-00-3	
Chloroform	2.1	ug/L	1.0	1		12/28/11 00:12	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/28/11 00:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/28/11 00:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/28/11 00:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/28/11 00:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/28/11 00:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/28/11 00:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/28/11 00:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 00:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 00:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 00:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/28/11 00:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/28/11 00:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/28/11 00:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/28/11 00:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/28/11 00:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/28/11 00:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/28/11 00:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/28/11 00:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/28/11 00:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/28/11 00:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/28/11 00:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/28/11 00:12	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		12/28/11 00:12	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		12/28/11 00:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/28/11 00:12	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		12/28/11 00:12	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/28/11 00:12	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		12/28/11 00:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/28/11 00:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/28/11 00:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		12/28/11 00:12	91-20-3	
Styrene	ND	ug/L	1.0	1		12/28/11 00:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/28/11 00:12	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/28/11 00:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/28/11 00:12	127-18-4	

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### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: RW4	Lab ID: 92108905003	Collected: 12/19/11 14:38	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260							
Toluene	ND	ug/L	1.0	1		12/28/11 00:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/28/11 00:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/28/11 00:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/28/11 00:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/28/11 00:12	79-00-5	
Trichloroethene	11.8	ug/L	1.0	1		12/28/11 00:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/28/11 00:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/28/11 00:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/28/11 00:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/28/11 00:12	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/28/11 00:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/28/11 00:12	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		12/28/11 00:12	460-00-4	
Dibromofluoromethane (S)	105 %		70-130	1		12/28/11 00:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	95 %		70-130	1		12/28/11 00:12	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		12/28/11 00:12	2037-26-5	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: RW3	Lab ID: 92108905004	Collected: 12/19/11 15:33	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	25.0	1		12/28/11 00:38	67-64-1	
Benzene	3.0	ug/L	1.0	1		12/28/11 00:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/28/11 00:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/28/11 00:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/28/11 00:38	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/28/11 00:38	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/28/11 00:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/28/11 00:38	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		12/28/11 00:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/28/11 00:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/28/11 00:38	75-00-3	
Chloroform	4.6	ug/L	1.0	1		12/28/11 00:38	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/28/11 00:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/28/11 00:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/28/11 00:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/28/11 00:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/28/11 00:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/28/11 00:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/28/11 00:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 00:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 00:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 00:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/28/11 00:38	75-71-8	
1,1-Dichloroethane	6.5	ug/L	1.0	1		12/28/11 00:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/28/11 00:38	107-06-2	
1,1-Dichloroethene	50.5	ug/L	1.0	1		12/28/11 00:38	75-35-4	
cis-1,2-Dichloroethene	678	ug/L	200	200		12/28/11 13:46	156-59-2	
trans-1,2-Dichloroethene	29.2	ug/L	1.0	1		12/28/11 00:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/28/11 00:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/28/11 00:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/28/11 00:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/28/11 00:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/28/11 00:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/28/11 00:38	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		12/28/11 00:38	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		12/28/11 00:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/28/11 00:38	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		12/28/11 00:38	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/28/11 00:38	99-87-6	
Methylene Chloride	23.6	ug/L	2.0	1		12/28/11 00:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/28/11 00:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/28/11 00:38	1634-04-4	
Naphthalene	1.1	ug/L	1.0	1		12/28/11 00:38	91-20-3	
Styrene	ND	ug/L	1.0	1		12/28/11 00:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/28/11 00:38	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/28/11 00:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/28/11 00:38	127-18-4	

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### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: RW3	Lab ID: 92108905004	Collected: 12/19/11 15:33	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260							
Toluene	2.8 ug/L		1.0	1		12/28/11 00:38	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/28/11 00:38	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/28/11 00:38	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/28/11 00:38	71-55-6	
1,1,2-Trichloroethane	4.5 ug/L		1.0	1		12/28/11 00:38	79-00-5	
Trichloroethene	13100 ug/L		200	200		12/28/11 13:46	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/28/11 00:38	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/28/11 00:38	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/28/11 00:38	108-05-4	
Vinyl chloride	2.1 ug/L		1.0	1		12/28/11 00:38	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/28/11 00:38	179601-23-1	
o-Xylene	5.0 ug/L		1.0	1		12/28/11 00:38	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		12/28/11 00:38	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		12/28/11 00:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	97 %		70-130	1		12/28/11 00:38	17060-07-0	
Toluene-d8 (S)	175 %		70-130	1		12/28/11 00:38	2037-26-5	S5

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: MW6I	Lab ID: 92108905005	Collected: 12/19/11 17:06	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	25.0	1		12/28/11 01:03	67-64-1	
Benzene	ND	ug/L	1.0	1		12/28/11 01:03	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/28/11 01:03	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/28/11 01:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/28/11 01:03	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/28/11 01:03	75-25-2	
Bromomethane	ND	ug/L	2.0	1		12/28/11 01:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		12/28/11 01:03	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		12/28/11 01:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/28/11 01:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/28/11 01:03	75-00-3	
Chloroform	1.7	ug/L	1.0	1		12/28/11 01:03	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/28/11 01:03	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/28/11 01:03	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/28/11 01:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		12/28/11 01:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/28/11 01:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/28/11 01:03	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		12/28/11 01:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 01:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 01:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/28/11 01:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/28/11 01:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/28/11 01:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/28/11 01:03	107-06-2	
1,1-Dichloroethene	1.6	ug/L	1.0	1		12/28/11 01:03	75-35-4	
cis-1,2-Dichloroethene	70.6	ug/L	1.0	1		12/28/11 01:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/28/11 01:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/28/11 01:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/28/11 01:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/28/11 01:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/28/11 01:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/28/11 01:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/28/11 01:03	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		12/28/11 01:03	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		12/28/11 01:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/28/11 01:03	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		12/28/11 01:03	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/28/11 01:03	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		12/28/11 01:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/28/11 01:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/28/11 01:03	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		12/28/11 01:03	91-20-3	
Styrene	ND	ug/L	1.0	1		12/28/11 01:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/28/11 01:03	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/28/11 01:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/28/11 01:03	127-18-4	



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### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: MW6I	Lab ID: 92108905005	Collected: 12/19/11 17:06	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND	ug/L	1.0	1		12/28/11 01:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/28/11 01:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/28/11 01:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/28/11 01:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/28/11 01:03	79-00-5	
Trichloroethene	438	ug/L	4.0	4		12/30/11 12:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/28/11 01:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		12/28/11 01:03	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		12/28/11 01:03	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		12/28/11 01:03	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		12/28/11 01:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		12/28/11 01:03	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		12/28/11 01:03	460-00-4	
Dibromofluoromethane (S)	103 %		70-130	1		12/28/11 01:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	95 %		70-130	1		12/28/11 01:03	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		12/28/11 01:03	2037-26-5	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: MW141	Lab ID: 92108905006	Collected: 12/20/11 10:04	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/23/11 11:16	74-84-0	
Ethene	ND ug/L		10.0	1		12/23/11 11:16	74-85-1	
Methane	<b>30.0</b> ug/L		10.0	1		12/23/11 11:16	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/28/11 20:33	67-64-1	
Benzene	ND ug/L		1.0	1		12/28/11 20:33	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/28/11 20:33	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/28/11 20:33	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/28/11 20:33	75-27-4	
Bromoform	ND ug/L		1.0	1		12/28/11 20:33	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/28/11 20:33	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/28/11 20:33	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/28/11 20:33	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/28/11 20:33	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/28/11 20:33	75-00-3	
Chloroform	ND ug/L		1.0	1		12/28/11 20:33	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/28/11 20:33	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/28/11 20:33	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/28/11 20:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/28/11 20:33	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/28/11 20:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/28/11 20:33	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/28/11 20:33	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/28/11 20:33	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/28/11 20:33	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/28/11 20:33	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/28/11 20:33	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/28/11 20:33	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/28/11 20:33	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/28/11 20:33	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		12/28/11 20:33	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/28/11 20:33	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/28/11 20:33	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/28/11 20:33	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/28/11 20:33	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/28/11 20:33	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/28/11 20:33	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/28/11 20:33	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/28/11 20:33	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/28/11 20:33	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/28/11 20:33	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/28/11 20:33	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/28/11 20:33	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/28/11 20:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/28/11 20:33	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/28/11 20:33	1634-04-4	



### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: MW141	Lab ID: 92108905006	Collected: 12/20/11 10:04	Received: 12/21/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/28/11 20:33	91-20-3	
Styrene	ND ug/L		1.0	1		12/28/11 20:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/28/11 20:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/28/11 20:33	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/28/11 20:33	127-18-4	
Toluene	ND ug/L		1.0	1		12/28/11 20:33	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/28/11 20:33	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/28/11 20:33	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/28/11 20:33	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/28/11 20:33	79-00-5	
Trichloroethene	ND ug/L		1.0	1		12/28/11 20:33	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/28/11 20:33	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/28/11 20:33	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/28/11 20:33	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/28/11 20:33	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/28/11 20:33	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/28/11 20:33	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94 %		70-130	1		12/28/11 20:33	460-00-4	
Dibromofluoromethane (S)	110 %		70-130	1		12/28/11 20:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	108 %		70-130	1		12/28/11 20:33	17060-07-0	
Toluene-d8 (S)	93 %		70-130	1		12/28/11 20:33	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	26.0 mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:13		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 11:00	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		12/23/11 21:10	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	ND mg/L		0.20	1		12/21/11 22:35		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/21/11 22:35		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		12/21/11 22:35		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	1.5 mg/L		1.0	1		12/30/11 15:58	7440-44-0	



## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: MW11S	Lab ID: 92108905007	Collected: 12/20/11 14:14	Received: 12/21/11 13:16	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/23/11 12:09	74-84-0	
Ethene	ND ug/L		10.0	1		12/23/11 12:09	74-85-1	
Methane	ND ug/L		10.0	1		12/23/11 12:09	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/29/11 07:49	67-64-1	
Benzene	ND ug/L		1.0	1		12/29/11 07:49	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/29/11 07:49	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/29/11 07:49	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/29/11 07:49	75-27-4	
Bromoform	ND ug/L		1.0	1		12/29/11 07:49	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/29/11 07:49	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/29/11 07:49	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/29/11 07:49	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/29/11 07:49	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/29/11 07:49	75-00-3	
Chloroform	ND ug/L		1.0	1		12/29/11 07:49	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/29/11 07:49	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/29/11 07:49	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/29/11 07:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/29/11 07:49	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/29/11 07:49	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/29/11 07:49	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/29/11 07:49	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 07:49	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 07:49	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 07:49	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/29/11 07:49	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/29/11 07:49	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/29/11 07:49	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/29/11 07:49	75-35-4	
cis-1,2-Dichloroethene	26.7 ug/L		1.0	1		12/29/11 07:49	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/29/11 07:49	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/29/11 07:49	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/29/11 07:49	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/29/11 07:49	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/29/11 07:49	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/29/11 07:49	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/29/11 07:49	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/29/11 07:49	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/29/11 07:49	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/29/11 07:49	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/29/11 07:49	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/29/11 07:49	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/29/11 07:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/29/11 07:49	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/29/11 07:49	1634-04-4	



### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: MW11S	Lab ID: 92108905007	Collected: 12/20/11 14:14	Received: 12/21/11 13:16	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/29/11 07:49	91-20-3	
Styrene	ND ug/L		1.0	1		12/29/11 07:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/29/11 07:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/29/11 07:49	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/29/11 07:49	127-18-4	
Toluene	ND ug/L		1.0	1		12/29/11 07:49	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/29/11 07:49	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/29/11 07:49	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/29/11 07:49	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/29/11 07:49	79-00-5	
Trichloroethene	356 ug/L		5.0	5		12/30/11 22:43	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/29/11 07:49	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/29/11 07:49	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/29/11 07:49	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/29/11 07:49	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/29/11 07:49	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/29/11 07:49	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	93 %		70-130	1		12/29/11 07:49	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		12/29/11 07:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	106 %		70-130	1		12/29/11 07:49	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		12/29/11 07:49	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	6.5 mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:18		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 11:00	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		12/28/11 18:49	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	0.48 mg/L		0.20	1		12/21/11 22:49		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/21/11 22:49		
Nitrogen, NO2 plus NO3	0.48 mg/L		0.20	1		12/21/11 22:49		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	2.0 mg/L		1.0	1		12/30/11 16:07	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: MW111	Lab ID: 92108905008	Collected: 12/20/11 15:34	Received: 12/21/11 13:16	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/23/11 12:30	74-84-0	
Ethene	ND ug/L		10.0	1		12/23/11 12:30	74-85-1	
Methane	ND ug/L		10.0	1		12/23/11 12:30	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/29/11 08:13	67-64-1	
Benzene	ND ug/L		1.0	1		12/29/11 08:13	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/29/11 08:13	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/29/11 08:13	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/29/11 08:13	75-27-4	
Bromoform	ND ug/L		1.0	1		12/29/11 08:13	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/29/11 08:13	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/29/11 08:13	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/29/11 08:13	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/29/11 08:13	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/29/11 08:13	75-00-3	
Chloroform	ND ug/L		1.0	1		12/29/11 08:13	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/29/11 08:13	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/29/11 08:13	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/29/11 08:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/29/11 08:13	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/29/11 08:13	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/29/11 08:13	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/29/11 08:13	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 08:13	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 08:13	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 08:13	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/29/11 08:13	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/29/11 08:13	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/29/11 08:13	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/29/11 08:13	75-35-4	
cis-1,2-Dichloroethene	50.0 ug/L		1.0	1		12/29/11 08:13	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/29/11 08:13	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/29/11 08:13	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/29/11 08:13	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/29/11 08:13	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/29/11 08:13	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/29/11 08:13	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/29/11 08:13	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/29/11 08:13	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/29/11 08:13	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/29/11 08:13	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/29/11 08:13	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/29/11 08:13	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/29/11 08:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/29/11 08:13	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/29/11 08:13	1634-04-4	



### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: MW111	Lab ID: 92108905008	Collected: 12/20/11 15:34	Received: 12/21/11 13:16	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/29/11 08:13	91-20-3	
Styrene	ND ug/L		1.0	1		12/29/11 08:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/29/11 08:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/29/11 08:13	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/29/11 08:13	127-18-4	
Toluene	ND ug/L		1.0	1		12/29/11 08:13	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/29/11 08:13	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/29/11 08:13	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/29/11 08:13	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/29/11 08:13	79-00-5	
Trichloroethene	<b>766</b> ug/L		10.0	10		12/30/11 23:08	79-01-6	
Trichlorofluoromethane	<b>1.4</b> ug/L		1.0	1		12/29/11 08:13	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/29/11 08:13	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/29/11 08:13	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/29/11 08:13	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/29/11 08:13	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/29/11 08:13	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99 %		70-130	1		12/29/11 08:13	460-00-4	
Dibromofluoromethane (S)	104 %		70-130	1		12/29/11 08:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	103 %		70-130	1		12/29/11 08:13	17060-07-0	
Toluene-d8 (S)	96 %		70-130	1		12/29/11 08:13	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	<b>37.9</b> mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:18		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 11:00	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		12/28/11 19:03	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	<b>0.88</b> mg/L		0.20	1		12/21/11 23:02		M1
Nitrogen, Nitrite	ND mg/L		0.10	1		12/21/11 23:02		
Nitrogen, NO2 plus NO3	<b>0.88</b> mg/L		0.20	1		12/21/11 23:02		M1
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	<b>1.8</b> mg/L		1.0	1		12/30/11 16:17	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: TRIP BLANK	Lab ID: 92108905009	Collected: 12/20/11 00:00	Received: 12/21/11 13:16	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		25.0	1		12/28/11 23:19	67-64-1	pH
Benzene	ND ug/L		1.0	1		12/28/11 23:19	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/28/11 23:19	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/28/11 23:19	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/28/11 23:19	75-27-4	
Bromoform	ND ug/L		1.0	1		12/28/11 23:19	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/28/11 23:19	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/28/11 23:19	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/28/11 23:19	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/28/11 23:19	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/28/11 23:19	75-00-3	
Chloroform	ND ug/L		1.0	1		12/28/11 23:19	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/28/11 23:19	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/28/11 23:19	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/28/11 23:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/28/11 23:19	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/28/11 23:19	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/28/11 23:19	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/28/11 23:19	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/28/11 23:19	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/28/11 23:19	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/28/11 23:19	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/28/11 23:19	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/28/11 23:19	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/28/11 23:19	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/28/11 23:19	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		12/28/11 23:19	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/28/11 23:19	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/28/11 23:19	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/28/11 23:19	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/28/11 23:19	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/28/11 23:19	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/28/11 23:19	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/28/11 23:19	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/28/11 23:19	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/28/11 23:19	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/28/11 23:19	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/28/11 23:19	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/28/11 23:19	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/28/11 23:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/28/11 23:19	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/28/11 23:19	1634-04-4	
Naphthalene	ND ug/L		1.0	1		12/28/11 23:19	91-20-3	
Styrene	ND ug/L		1.0	1		12/28/11 23:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/28/11 23:19	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/28/11 23:19	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/28/11 23:19	127-18-4	

Date: 01/13/2012 10:13 AM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: TRIP BLANK	Lab ID: 92108905009	Collected: 12/20/11 00:00	Received: 12/21/11 13:16	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND ug/L		1.0	1		12/28/11 23:19	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/28/11 23:19	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/28/11 23:19	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/28/11 23:19	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/28/11 23:19	79-00-5	
Trichloroethene	ND ug/L		1.0	1		12/28/11 23:19	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/28/11 23:19	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/28/11 23:19	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/28/11 23:19	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/28/11 23:19	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/28/11 23:19	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/28/11 23:19	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97 %		70-130	1		12/28/11 23:19	460-00-4	
Dibromofluoromethane (S)	103 %		70-130	1		12/28/11 23:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	108 %		70-130	1		12/28/11 23:19	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		12/28/11 23:19	2037-26-5	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

Sample: MW-14D	Lab ID: 92108905010	Collected: 12/20/11 11:57	Received: 12/21/11 13:16	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/23/11 12:41	74-84-0	
Ethene	ND ug/L		10.0	1		12/23/11 12:41	74-85-1	
Methane	ND ug/L		10.0	1		12/23/11 12:41	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/29/11 08:38	67-64-1	
Benzene	ND ug/L		1.0	1		12/29/11 08:38	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/29/11 08:38	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/29/11 08:38	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/29/11 08:38	75-27-4	
Bromoform	ND ug/L		1.0	1		12/29/11 08:38	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/29/11 08:38	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/29/11 08:38	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/29/11 08:38	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/29/11 08:38	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/29/11 08:38	75-00-3	
Chloroform	ND ug/L		1.0	1		12/29/11 08:38	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/29/11 08:38	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/29/11 08:38	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/29/11 08:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/29/11 08:38	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/29/11 08:38	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/29/11 08:38	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/29/11 08:38	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 08:38	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 08:38	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 08:38	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/29/11 08:38	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/29/11 08:38	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/29/11 08:38	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/29/11 08:38	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		12/29/11 08:38	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/29/11 08:38	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/29/11 08:38	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/29/11 08:38	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/29/11 08:38	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/29/11 08:38	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/29/11 08:38	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/29/11 08:38	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/29/11 08:38	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/29/11 08:38	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/29/11 08:38	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/29/11 08:38	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/29/11 08:38	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/29/11 08:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/29/11 08:38	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/29/11 08:38	1634-04-4	



### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Sample: MW-14D	Lab ID: 92108905010	Collected: 12/20/11 11:57	Received: 12/21/11 13:16	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/29/11 08:38	91-20-3	
Styrene	ND ug/L		1.0	1		12/29/11 08:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/29/11 08:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/29/11 08:38	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/29/11 08:38	127-18-4	
Toluene	ND ug/L		1.0	1		12/29/11 08:38	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/29/11 08:38	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/29/11 08:38	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/29/11 08:38	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/29/11 08:38	79-00-5	
Trichloroethene	ND ug/L		1.0	1		12/29/11 08:38	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/29/11 08:38	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/29/11 08:38	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/29/11 08:38	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/29/11 08:38	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/29/11 08:38	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/29/11 08:38	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		12/29/11 08:38	460-00-4	
Dibromofluoromethane (S)	109 %		70-130	1		12/29/11 08:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	107 %		70-130	1		12/29/11 08:38	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		12/29/11 08:38	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	51.3 mg/L		5.0	1		01/12/12 11:20		H1
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:15		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 11:00	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		12/28/11 19:16	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	ND mg/L		0.20	1		12/21/11 22:36		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/21/11 22:36		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		12/21/11 22:36		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	1.5 mg/L		1.0	1		12/30/11 16:31	7440-44-0	



### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

QC Batch: AIR/13902 Analysis Method: RSK 175  
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE  
Associated Lab Samples: 92108905006, 92108905007, 92108905008, 92108905010

METHOD BLANK: 1120389 Matrix: Water  
Associated Lab Samples: 92108905006, 92108905007, 92108905008, 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	10.0	12/23/11 08:25	
Ethene	ug/L	ND	10.0	12/23/11 08:25	
Methane	ug/L	ND	10.0	12/23/11 08:25	

LABORATORY CONTROL SAMPLE & LCSD: 1120390

1120391

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	120	121	106	106	70-130	.6	30	
Ethene	ug/L	106	112	113	106	106	70-130	.7	30	
Methane	ug/L	60.7	63.4	67.7	105	112	70-130	7	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1121207

1121208

Parameter	Units	10179168003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Ethane	ug/L	28.1	94.8	98.9	140	140	118	114	30-150	.4	
Ethene	ug/L	ND	88.4	92.3	91.9	94.6	104	103	30-150	3	
Methane	ug/L	46.0	50.5	52.7	63100	61800	33900	30000	30-150	2	E,M0,P6

SAMPLE DUPLICATE: 1121211

Parameter	Units	92108905007 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

QC Batch: MSV/17747 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
Associated Lab Samples: 92108905001, 92108905002, 92108905003, 92108905004, 92108905005

METHOD BLANK: 704120 Matrix: Water

Associated Lab Samples: 92108905001, 92108905002, 92108905003, 92108905004, 92108905005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/27/11 21:14	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/27/11 21:14	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/27/11 21:14	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/27/11 21:14	
1,1-Dichloroethane	ug/L	ND	1.0	12/27/11 21:14	
1,1-Dichloroethene	ug/L	ND	1.0	12/27/11 21:14	
1,1-Dichloropropene	ug/L	ND	1.0	12/27/11 21:14	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/27/11 21:14	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/27/11 21:14	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/27/11 21:14	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/27/11 21:14	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/27/11 21:14	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/27/11 21:14	
1,2-Dichloroethane	ug/L	ND	1.0	12/27/11 21:14	
1,2-Dichloropropane	ug/L	ND	1.0	12/27/11 21:14	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/27/11 21:14	
1,3-Dichloropropane	ug/L	ND	1.0	12/27/11 21:14	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/27/11 21:14	
2,2-Dichloropropane	ug/L	ND	1.0	12/27/11 21:14	
2-Butanone (MEK)	ug/L	ND	5.0	12/27/11 21:14	
2-Chlorotoluene	ug/L	ND	1.0	12/27/11 21:14	
2-Hexanone	ug/L	ND	5.0	12/27/11 21:14	
4-Chlorotoluene	ug/L	ND	1.0	12/27/11 21:14	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/27/11 21:14	
Acetone	ug/L	ND	25.0	12/27/11 21:14	
Benzene	ug/L	ND	1.0	12/27/11 21:14	
Bromobenzene	ug/L	ND	1.0	12/27/11 21:14	
Bromochloromethane	ug/L	ND	1.0	12/27/11 21:14	
Bromodichloromethane	ug/L	ND	1.0	12/27/11 21:14	
Bromoform	ug/L	ND	1.0	12/27/11 21:14	
Bromomethane	ug/L	ND	2.0	12/27/11 21:14	
Carbon tetrachloride	ug/L	ND	1.0	12/27/11 21:14	
Chlorobenzene	ug/L	ND	1.0	12/27/11 21:14	
Chloroethane	ug/L	ND	1.0	12/27/11 21:14	
Chloroform	ug/L	ND	1.0	12/27/11 21:14	
Chloromethane	ug/L	ND	1.0	12/27/11 21:14	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/27/11 21:14	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/27/11 21:14	
Dibromochloromethane	ug/L	ND	1.0	12/27/11 21:14	
Dibromomethane	ug/L	ND	1.0	12/27/11 21:14	
Dichlorodifluoromethane	ug/L	ND	1.0	12/27/11 21:14	
Diisopropyl ether	ug/L	ND	1.0	12/27/11 21:14	
Ethylbenzene	ug/L	ND	1.0	12/27/11 21:14	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

METHOD BLANK: 704120

Matrix: Water

Associated Lab Samples: 92108905001, 92108905002, 92108905003, 92108905004, 92108905005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/27/11 21:14	
m&p-Xylene	ug/L	ND	2.0	12/27/11 21:14	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/27/11 21:14	
Methylene Chloride	ug/L	ND	2.0	12/27/11 21:14	
Naphthalene	ug/L	ND	1.0	12/27/11 21:14	
o-Xylene	ug/L	ND	1.0	12/27/11 21:14	
p-Isopropyltoluene	ug/L	ND	1.0	12/27/11 21:14	
Styrene	ug/L	ND	1.0	12/27/11 21:14	
Tetrachloroethene	ug/L	ND	1.0	12/27/11 21:14	
Toluene	ug/L	ND	1.0	12/27/11 21:14	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/27/11 21:14	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/27/11 21:14	
Trichloroethene	ug/L	ND	1.0	12/27/11 21:14	
Trichlorofluoromethane	ug/L	ND	1.0	12/27/11 21:14	
Vinyl acetate	ug/L	ND	2.0	12/27/11 21:14	
Vinyl chloride	ug/L	ND	1.0	12/27/11 21:14	
1,2-Dichloroethane-d4 (S)	%	92	70-130	12/27/11 21:14	
4-Bromofluorobenzene (S)	%	95	70-130	12/27/11 21:14	
Dibromofluoromethane (S)	%	103	70-130	12/27/11 21:14	
Toluene-d8 (S)	%	94	70-130	12/27/11 21:14	

LABORATORY CONTROL SAMPLE: 704121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.3	107	70-130	
1,1,1-Trichloroethane	ug/L	50	43.4	87	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.9	96	70-130	
1,1,2-Trichloroethane	ug/L	50	49.7	99	70-130	
1,1-Dichloroethane	ug/L	50	45.2	90	70-130	
1,1-Dichloroethene	ug/L	50	43.5	87	70-132	
1,1-Dichloropropene	ug/L	50	45.4	91	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.3	97	70-135	
1,2,3-Trichloropropane	ug/L	50	45.0	90	70-130	
1,2,4-Trichlorobenzene	ug/L	50	48.6	97	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	44.9	90	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.2	100	70-130	
1,2-Dichlorobenzene	ug/L	50	48.3	97	70-130	
1,2-Dichloroethane	ug/L	50	45.8	92	70-130	
1,2-Dichloropropane	ug/L	50	50.3	101	70-130	
1,3-Dichlorobenzene	ug/L	50	48.3	97	70-130	
1,3-Dichloropropane	ug/L	50	48.0	96	70-130	
1,4-Dichlorobenzene	ug/L	50	47.4	95	70-130	
2,2-Dichloropropane	ug/L	50	40.1	80	58-145	
2-Butanone (MEK)	ug/L	100	88.6	89	70-145	
2-Chlorotoluene	ug/L	50	44.0	88	70-130	

## QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

LABORATORY CONTROL SAMPLE: 704121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	98.6	99	70-144	
4-Chlorotoluene	ug/L	50	48.3	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	70-140	
Acetone	ug/L	100	93.4	93	50-175	
Benzene	ug/L	50	48.9	98	70-130	
Bromobenzene	ug/L	50	45.8	92	70-130	
Bromochloromethane	ug/L	50	52.6	105	70-130	
Bromodichloromethane	ug/L	50	49.8	100	70-130	
Bromoform	ug/L	50	53.8	108	70-130	
Bromomethane	ug/L	50	46.3	93	54-130	
Carbon tetrachloride	ug/L	50	50.5	101	70-132	
Chlorobenzene	ug/L	50	48.7	97	70-130	
Chloroethane	ug/L	50	48.7	97	64-134	
Chloroform	ug/L	50	46.4	93	70-130	
Chloromethane	ug/L	50	42.6	85	64-130	
cis-1,2-Dichloroethene	ug/L	50	44.6	89	70-131	
cis-1,3-Dichloropropene	ug/L	50	52.8	106	70-130	
Dibromochloromethane	ug/L	50	53.8	108	70-130	
Dibromomethane	ug/L	50	51.3	103	70-131	
Dichlorodifluoromethane	ug/L	50	42.6	85	56-130	
Diisopropyl ether	ug/L	50	45.8	92	70-130	
Ethylbenzene	ug/L	50	46.0	92	70-130	
Hexachloro-1,3-butadiene	ug/L	50	47.7	95	70-130	
m&p-Xylene	ug/L	100	89.9	90	70-130	
Methyl-tert-butyl ether	ug/L	50	46.3	93	70-130	
Methylene Chloride	ug/L	50	51.4	103	63-130	
Naphthalene	ug/L	50	52.2	104	70-138	
o-Xylene	ug/L	50	45.3	91	70-130	
p-Isopropyltoluene	ug/L	50	49.0	98	70-130	
Styrene	ug/L	50	47.3	95	70-130	
Tetrachloroethene	ug/L	50	46.5	93	70-130	
Toluene	ug/L	50	48.1	96	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.6	87	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.1	106	70-132	
Trichloroethene	ug/L	50	49.2	98	70-130	
Trichlorofluoromethane	ug/L	50	41.1	82	62-133	
Vinyl acetate	ug/L	100	77.8	78	66-157	
Vinyl chloride	ug/L	50	50.0	100	69-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	



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**QUALITY CONTROL DATA**

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Parameter	92108931001		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
1,1-Dichloroethene	ug/L	ND	50	50	56.4	54.9	113	110	70-166	3			
Benzene	ug/L	ND	50	50	53.6	50.7	107	101	70-148	5			
Chlorobenzene	ug/L	ND	50	50	56.7	54.8	113	110	70-146	3			
Toluene	ug/L	ND	50	50	55.4	52.8	111	106	70-155	5			
Trichloroethene	ug/L	ND	50	50	61.1	58.2	122	116	69-151	5			
1,2-Dichloroethane-d4 (S)	%						104	104	70-130				
4-Bromofluorobenzene (S)	%						98	98	70-130				
Dibromofluoromethane (S)	%						108	110	70-130				
Toluene-d8 (S)	%						99	96	70-130				

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

QC Batch: MSV/17775 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
Associated Lab Samples: 92108905007, 92108905008, 92108905009, 92108905010

METHOD BLANK: 705022 Matrix: Water  
Associated Lab Samples: 92108905007, 92108905008, 92108905009, 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1-Dichloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1-Dichloroethene	ug/L	ND	1.0	12/28/11 22:55	
1,1-Dichloropropene	ug/L	ND	1.0	12/28/11 22:55	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/28/11 22:55	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/28/11 22:55	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dichloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dichloropropane	ug/L	ND	1.0	12/28/11 22:55	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
1,3-Dichloropropane	ug/L	ND	1.0	12/28/11 22:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
2,2-Dichloropropane	ug/L	ND	1.0	12/28/11 22:55	
2-Butanone (MEK)	ug/L	ND	5.0	12/28/11 22:55	
2-Chlorotoluene	ug/L	ND	1.0	12/28/11 22:55	
2-Hexanone	ug/L	ND	5.0	12/28/11 22:55	
4-Chlorotoluene	ug/L	ND	1.0	12/28/11 22:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/28/11 22:55	
Acetone	ug/L	ND	25.0	12/28/11 22:55	
Benzene	ug/L	ND	1.0	12/28/11 22:55	
Bromobenzene	ug/L	ND	1.0	12/28/11 22:55	
Bromochloromethane	ug/L	ND	1.0	12/28/11 22:55	
Bromodichloromethane	ug/L	ND	1.0	12/28/11 22:55	
Bromoform	ug/L	ND	1.0	12/28/11 22:55	
Bromomethane	ug/L	ND	2.0	12/28/11 22:55	
Carbon tetrachloride	ug/L	ND	1.0	12/28/11 22:55	
Chlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
Chloroethane	ug/L	ND	1.0	12/28/11 22:55	
Chloroform	ug/L	ND	1.0	12/28/11 22:55	
Chloromethane	ug/L	ND	1.0	12/28/11 22:55	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/28/11 22:55	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/28/11 22:55	
Dibromochloromethane	ug/L	ND	1.0	12/28/11 22:55	
Dibromomethane	ug/L	ND	1.0	12/28/11 22:55	
Dichlorodifluoromethane	ug/L	ND	1.0	12/28/11 22:55	
Diisopropyl ether	ug/L	ND	1.0	12/28/11 22:55	
Ethylbenzene	ug/L	ND	1.0	12/28/11 22:55	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

METHOD BLANK: 705022

Matrix: Water

Associated Lab Samples: 92108905007, 92108905008, 92108905009, 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/28/11 22:55	
m&p-Xylene	ug/L	ND	2.0	12/28/11 22:55	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/28/11 22:55	
Methylene Chloride	ug/L	ND	2.0	12/28/11 22:55	
Naphthalene	ug/L	ND	1.0	12/28/11 22:55	
o-Xylene	ug/L	ND	1.0	12/28/11 22:55	
p-Isopropyltoluene	ug/L	ND	1.0	12/28/11 22:55	
Styrene	ug/L	ND	1.0	12/28/11 22:55	
Tetrachloroethene	ug/L	ND	1.0	12/28/11 22:55	
Toluene	ug/L	ND	1.0	12/28/11 22:55	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/28/11 22:55	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/28/11 22:55	
Trichloroethene	ug/L	ND	1.0	12/28/11 22:55	
Trichlorofluoromethane	ug/L	ND	1.0	12/28/11 22:55	
Vinyl acetate	ug/L	ND	2.0	12/28/11 22:55	
Vinyl chloride	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dichloroethane-d4 (S)	%	104	70-130	12/28/11 22:55	
4-Bromofluorobenzene (S)	%	95	70-130	12/28/11 22:55	
Dibromofluoromethane (S)	%	100	70-130	12/28/11 22:55	
Toluene-d8 (S)	%	101	70-130	12/28/11 22:55	

LABORATORY CONTROL SAMPLE: 705023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.0	104	70-130	
1,1,1-Trichloroethane	ug/L	50	48.7	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	70-130	
1,1,2-Trichloroethane	ug/L	50	48.6	97	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethene	ug/L	50	53.3	107	70-132	
1,1-Dichloropropene	ug/L	50	51.1	102	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.4	109	70-135	
1,2,3-Trichloropropane	ug/L	50	47.8	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	50.8	102	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.0	110	70-130	
1,2-Dichlorobenzene	ug/L	50	52.9	106	70-130	
1,2-Dichloroethane	ug/L	50	50.6	101	70-130	
1,2-Dichloropropane	ug/L	50	50.1	100	70-130	
1,3-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,3-Dichloropropane	ug/L	50	51.9	104	70-130	
1,4-Dichlorobenzene	ug/L	50	48.9	98	70-130	
2,2-Dichloropropane	ug/L	50	46.8	94	58-145	
2-Butanone (MEK)	ug/L	100	99.7	100	70-145	
2-Chlorotoluene	ug/L	50	51.6	103	70-130	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

LABORATORY CONTROL SAMPLE: 705023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	108	108	70-144	
4-Chlorotoluene	ug/L	50	53.4	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	70-140	
Acetone	ug/L	100	95.9	96	50-175	
Benzene	ug/L	50	50.5	101	70-130	
Bromobenzene	ug/L	50	48.8	98	70-130	
Bromochloromethane	ug/L	50	50.1	100	70-130	
Bromodichloromethane	ug/L	50	47.7	95	70-130	
Bromoform	ug/L	50	48.8	98	70-130	
Bromomethane	ug/L	50	48.2	96	54-130	
Carbon tetrachloride	ug/L	50	51.0	102	70-132	
Chlorobenzene	ug/L	50	53.4	107	70-130	
Chloroethane	ug/L	50	48.8	98	64-134	
Chloroform	ug/L	50	50.1	100	70-130	
Chloromethane	ug/L	50	49.7	99	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.2	100	70-130	
Dibromochloromethane	ug/L	50	48.1	96	70-130	
Dibromomethane	ug/L	50	51.3	103	70-131	
Dichlorodifluoromethane	ug/L	50	45.9	92	56-130	
Diisopropyl ether	ug/L	50	46.7	93	70-130	
Ethylbenzene	ug/L	50	52.7	105	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.7	107	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	47.9	96	70-130	
Methylene Chloride	ug/L	50	55.5	111	63-130	
Naphthalene	ug/L	50	56.7	113	70-138	
o-Xylene	ug/L	50	52.6	105	70-130	
p-Isopropyltoluene	ug/L	50	55.1	110	70-130	
Styrene	ug/L	50	54.2	108	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	49.9	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.2	100	70-132	
Trichloroethene	ug/L	50	52.1	104	70-130	
Trichlorofluoromethane	ug/L	50	49.0	98	62-133	
Vinyl acetate	ug/L	100	79.3	79	66-157	
Vinyl chloride	ug/L	50	50.2	100	69-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	





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**QUALITY CONTROL DATA**

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

Parameter	92109036006		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
	Units	Result	Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec					
1,1-Dichloroethene	ug/L	ND	50	50	65.3	61.3	131	123	70-166	6			
Benzene	ug/L	ND	50	50	53.6	52.6	107	105	70-148	2			
Chlorobenzene	ug/L	ND	50	50	65.4	63.3	131	127	70-146	3			
Toluene	ug/L	ND	50	50	61.4	60.6	123	121	70-155	1			
Trichloroethene	ug/L	ND	50	50	62.1	62.8	124	126	69-151	1			
1,2-Dichloroethane-d4 (S)	%						100	102	70-130				
4-Bromofluorobenzene (S)	%						100	101	70-130				
Dibromofluoromethane (S)	%						101	100	70-130				
Toluene-d8 (S)	%						99	98	70-130				

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

QC Batch: MSV/17778

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92108905006

METHOD BLANK: 705123

Matrix: Water

Associated Lab Samples: 92108905006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/28/11 19:42	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/28/11 19:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/28/11 19:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/28/11 19:42	
1,1-Dichloroethane	ug/L	ND	1.0	12/28/11 19:42	
1,1-Dichloroethene	ug/L	ND	1.0	12/28/11 19:42	
1,1-Dichloropropene	ug/L	ND	1.0	12/28/11 19:42	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/28/11 19:42	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/28/11 19:42	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/28/11 19:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/28/11 19:42	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/28/11 19:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/28/11 19:42	
1,2-Dichloroethane	ug/L	ND	1.0	12/28/11 19:42	
1,2-Dichloropropane	ug/L	ND	1.0	12/28/11 19:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/28/11 19:42	
1,3-Dichloropropane	ug/L	ND	1.0	12/28/11 19:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/28/11 19:42	
2,2-Dichloropropane	ug/L	ND	1.0	12/28/11 19:42	
2-Butanone (MEK)	ug/L	ND	5.0	12/28/11 19:42	
2-Chlorotoluene	ug/L	ND	1.0	12/28/11 19:42	
2-Hexanone	ug/L	ND	5.0	12/28/11 19:42	
4-Chlorotoluene	ug/L	ND	1.0	12/28/11 19:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/28/11 19:42	
Acetone	ug/L	ND	25.0	12/28/11 19:42	
Benzene	ug/L	ND	1.0	12/28/11 19:42	
Bromobenzene	ug/L	ND	1.0	12/28/11 19:42	
Bromochloromethane	ug/L	ND	1.0	12/28/11 19:42	
Bromodichloromethane	ug/L	ND	1.0	12/28/11 19:42	
Bromoform	ug/L	ND	1.0	12/28/11 19:42	
Bromomethane	ug/L	ND	2.0	12/28/11 19:42	
Carbon tetrachloride	ug/L	ND	1.0	12/28/11 19:42	
Chlorobenzene	ug/L	ND	1.0	12/28/11 19:42	
Chloroethane	ug/L	ND	1.0	12/28/11 19:42	
Chloroform	ug/L	ND	1.0	12/28/11 19:42	
Chloromethane	ug/L	ND	1.0	12/28/11 19:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/28/11 19:42	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/28/11 19:42	
Dibromochloromethane	ug/L	ND	1.0	12/28/11 19:42	
Dibromomethane	ug/L	ND	1.0	12/28/11 19:42	
Dichlorodifluoromethane	ug/L	ND	1.0	12/28/11 19:42	
Diisopropyl ether	ug/L	ND	1.0	12/28/11 19:42	
Ethylbenzene	ug/L	ND	1.0	12/28/11 19:42	

Date: 01/13/2012 10:13 AM

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

METHOD BLANK: 705123

Matrix: Water

Associated Lab Samples: 92108905006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/28/11 19:42	
m&p-Xylene	ug/L	ND	2.0	12/28/11 19:42	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/28/11 19:42	
Methylene Chloride	ug/L	ND	2.0	12/28/11 19:42	
Naphthalene	ug/L	ND	1.0	12/28/11 19:42	
o-Xylene	ug/L	ND	1.0	12/28/11 19:42	
p-Isopropyltoluene	ug/L	ND	1.0	12/28/11 19:42	
Styrene	ug/L	ND	1.0	12/28/11 19:42	
Tetrachloroethene	ug/L	ND	1.0	12/28/11 19:42	
Toluene	ug/L	ND	1.0	12/28/11 19:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/28/11 19:42	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/28/11 19:42	
Trichloroethene	ug/L	ND	1.0	12/28/11 19:42	
Trichlorofluoromethane	ug/L	ND	1.0	12/28/11 19:42	
Vinyl acetate	ug/L	ND	2.0	12/28/11 19:42	
Vinyl chloride	ug/L	ND	1.0	12/28/11 19:42	
1,2-Dichloroethane-d4 (S)	%	104	70-130	12/28/11 19:42	
4-Bromofluorobenzene (S)	%	95	70-130	12/28/11 19:42	
Dibromofluoromethane (S)	%	107	70-130	12/28/11 19:42	
Toluene-d8 (S)	%	94	70-130	12/28/11 19:42	

LABORATORY CONTROL SAMPLE: 705124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	58.1	116	70-130	
1,1,1-Trichloroethane	ug/L	50	50.1	100	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.1	102	70-130	
1,1,2-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1-Dichloroethane	ug/L	50	48.6	97	70-130	
1,1-Dichloroethene	ug/L	50	50.0	100	70-132	
1,1-Dichloropropene	ug/L	50	49.9	100	70-130	
1,2,3-Trichlorobenzene	ug/L	50	51.6	103	70-135	
1,2,3-Trichloropropane	ug/L	50	48.7	97	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.2	104	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.9	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.6	105	70-130	
1,2-Dichlorobenzene	ug/L	50	52.7	105	70-130	
1,2-Dichloroethane	ug/L	50	52.7	105	70-130	
1,2-Dichloropropane	ug/L	50	53.3	107	70-130	
1,3-Dichlorobenzene	ug/L	50	52.3	105	70-130	
1,3-Dichloropropane	ug/L	50	50.3	101	70-130	
1,4-Dichlorobenzene	ug/L	50	51.5	103	70-130	
2,2-Dichloropropane	ug/L	50	50.9	102	58-145	
2-Butanone (MEK)	ug/L	100	95.5	96	70-145	
2-Chlorotoluene	ug/L	50	53.6	107	70-130	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92108905

LABORATORY CONTROL SAMPLE: 705124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	106	106	70-144	
4-Chlorotoluene	ug/L	50	54.3	109	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	110	110	70-140	
Acetone	ug/L	100	102	102	50-175	
Benzene	ug/L	50	52.4	105	70-130	
Bromobenzene	ug/L	50	51.7	103	70-130	
Bromochloromethane	ug/L	50	53.0	106	70-130	
Bromodichloromethane	ug/L	50	55.4	111	70-130	
Bromoform	ug/L	50	55.5	111	70-130	
Bromomethane	ug/L	50	57.3	115	54-130	
Carbon tetrachloride	ug/L	50	60.9	122	70-132	
Chlorobenzene	ug/L	50	52.9	106	70-130	
Chloroethane	ug/L	50	53.9	108	64-134	
Chloroform	ug/L	50	52.3	105	70-130	
Chloromethane	ug/L	50	50.3	101	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	58.0	116	70-130	
Dibromochloromethane	ug/L	50	57.8	116	70-130	
Dibromomethane	ug/L	50	53.3	107	70-131	
Dichlorodifluoromethane	ug/L	50	48.4	97	56-130	
Diisopropyl ether	ug/L	50	48.6	97	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.7	103	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	49.2	98	70-130	
Methylene Chloride	ug/L	50	57.3	115	63-130	
Naphthalene	ug/L	50	56.2	112	70-138	
o-Xylene	ug/L	50	52.0	104	70-130	
p-Isopropyltoluene	ug/L	50	53.5	107	70-130	
Styrene	ug/L	50	52.7	105	70-130	
Tetrachloroethene	ug/L	50	51.5	103	70-130	
Toluene	ug/L	50	53.8	108	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.9	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	59.1	118	70-132	
Trichloroethene	ug/L	50	54.0	108	70-130	
Trichlorofluoromethane	ug/L	50	50.4	101	62-133	
Vinyl acetate	ug/L	100	87.1	87	66-157	
Vinyl chloride	ug/L	50	53.9	108	69-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			102	70-130	



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### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

QC Batch: WET/19141 Analysis Method: SM 2320B  
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
 Associated Lab Samples: 92108905006, 92108905007, 92108905008

METHOD BLANK: 704757 Matrix: Water  
 Associated Lab Samples: 92108905006, 92108905007, 92108905008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	12/28/11 11:10	

LABORATORY CONTROL SAMPLE: 704758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.8	100	90-110	

SAMPLE DUPLICATE: 704841

Parameter	Units	92108905006 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	26.0	28.1	8	



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 Huntersville, NC 28078  
 (704)875-9092

**QUALITY CONTROL DATA**

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

QC Batch: WET/19304 Analysis Method: SM 2320B  
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
 Associated Lab Samples: 92108905010

METHOD BLANK: 709414 Matrix: Water  
 Associated Lab Samples: 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	01/12/12 11:20	

LABORATORY CONTROL SAMPLE: 709415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.6	97	90-110	

SAMPLE DUPLICATE: 709416

Parameter	Units	92108905010 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	51.3	53.4	4	H1



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 (828)254-7176

Pace Analytical Services, Inc.  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

**QUALITY CONTROL DATA**

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

QC Batch: WET/19148 Analysis Method: SM 3500-Fe D#4  
 QC Batch Method: SM 3500-Fe D#4 Analysis Description: Iron, Ferrous  
 Associated Lab Samples: 92108905006, 92108905007, 92108905008, 92108905010

METHOD BLANK: 704785 Matrix: Water  
 Associated Lab Samples: 92108905006, 92108905007, 92108905008, 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.50	12/28/11 12:03	N2

LABORATORY CONTROL SAMPLE: 704786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.5	1.6	105	90-110	N2

SAMPLE DUPLICATE: 704787

Parameter	Units	92108465002 Result	Dup Result	RPD	Qualifiers
Iron, Ferrous	mg/L	2.9	2.1	33	D6,H1,N2



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### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

QC Batch: WET/19125 Analysis Method: SM 4500-S2D  
 QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water  
 Associated Lab Samples: 92108905006, 92108905007, 92108905008, 92108905010

METHOD BLANK: 704460 Matrix: Water  
 Associated Lab Samples: 92108905006, 92108905007, 92108905008, 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	12/27/11 11:00	

LABORATORY CONTROL SAMPLE: 704461

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.49	98	90-110	

MATRIX SPIKE SAMPLE: 704462

Parameter	Units	92108841002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.40	79	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 704464 704465

Parameter	Units	92108896013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Sulfide	mg/L	ND	.5	.5	0.34	0.35	68	69	75-125	1	M1

SAMPLE DUPLICATE: 704463

Parameter	Units	92108841002 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		





**QUALITY CONTROL DATA**

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92108905

QC Batch: WETA/11217 Analysis Method: EPA 300.0  
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
 Associated Lab Samples: 92108905006

METHOD BLANK: 702735 Matrix: Water  
 Associated Lab Samples: 92108905006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	12/23/11 14:36	

LABORATORY CONTROL SAMPLE: 702736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.3	96	90-110	

MATRIX SPIKE SAMPLE: 702737

Parameter	Units	92108465011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	21.6	98	90-110	

MATRIX SPIKE SAMPLE: 702739

Parameter	Units	92108709002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	21.0	95	90-110	

SAMPLE DUPLICATE: 702738

Parameter	Units	92108465011 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

SAMPLE DUPLICATE: 702740

Parameter	Units	92108709002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

QC Batch: WETA/11251 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 92108905007, 92108905008, 92108905010

METHOD BLANK: 704760 Matrix: Water  
Associated Lab Samples: 92108905007, 92108905008, 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	12/28/11 15:25	

LABORATORY CONTROL SAMPLE: 704761

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	18.8	94	90-110	

MATRIX SPIKE SAMPLE: 704762

Parameter	Units	92109139001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	20.2	93	90-110	

MATRIX SPIKE SAMPLE: 704764

Parameter	Units	92108926010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	20.9	104	90-110	

SAMPLE DUPLICATE: 704763

Parameter	Units	92109139001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

SAMPLE DUPLICATE: 704765

Parameter	Units	92108926010 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

QC Batch: WETA/11223 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.  
Associated Lab Samples: 92108905006, 92108905007, 92108905010

METHOD BLANK: 703273 Matrix: Water

Associated Lab Samples: 92108905006, 92108905007, 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.20	12/21/11 22:14	
Nitrogen, Nitrite	mg/L	ND	0.10	12/21/11 22:14	
Nitrogen, NO2 plus NO3	mg/L	ND	0.20	12/21/11 22:14	

LABORATORY CONTROL SAMPLE: 703274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	5.0	99	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	103	90-110	
Nitrogen, NO2 plus NO3	mg/L	5	5.0	99	90-110	

MATRIX SPIKE SAMPLE: 703275

Parameter	Units	92108855001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	6.3	125	90-110	M1
Nitrogen, Nitrite	mg/L	ND	1	1.1	112	90-110	M1
Nitrogen, NO2 plus NO3	mg/L	ND	5	6.3	125	90-110	M1

MATRIX SPIKE SAMPLE: 703277

Parameter	Units	92108855002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.3	104	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.1	110	90-110	
Nitrogen, NO2 plus NO3	mg/L	ND	5	5.3	104	90-110	

SAMPLE DUPLICATE: 703276

Parameter	Units	92108855001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	ND	ND		



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### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

SAMPLE DUPLICATE: 703278

Parameter	Units	92108855002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

QC Batch: WETA/11224 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.  
Associated Lab Samples: 92108905008

METHOD BLANK: 703279 Matrix: Water

Associated Lab Samples: 92108905008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.20	12/21/11 22:55	
Nitrogen, Nitrite	mg/L	ND	0.10	12/21/11 22:55	
Nitrogen, NO2 plus NO3	mg/L	ND	0.20	12/21/11 22:55	

LABORATORY CONTROL SAMPLE: 703280

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	4.9	99	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	
Nitrogen, NO2 plus NO3	mg/L	5	4.9	99	90-110	

MATRIX SPIKE SAMPLE: 703281

Parameter	Units	92108905008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.88	5	9.8	179	90-110	M1
Nitrogen, Nitrite	mg/L	ND	1	1.1	108	90-110	
Nitrogen, NO2 plus NO3	mg/L	0.88	5	9.8	179	90-110	M1

SAMPLE DUPLICATE: 703282

Parameter	Units	92108905008 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.88	0.89	1	
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	0.88	0.89	1	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

QC Batch: WETA/11254 Analysis Method: SM 5310B  
QC Batch Method: SM 5310B Analysis Description: 5310B TOC  
Associated Lab Samples: 92108905006, 92108905007, 92108905008, 92108905010

METHOD BLANK: 704958 Matrix: Water  
Associated Lab Samples: 92108905006, 92108905007, 92108905008, 92108905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	12/30/11 14:10	

LABORATORY CONTROL SAMPLE: 704959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	23.8	95	90-110	

MATRIX SPIKE SAMPLE: 704960

Parameter	Units	92108709001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	17800 ug/L	25	34.2	66	75-125	M1

MATRIX SPIKE SAMPLE: 704962

Parameter	Units	92108926006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12200 ug/L	25	30.6	73	75-125	M1

SAMPLE DUPLICATE: 704961

Parameter	Units	92108709002 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	10300 ug/L	9.9	5	

SAMPLE DUPLICATE: 704963

Parameter	Units	92108926007 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	16100 ug/L	15.7	3	

## QUALIFIERS

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

### LABORATORIES

PASI-A Pace Analytical Services - Asheville  
PASI-C Pace Analytical Services - Charlotte  
PASI-M Pace Analytical Services - Minneapolis

### ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.  
E Analyte concentration exceeded the calibration range. The reported result is estimated.  
H1 Analysis conducted outside the EPA method holding time.  
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
N2 The lab does not hold TNI accreditation for this parameter.  
P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.  
S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).  
pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GENERAL TIME 38111-003  
Pace Project No.: 92108905

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92108905006	MW14I	RSK 175	AIR/13902		
92108905007	MW11S	RSK 175	AIR/13902		
92108905008	MW11I	RSK 175	AIR/13902		
92108905010	MW-14D	RSK 175	AIR/13902		
92108905001	RW1	EPA 8260	MSV/17747		
92108905002	RW2	EPA 8260	MSV/17747		
92108905003	RW4	EPA 8260	MSV/17747		
92108905004	RW3	EPA 8260	MSV/17747		
92108905005	MW6I	EPA 8260	MSV/17747		
92108905006	MW14I	EPA 8260	MSV/17778		
92108905007	MW11S	EPA 8260	MSV/17775		
92108905008	MW11I	EPA 8260	MSV/17775		
92108905009	TRIP BLANK	EPA 8260	MSV/17775		
92108905010	MW-14D	EPA 8260	MSV/17775		
92108905006	MW14I	SM 2320B	WET/19141		
92108905007	MW11S	SM 2320B	WET/19141		
92108905008	MW11I	SM 2320B	WET/19141		
92108905010	MW-14D	SM 2320B	WET/19304		
92108905006	MW14I	SM 3500-Fe D#4	WET/19148		
92108905007	MW11S	SM 3500-Fe D#4	WET/19148		
92108905008	MW11I	SM 3500-Fe D#4	WET/19148		
92108905010	MW-14D	SM 3500-Fe D#4	WET/19148		
92108905006	MW14I	SM 4500-S2D	WET/19125		
92108905007	MW11S	SM 4500-S2D	WET/19125		
92108905008	MW11I	SM 4500-S2D	WET/19125		
92108905010	MW-14D	SM 4500-S2D	WET/19125		
92108905006	MW14I	EPA 300.0	WETA/11217		
92108905007	MW11S	EPA 300.0	WETA/11251		
92108905008	MW11I	EPA 300.0	WETA/11251		
92108905010	MW-14D	EPA 300.0	WETA/11251		
92108905006	MW14I	EPA 353.2	WETA/11223		
92108905007	MW11S	EPA 353.2	WETA/11223		
92108905008	MW11I	EPA 353.2	WETA/11224		
92108905010	MW-14D	EPA 353.2	WETA/11223		
92108905006	MW14I	SM 5310B	WETA/11254		
92108905007	MW11S	SM 5310B	WETA/11254		
92108905008	MW11I	SM 5310B	WETA/11254		
92108905010	MW-14D	SM 5310B	WETA/11254		





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January 6, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92108905**

*Microseeps Workorder: 3742*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, December 22, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl      01/06/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 14

Report ID: 3742 - 167009

Page 1 of 9

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## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
<b>Accreditation ID:</b>	02-00538
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories
<b>Accreditation ID:</b>	E87832
<b>Scope:</b>	Clean Water Act (CWA)                      Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
<b>Accreditation ID:</b>	89009003
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality
<b>Accreditation ID:</b>	04104
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection
<b>Accreditation ID:</b>	PA026
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center
<b>Accreditation ID:</b>	11815
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health
<b>Accreditation ID:</b>	PH-0263
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality
<b>Accreditation ID:</b>	T104704453-09-TX
<b>Scope:</b>	Non-Potable Water
<b>Accreditor:</b>	State of New Hampshire
<b>Accreditation ID:</b>	299409
<b>Scope:</b>	Non-potable water
<b>Accreditor:</b>	State of Georgia
<b>Accreditation ID:</b>	Chapter 391-3-26
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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### SAMPLE SUMMARY

Workorder: 3742 GENERAL TIME / 92108905

Lab ID	Sample ID	Matrix	Date Collected	Date Received
37420001	MW14I	Water	12/20/2011 10:04	12/22/2011 12:00
37420002	MW11S	Water	12/20/2011 14:14	12/22/2011 12:00
37420003	MW11I	Water	12/20/2011 15:34	12/22/2011 12:00
37420004	MW14D	Water	12/20/2011 11:57	12/22/2011 12:00

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## PROJECT SUMMARY

Workorder: 3742 GENERAL TIME / 92108905

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### Workorder Comments

---

Samples 3742 (0001-0004) were analyzed outside the hold time of 14 days from collection for the low level volatile fatty acids.

### Batch Comments

---

**Batch:** EDON/1242 - Low Level Volatile Fatty Acids

The method blank contains a reportable concentration above the RDL. Analyte Lactic Acid. Results for this analyte in associated samples may be bias high.

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### ANALYTICAL RESULTS

Workorder: 3742 GENERAL TIME / 92108905

Lab ID: 37420001 Date Received: 12/22/2011 12:00 Matrix: Water  
 Sample ID: MW14I Date Collected: 12/20/2011 10:04

Parameters	ResultsUnits	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	36 mg/l	5.0	0.070	1		1/3/2012 16:28	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.10 mg/l	0.10	0.010	1		1/4/2012 05:46	KB		
Acetic Acid	<0.070 mg/l	0.070	0.0060	1		1/4/2012 05:46	KB		
Propionic Acid	<0.050 mg/l	0.050	0.0070	1		1/4/2012 05:46	KB		
Butyric Acid	<0.050 mg/l	0.050	0.0040	1		1/4/2012 05:46	KB		
Pyruvic Acid	<0.15 mg/l	0.15	0.033	1		1/4/2012 05:46	KB		

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### ANALYTICAL RESULTS

Workorder: 3742 GENERAL TIME / 92108905

Lab ID: **37420002** Date Received: 12/22/2011 12:00 Matrix: Water  
 Sample ID: **MW11S** Date Collected: 12/20/2011 14:14

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX		Analytical Method: AM20GAX							
Carbon Dioxide	69mg/l	5.0	0.070	1		1/3/2012 16:37	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G		Analytical Method: AM23G							
Lactic Acid	<0.10mg/l	0.10	0.010	1		1/4/2012 06:28	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/4/2012 06:28	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/4/2012 06:28	KB		
Butyric Acid	<0.050mg/l	0.050	0.0040	1		1/4/2012 06:28	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/4/2012 06:28	KB		

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 Fax: (412) 826-3433

### ANALYTICAL RESULTS

Workorder: 3742 GENERAL TIME / 92108905

Lab ID: 37420003 Date Received: 12/22/2011 12:00 Matrix: Water  
 Sample ID: MW111 Date Collected: 12/20/2011 15:34

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	42mg/l	5.0	0.070	1		1/3/2012 16:47	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<0.10mg/l	0.10	0.010	1		1/4/2012 07:10	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/4/2012 07:10	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/4/2012 07:10	KB		
Butyric Acid	<0.050mg/l	0.050	0.0040	1		1/4/2012 07:10	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/4/2012 07:10	KB		

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**ANALYTICAL RESULTS**

Workorder: 3742 GENERAL TIME / 92108905

Lab ID: 37420004 Date Received: 12/22/2011 12:00 Matrix: Water  
 Sample ID: MW14D Date Collected: 12/20/2011 11:57

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	31 mg/l	5.0	0.070	1		1/3/2012 16:56	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.16 mg/l	0.10	0.010	1		1/4/2012 07:52	KB		
Acetic Acid	<0.070 mg/l	0.070	0.0060	1		1/4/2012 07:52	KB		
Propionic Acid	<0.050 mg/l	0.050	0.0070	1		1/4/2012 07:52	KB		
Butyric Acid	<0.050 mg/l	0.050	0.0040	1		1/4/2012 07:52	KB		
Pyruvic Acid	<0.15 mg/l	0.15	0.033	1		1/4/2012 07:52	KB		

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 3742 GENERAL TIME / 92108905

---

### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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3742

# Chain of Custody



**Workorder:** 92108905      **Workorder Name:** GENERAL TIME      **Results Requested:** 1/6/2012  
**Report / Invoice To:** Subcontract To  
 Bonnie McKee  
 Pace Analytical Charlotte  
 9800 Kinney Ave. Suite 100  
 Huntersville, NC 28078  
 Phone (704)875-9092  
 Email: bonnie.mckee@pacelabs.com

Microscoops  
 P.O. CHS10088

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers		Requested Analysis
					Unpreserved	Other	
1	MW14I	12/20/2011 10:04	92108905006	Water	2	2	metabolic acids CO2 ↑↑
2	MW11S	12/20/2011 14:14	92108905007	Water	1	1	
3	MW11I	12/20/2011 15:34	92108905008	Water	1	1	
4	MW-14D	12/20/2011 11:57	92108905010	Water	1	1	
5							

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
2	Fedex		Hunterford	12-22-11	1200 3°C
3					
4					
5					

3742

**Robbin Robl**

---

**From:** Bonnie McKee [Bonnie.McKee@pacelabs.com]  
**Sent:** Friday, December 23, 2011 2:24 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time  
**Attachments:** Bonnie McKee.vcf

Yes please proceed.

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 12/23/2011 2:22 PM >>>  
Yep! With your permission, we will do so.

Robbin

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Friday, December 23, 2011 2:22 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Sounds like my client samples incorrectly and used up all the BAK vials. Can you report that same compounds list with the Low Level?

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 12/23/2011 2:18 PM >>>  
Sorry, I'm not explaining this correctly - ALL of the vials we received are preserved with BAK! We don't have any unpreserved vials.

3742

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Friday, December 23, 2011 12:36 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Those should be for the CO2.

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 12/23/2011 12:31 PM >>>  
Bonnie,

That is correct, however we received vials that indicate BAK preservative which means the LLVFA's. The only thing I can think of is that the labels are wrong??

Robbin

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Friday, December 23, 2011 12:30 PM  
**To:** Robbin Robl  
**Subject:** Re: General Time

Robbin,

The guide I have from Microseeps for Standard Level says no preservative is required.

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 12/22/2011 4:48 PM >>>  
Hi Bonnie,

3742

We received your project, General Time today. The COC indicates Metabolic Acids - can you please tell me which metabolic acids you are looking for?

Thank you!  
Robbin

Robbin Robl  
Microseeps, Inc.  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: 412-826-5245  
Fax: 412-826-3433



In observance of the upcoming holiday season, we will be closed and unable to accept samples on Saturday, Dec.24, Monday, Dec. 26, Saturday, Dec. 31 and Monday Jan. 2. Please plan your sampling events accordingly.

Disclaimer: This message contains confidential information and is intended only for the individual(s) named. If you are not the named addressee, you should permanently delete this e-mail from your system and should not disseminate, distribute or copy this e-mail. E-mail transmission cannot be guaranteed to be secure or error-free as information delivered over the internet could be corrupted, lost, destroyed, delayed, or contain viruses.

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# Cooler Receipt Form

Client Name: Pace Project: General time / 92108905 Lab Work Order: 3742

**A. Shipping/Container Information (circle appropriate response)**

Courier:  FedEx  UPS  USPS  Client  Other: \_\_\_\_\_ Air bill Present:  Yes  No

Tracking Number: 435213100541

Custody Seal on Cooler/Box Present: Yes  No  Seals Intact: Yes  No

Cooler/Box Packing Material:  Bubble Wrap  Absorbent  Foam  Other: \_\_\_\_\_

Type of Ice:  Wet  Blue  None Ice Intact:  Yes  Melted

Cooler Temperature: 3°C Radiation Screened: Yes  No  Chain of Custody Present:  Yes  No

Comments: \_\_\_\_\_

**B. Laboratory Assignment/Log-in (check appropriate response)**

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC		✓		
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC	✓			
Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments: \_\_\_\_\_

Cooler contents examined/received by: HLV Date: 12-22-11

Project Manager Review: FR Date: 12/27/11



Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

January 6, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92108905**

*Microseeps Workorder: 3757*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, December 28, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl      01/06/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 10

Report ID: 3757 - 165935

Page 1 of 8

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Phone: (412) 826-5245  
Fax: (412) 826-3433

## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
<b>Accreditation ID:</b>	02-00538
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories
<b>Accreditation ID:</b>	E87832
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
<b>Accreditation ID:</b>	89009003
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality
<b>Accreditation ID:</b>	04104
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection
<b>Accreditation ID:</b>	PA026
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center
<b>Accreditation ID:</b>	11815
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health
<b>Accreditation ID:</b>	PH-0263
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality
<b>Accreditation ID:</b>	T104704453-09-TX
<b>Scope:</b>	Non-Potable Water
<b>Accreditor:</b>	State of New Hampshire
<b>Accreditation ID:</b>	299409
<b>Scope:</b>	Non-potable water
<b>Accreditor:</b>	State of Georgia
<b>Accreditation ID:</b>	Chapter 391-3-26
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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### SAMPLE SUMMARY

Workorder: 3757 GENERAL TIME / 92108905

Lab ID	Sample ID	Matrix	Date Collected	Date Received
37570001	MW14I	Bubble Strip	12/20/2011 10:04	12/28/2011 10:30
37570002	MW11S	Bubble Strip	12/20/2011 14:14	12/28/2011 10:30
37570003	MW11I	Bubble Strip	12/20/2011 15:34	12/28/2011 10:30
37570004	MW-14D	Bubble Strip	12/20/2011 11:57	12/28/2011 10:30

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## ANALYTICAL RESULTS

Workorder: 3757 GENERAL TIME / 92108905

Lab ID: 37570001

Date Received: 12/28/2011 10:30 Matrix: Bubble Strip

Sample ID: MW14I

Date Collected: 12/20/2011 10:04

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	0.94	nM	0.60	0.25	1		12/30/2011 15:15	SL		

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### ANALYTICAL RESULTS

Workorder: 3757 GENERAL TIME / 92108905

Lab ID: 37570002 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW11S Date Collected: 12/20/2011 14:14

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	2.1nM	0.60	0.25	1		12/30/2011 15:27	SL		

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### ANALYTICAL RESULTS

Workorder: 3757 GENERAL TIME / 92108905

Lab ID: 37570003 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW111 Date Collected: 12/20/2011 15:34

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	0.84 nM	0.60	0.25	1		12/30/2011 15:39	SL		

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## ANALYTICAL RESULTS

Workorder: 3757 GENERAL TIME / 92108905

Lab ID: 37570004 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW-14D Date Collected: 12/20/2011 11:57

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	1.0nM		0.60	0.25	1		12/30/2011 15:52	SL		

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 3757 GENERAL TIME / 92108905

---

### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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3157

# Chain of Custody



Workorder: 92108905      Workorder Name: GENERAL TIME 38111-003      Results Requested 1/6/2012

Report/Invoice To: Subcontract To: Requested Analysis

Bonnie McKee  
Pace Analytical Charlotte  
9800 Kinsey Ave. Suite 100  
Huntersville, NC 28078  
Phone (704)875-9092  
Email: bonnie.mckee@pacelabs.com

*Microscopy*      P.O. CHS10911

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers			LAB USE ONLY
					HCL	Unpreserved	Other	
1	MW14I	12/20/2011 10:04	92108905006	Water				
2	MW11S	12/20/2011 14:14	92108905007	Water				
3	MW11I	12/20/2011 15:34	92108905008	Water				
4	MW-14D	12/20/2011 11:57	92108905010	Water				
5								

*double checked hydrogen*

Transfers      Released By      Date/Time      Received By      Date/Time      Comments

1			<i>HP</i>	12-28-11	10:50
2					
3					
4					
5					



Microseeps  
Lab. Proj. #

3757

# CHAIN - OF - CUSTODY RECORD

Microseeps  
COC cont. #

Phone: (412) 826-5245

Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238

Fax No.: (412) 826-3433

Company:

Haley & Aldrich

Co. Address:

33 Market Point Dr.

Phone #:

864-587-0447 Fax #:

Proj. Manager:

Britney C. Barnes

Proj. Name/Number:

General Time / 3811-003

Sampler's signature:

Shaw Brane

Results to:

Haley & Aldrich

Invoice to:

Parameters Requested

Dissolved Hydrocarbons

Cooler Temp.

Sample ID	Sample Description	Sample Type Water Vapor Solid	Date	Time	Temp	Remarks
1 MW 11E	Micro seep	✓	12/20/11	15:52	1	
2 MW 11S	Micro seep	✓	12/20/11	14:47	1	
3 MW 14D	Micro seep	✓	12/20/11	12:34	1	
4 MW 14E	Micro seep	✓	12/20/11	10:33	1	
5 MW 2E	Micro seep	✓	12/21/11	13:37	1	
6 MW 2S	Micro seep	✓	12/21/11	12:19	1	
7 MW 9D	Micro seep	✓	12/21/11	10:44	1	
8 MW 4E	Micro seep	✓	12/21/11	9:25	1	
9 MW 1E	Micro seep	✓	12/21/11	15:59	1	
10 MW 1S	Micro seep	✓	12/21/11	15:01	1	
11 MW 4E	Micro seep	✓	12/22/11	11:23	1	
12 MW 16E	Micro seep	✓	12/22/11	13:07	1	
13 MW 16D	Micro seep	✓	12/22/11	14:08	1	
14 MW 2D	Micro seep	✓	12/22/11	16:35	1	
15 MW 2D Duplicate	Micro seep	✓	12/22/11	16:52	1	
16 MW 5E	Micro seep	✓	12/27/11	10:08	1	
17 MW 7E	Micro seep	✓	12/27/11	11:31	1	

Relinquished by:

Shaw Brane

Company:

Geo Lab

Date:

12/27/11 15:00

Received by:

Haley & Aldrich

Company:

MS

Date:

12-28-11

Time:

10:30

Relinquished by:

Company:

Date:

Received by:

Company:

Date:

Time:

Relinquished by:

Company:

Date:

Received by:

Company:

Date:

Time:



**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

**Section A** Required Client Information: Company: **HALEY & ALDRICH** Report To: **BRITNEY BARNES** Invoice Information: Attention: **HALEY & ALDRICH** Company Name: **HALEY & ALDRICH** Regulatory Agency: **REGULATORY AGENCY**

Address: **33 MARKET POINT DR GREENVILLE SC 29607** Copy To: **BRITNEY BARNES** Address: **HALEY & ALDRICH** NPDES  GROUND WATER  DRINKING WATER  OTHER

Email To: **BARNES@HALEYALDRICH.COM** Purchase Order No.: **GENERAL TIME** Pace Quote Reference: **4245-12** Site Location STATE: **GA**

Phone: **864-527-0949** Fax: **864-527-0949** Project Name: **GENERAL TIME** Pace Project Manager: **4245-12**

Requested Due Date/TAT: **3/8/11-003** Project Number: **3811-003** Pace Profile #:

**Section B** Required Project Information: Report To: **BRITNEY BARNES** Invoice Information: Attention: **HALEY & ALDRICH** Company Name: **HALEY & ALDRICH** Regulatory Agency: **REGULATORY AGENCY**

Address: **33 MARKET POINT DR GREENVILLE SC 29607** Copy To: **BRITNEY BARNES** Address: **HALEY & ALDRICH** NPDES  GROUND WATER  DRINKING WATER  OTHER

Email To: **BARNES@HALEYALDRICH.COM** Purchase Order No.: **GENERAL TIME** Pace Quote Reference: **4245-12** Site Location STATE: **GA**

Phone: **864-527-0949** Fax: **864-527-0949** Project Name: **GENERAL TIME** Pace Project Manager: **4245-12**

Requested Due Date/TAT: **3/8/11-003** Project Number: **3811-003** Pace Profile #:

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	Matrix Code (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Temp in °C
					COMPOSITE START	COMPOSITE END/GRAB						
1	RW1	DW	WT 6		12/9/11	12:34	3	3		X	N	001
2	RW2	WT 6			12/9/11	13:30	3	3		X	N	002
3	RW4	WT 6			12/9/11	14:38	3	3		X	N	003
4	RW3	WT 6			12/9/11	15:33	3	3		X	N	004
5	MW 6I	WT 6			12/9/11	17:06	3	3		X	N	005
6	MW 14I	WT 6			12/20/11	10:04	2	2		X	N	006
7	MW 14D	WT 6			12/20/11	11:57	2	2		X	N	007
8	MW 11S	WT 6			12/20/11	14:14	2	2		X	N	008
9	MW 11I	WT 6			12/20/11	15:34	2	2		X	N	009
10	TRIP BLANK	WT 6									N	010
11												
12												

**Section C** Required Project Information: Report To: **BRITNEY BARNES** Invoice Information: Attention: **HALEY & ALDRICH** Company Name: **HALEY & ALDRICH** Regulatory Agency: **REGULATORY AGENCY**

Address: **33 MARKET POINT DR GREENVILLE SC 29607** Copy To: **BRITNEY BARNES** Address: **HALEY & ALDRICH** NPDES  GROUND WATER  DRINKING WATER  OTHER

Email To: **BARNES@HALEYALDRICH.COM** Purchase Order No.: **GENERAL TIME** Pace Quote Reference: **4245-12** Site Location STATE: **GA**

Phone: **864-527-0949** Fax: **864-527-0949** Project Name: **GENERAL TIME** Pace Project Manager: **4245-12**

Requested Due Date/TAT: **3/8/11-003** Project Number: **3811-003** Pace Profile #:

ORIGINAL

**RELINQUISHED BY / AFFILIATION** SYDNEY HORNER 12/20/11 17:00  
**ACCEPTED BY / AFFILIATION** Justin N. [Signature] 12/20/11 10:30  
**DATE SIGNED** 12/20/11

**TEMPERATURE** 36.0  
**RECEIVED ON ICE** Y  
**CUSTODY SEALED COOLER** N  
**SAMPLES INTACT** Y

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



Document Name:  
**Sample Condition Upon Receipt (SCUR)**  
 Document Number:  
**F-CHR-CS-03-rev.05**

Document Revised: July 29, 2011  
 Page 1 of 2  
 Issuing Authority:  
 Pace Huntersville Quality Office

Client Name: Haley + Adrich Project # 92108905

Where Received:  Huntersville  Asheville  Eden  
 Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_  
 Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no  
 Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_  
 Thermometer Used: IR Gun T1102 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun  
 Temp Correction Factor Add / Subtract 0 °C  
 Corrected Cooler Temp.: 60° C Biological Tissue is Frozen: Yes No N/A

Optional  
 Proj. Due Date:  
 Proj. Name:

Date and Initials of person examining contents: Jmm 12-21-11

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>no time or date on COC for trip blank</u>
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>no time or date on trip blank sample label.</u>
-Includes date/time/ID/Analysis Matrix: <u>IB = WT</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>no headspace in methane vials.</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

SCURF Review: Bum Date: 12/21/11 SRF Review: Bum Date: 12/22/11

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

January 09, 2012

Ms. Britney Barnes  
Haley & Aldrich  
33 Market Point Drive  
Greenville, SC 29607

RE: Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

Dear Ms. Barnes:

Enclosed are the analytical results for sample(s) received by the laboratory on December 22, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,



Bonnie McKee

bonnie.mckee@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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**Pace Analytical Services, Inc.**  
 205 East Meadow Road - Suite A  
 Eden, NC 27288  
 (336)623-8921

**Pace Analytical Services, Inc.**  
 2225 Riverside Dr.  
 Asheville, NC 28804  
 (828)254-7176

**Pace Analytical Services, Inc.**  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

## CERTIFICATIONS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414  
 A2LA Certification #: 2926.01  
 Alaska Certification #: UST-078  
 Alaska Certification #MN00064  
 Arizona Certification #: AZ-0014  
 Arkansas Certification #: 88-0680  
 California Certification #: 01155CA  
 EPA Region 8 Certification #: Pace  
 Florida/NELAP Certification #: E87605  
 Georgia Certification #: 959  
 Idaho Certification #: MN00064  
 Illinois Certification #: 200011  
 Iowa Certification #: 368  
 Kansas Certification #: E-10167  
 Louisiana Certification #: 03086  
 Louisiana Certification #: LA080009  
 Maine Certification #: 2007029  
 Maryland Certification #: 322  
 Michigan DEQ Certification #: 9909  
 Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace  
 Montana Certification #: MT CERT0092  
 Nebraska Certification #: Pace  
 Nevada Certification #: MN\_00064  
 New Jersey Certification #: MN-002  
 New Mexico Certification #: Pace  
 New York Certification #: 11647  
 North Carolina Certification #: 530  
 North Dakota Certification #: R-036  
 North Dakota Certification #: R-036A  
 Ohio VAP Certification #: CL101  
 Oklahoma Certification #: D9921  
 Oklahoma Certification #: 9507  
 Oregon Certification #: MN200001  
 Pennsylvania Certification #: 68-00563  
 Puerto Rico Certification  
 Tennessee Certification #: 02818  
 Texas Certification #: T104704192  
 Washington Certification #: C754  
 Wisconsin Certification #: 999407970

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
 North Carolina Drinking Water Certification #: 37706  
 North Carolina Field Services Certification #: 5342  
 North Carolina Wastewater Certification #: 12  
 South Carolina Certification #: 99006001  
 South Carolina Drinking Water Cert. #: 99006003  
 Virginia Drinking Water Certification #: 00213

Connecticut Certification #: PH-0104  
 Florida/NELAP Certification #: E87627  
 Kentucky UST Certification #: 84  
 Louisiana DHH Drinking Water # LA 100031  
 West Virginia Certification #: 357  
 Virginia/VELAP Certification #: 460144

### Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804  
 Florida/NELAP Certification #: E87648  
 Massachusetts Certification #: M-NC030  
 North Carolina Drinking Water Certification #: 37712  
 North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001  
 Virginia Certification #: 00072  
 West Virginia Certification #: 356  
 Virginia/VELAP Certification #: 460147

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 Huntersville, NC 28078  
 (704)875-9092

### SAMPLE ANALYTE COUNT

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92109038001	MW9I	RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		92109038002	WW9D	RSK 175	SK4
EPA 8260	KJM			63	PASI-C
SM 2320B	AES			1	PASI-A
SM 3500-Fe D#4	SDH			1	PASI-A
SM 4500-S2D	AES			1	PASI-A
EPA 300.0	SAJ			1	PASI-A
EPA 353.2	DMN			3	PASI-A
SM 5310B	SAJ			1	PASI-A
92109038003	MW2S			RSK 175	SK4
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		92109038004	MW2I	RSK 175	SK4
EPA 8260	KJM			63	PASI-C
SM 2320B	AES			1	PASI-A
SM 3500-Fe D#4	SDH			1	PASI-A
SM 4500-S2D	AES			1	PASI-A
EPA 300.0	SAJ			1	PASI-A
EPA 353.2	DMN			3	PASI-A
SM 5310B	SAJ			1	PASI-A
92109038005	MW1S			RSK 175	SK4
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A

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 (704)875-9092

### SAMPLE ANALYTE COUNT

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92109038006	MW11	EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
92109038007	TRIP BLANK	SM 5310B	SAJ	1	PASI-A
		EPA 8260	KJM	63	PASI-C

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Sample: MW91	Lab ID: 92109038001	Collected: 12/21/11 09:05	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/27/11 15:44	74-84-0	
Ethene	ND ug/L		10.0	1		12/27/11 15:44	74-85-1	
Methane	ND ug/L		10.0	1		12/27/11 15:44	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/29/11 06:36	67-64-1	
Benzene	ND ug/L		1.0	1		12/29/11 06:36	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/29/11 06:36	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/29/11 06:36	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/29/11 06:36	75-27-4	
Bromoform	ND ug/L		1.0	1		12/29/11 06:36	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/29/11 06:36	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/29/11 06:36	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/29/11 06:36	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/29/11 06:36	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/29/11 06:36	75-00-3	
Chloroform	ND ug/L		1.0	1		12/29/11 06:36	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/29/11 06:36	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/29/11 06:36	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/29/11 06:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/29/11 06:36	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/29/11 06:36	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/29/11 06:36	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/29/11 06:36	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 06:36	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 06:36	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/29/11 06:36	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/29/11 06:36	75-71-8	
1,1-Dichloroethane	1.2 ug/L		1.0	1		12/29/11 06:36	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/29/11 06:36	107-06-2	
1,1-Dichloroethene	3.4 ug/L		1.0	1		12/29/11 06:36	75-35-4	
cis-1,2-Dichloroethene	113 ug/L		1.0	1		12/29/11 06:36	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/29/11 06:36	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/29/11 06:36	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/29/11 06:36	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/29/11 06:36	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/29/11 06:36	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/29/11 06:36	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/29/11 06:36	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/29/11 06:36	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/29/11 06:36	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/29/11 06:36	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/29/11 06:36	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/29/11 06:36	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/29/11 06:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/29/11 06:36	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/29/11 06:36	1634-04-4	

Date: 01/09/2012 04:52 PM

### REPORT OF LABORATORY ANALYSIS

Page 5 of 45

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## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

Sample: MW91	Lab ID: 92109038001	Collected: 12/21/11 09:05	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/29/11 06:36	91-20-3	
Styrene	ND ug/L		1.0	1		12/29/11 06:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/29/11 06:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/29/11 06:36	79-34-5	
Tetrachloroethene	1.6 ug/L		1.0	1		12/29/11 06:36	127-18-4	
Toluene	ND ug/L		1.0	1		12/29/11 06:36	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/29/11 06:36	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/29/11 06:36	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/29/11 06:36	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/29/11 06:36	79-00-5	
Trichloroethene	1110 ug/L		20.0	20		12/30/11 22:19	79-01-6	
Trichlorofluoromethane	1.3 ug/L		1.0	1		12/29/11 06:36	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/29/11 06:36	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/29/11 06:36	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/29/11 06:36	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/29/11 06:36	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/29/11 06:36	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	102 %		70-130	1		12/29/11 06:36	460-00-4	
Dibromofluoromethane (S)	102 %		70-130	1		12/29/11 06:36	1868-53-7	
1,2-Dichloroethane-d4 (S)	102 %		70-130	1		12/29/11 06:36	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		12/29/11 06:36	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	61.7 mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:21		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		01/04/12 19:04	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	0.48 mg/L		0.20	1		12/22/11 21:49		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/22/11 21:49		
Nitrogen, NO2 plus NO3	0.48 mg/L		0.20	1		12/22/11 21:49		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	2.4 mg/L		1.0	1		12/30/11 18:08	7440-44-0	



## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Sample: WW9D	Lab ID: 92109038002	Collected: 12/21/11 10:25	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/27/11 16:06	74-84-0	
Ethene	ND ug/L		10.0	1		12/27/11 16:06	74-85-1	
Methane	ND ug/L		10.0	1		12/27/11 16:06	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/30/11 20:42	67-64-1	
Benzene	ND ug/L		1.0	1		12/30/11 20:42	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/30/11 20:42	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/30/11 20:42	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/30/11 20:42	75-27-4	
Bromoform	ND ug/L		1.0	1		12/30/11 20:42	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/30/11 20:42	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/30/11 20:42	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/30/11 20:42	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/30/11 20:42	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/30/11 20:42	75-00-3	
Chloroform	ND ug/L		1.0	1		12/30/11 20:42	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/30/11 20:42	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/30/11 20:42	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/30/11 20:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/30/11 20:42	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/30/11 20:42	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/30/11 20:42	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/30/11 20:42	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/30/11 20:42	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/30/11 20:42	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/30/11 20:42	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/30/11 20:42	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/30/11 20:42	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/30/11 20:42	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/30/11 20:42	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		12/30/11 20:42	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/30/11 20:42	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/30/11 20:42	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/30/11 20:42	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/30/11 20:42	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/30/11 20:42	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/30/11 20:42	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/30/11 20:42	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/30/11 20:42	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/30/11 20:42	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/30/11 20:42	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/30/11 20:42	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/30/11 20:42	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/30/11 20:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/30/11 20:42	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/30/11 20:42	1634-04-4	

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## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Sample: <b>WW9D</b>	Lab ID: <b>92109038002</b>	Collected: 12/21/11 10:25	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/30/11 20:42	91-20-3	
Styrene	ND ug/L		1.0	1		12/30/11 20:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/30/11 20:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/30/11 20:42	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/30/11 20:42	127-18-4	
Toluene	ND ug/L		1.0	1		12/30/11 20:42	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/30/11 20:42	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/30/11 20:42	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/30/11 20:42	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/30/11 20:42	79-00-5	
Trichloroethene	ND ug/L		1.0	1		12/30/11 20:42	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/30/11 20:42	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/30/11 20:42	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/30/11 20:42	108-05-4	
Vinyl chloride	1.2 ug/L		1.0	1		12/30/11 20:42	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/30/11 20:42	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/30/11 20:42	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94 %		70-130	1		12/30/11 20:42	460-00-4	
Dibromofluoromethane (S)	106 %		70-130	1		12/30/11 20:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	104 %		70-130	1		12/30/11 20:42	17060-07-0	
Toluene-d8 (S)	102 %		70-130	1		12/30/11 20:42	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	84.4 mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:23		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	9.1 mg/L		5.0	1		01/04/12 19:18	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	ND mg/L		0.20	1		12/22/11 22:03		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/22/11 22:03		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		12/22/11 22:03		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	2.2 mg/L		1.0	1		12/30/11 18:20	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Sample: MW2S	Lab ID: 92109038003	Collected: 12/21/11 11:56	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/27/11 16:16	74-84-0	
Ethene	ND ug/L		10.0	1		12/27/11 16:16	74-85-1	
Methane	11.2 ug/L		10.0	1		12/27/11 16:16	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/03/12 14:11	67-64-1	
Benzene	ND ug/L		1.0	1		01/03/12 14:11	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/03/12 14:11	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/03/12 14:11	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/03/12 14:11	75-27-4	
Bromoform	ND ug/L		1.0	1		01/03/12 14:11	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/03/12 14:11	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/03/12 14:11	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/03/12 14:11	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/03/12 14:11	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/03/12 14:11	75-00-3	
Chloroform	ND ug/L		1.0	1		01/03/12 14:11	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/03/12 14:11	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/03/12 14:11	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/03/12 14:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/03/12 14:11	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/03/12 14:11	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/03/12 14:11	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/03/12 14:11	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:11	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:11	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:11	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/03/12 14:11	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/03/12 14:11	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/03/12 14:11	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/03/12 14:11	75-35-4	
cis-1,2-Dichloroethene	1.0 ug/L		1.0	1		01/03/12 14:11	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/03/12 14:11	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:11	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:11	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:11	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:11	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:11	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:11	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/03/12 14:11	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/03/12 14:11	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/03/12 14:11	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/03/12 14:11	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/03/12 14:11	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/03/12 14:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/03/12 14:11	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/03/12 14:11	1634-04-4	

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### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

Sample: MW2S	Lab ID: 92109038003	Collected: 12/21/11 11:56	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		01/03/12 14:11	91-20-3	
Styrene	ND ug/L		1.0	1		01/03/12 14:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 14:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 14:11	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/03/12 14:11	127-18-4	
Toluene	ND ug/L		1.0	1		01/03/12 14:11	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 14:11	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 14:11	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/03/12 14:11	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/03/12 14:11	79-00-5	
Trichloroethene	2.9 ug/L		1.0	1		01/03/12 14:11	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/03/12 14:11	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/03/12 14:11	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/03/12 14:11	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/03/12 14:11	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/03/12 14:11	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/03/12 14:11	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		01/03/12 14:11	460-00-4	
Dibromofluoromethane (S)	111 %		70-130	1		01/03/12 14:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	110 %		70-130	1		01/03/12 14:11	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		01/03/12 14:11	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	19.5 mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:23		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	7.9 mg/L		5.0	1		01/04/12 19:31	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	0.43 mg/L		0.20	1		12/22/11 22:06		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/22/11 22:06		
Nitrogen, NO2 plus NO3	0.43 mg/L		0.20	1		12/22/11 22:06		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	3.7 mg/L		1.0	1		12/30/11 18:35	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

Sample: MW21	Lab ID: 92109038004	Collected: 12/21/11 13:13	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/27/11 16:27	74-84-0	
Ethene	ND ug/L		10.0	1		12/27/11 16:27	74-85-1	
Methane	ND ug/L		10.0	1		12/27/11 16:27	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/31/11 03:58	67-64-1	
Benzene	ND ug/L		1.0	1		12/31/11 03:58	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/31/11 03:58	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/31/11 03:58	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/31/11 03:58	75-27-4	
Bromoform	ND ug/L		1.0	1		12/31/11 03:58	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/31/11 03:58	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/31/11 03:58	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/31/11 03:58	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/31/11 03:58	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/31/11 03:58	75-00-3	
Chloroform	4.0 ug/L		1.0	1		12/31/11 03:58	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/31/11 03:58	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/31/11 03:58	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/31/11 03:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/31/11 03:58	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/31/11 03:58	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/31/11 03:58	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/31/11 03:58	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 03:58	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 03:58	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 03:58	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/31/11 03:58	75-71-8	
1,1-Dichloroethane	2.1 ug/L		1.0	1		12/31/11 03:58	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/31/11 03:58	107-06-2	
1,1-Dichloroethene	11.9 ug/L		1.0	1		12/31/11 03:58	75-35-4	
cis-1,2-Dichloroethene	924 ug/L		250	250		01/03/12 22:16	156-59-2	
trans-1,2-Dichloroethene	24.1 ug/L		1.0	1		12/31/11 03:58	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 03:58	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/31/11 03:58	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 03:58	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/31/11 03:58	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 03:58	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 03:58	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/31/11 03:58	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/31/11 03:58	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/31/11 03:58	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/31/11 03:58	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/31/11 03:58	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/31/11 03:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/31/11 03:58	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/31/11 03:58	1634-04-4	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Sample: MW21	Lab ID: 92109038004	Collected: 12/21/11 13:13	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/31/11 03:58	91-20-3	
Styrene	ND ug/L		1.0	1		12/31/11 03:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 03:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 03:58	79-34-5	
Tetrachloroethene	1.2 ug/L		1.0	1		12/31/11 03:58	127-18-4	
Toluene	ND ug/L		1.0	1		12/31/11 03:58	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 03:58	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 03:58	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/31/11 03:58	71-55-6	
1,1,2-Trichloroethane	2.7 ug/L		1.0	1		12/31/11 03:58	79-00-5	
Trichloroethene	11500 ug/L		250	250		01/03/12 22:16	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/31/11 03:58	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/31/11 03:58	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/31/11 03:58	108-05-4	
Vinyl chloride	1.3 ug/L		1.0	1		12/31/11 03:58	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/31/11 03:58	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/31/11 03:58	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	100 %		70-130	1		12/31/11 03:58	460-00-4	
Dibromofluoromethane (S)	110 %		70-130	1		12/31/11 03:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	110 %		70-130	1		12/31/11 03:58	17060-07-0	
Toluene-d8 (S)	96 %		70-130	1		12/31/11 03:58	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	29.2 mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:25		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		01/04/12 20:12	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	1.5 mg/L		0.20	1		12/22/11 22:08		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/22/11 22:08		
Nitrogen, NO2 plus NO3	1.5 mg/L		0.20	1		12/22/11 22:08		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	1.8 mg/L		1.0	1		12/30/11 18:44	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Sample: MW1S	Lab ID: 92109038005	Collected: 12/21/11 14:45	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/27/11 16:38	74-84-0	
Ethene	ND ug/L		10.0	1		12/27/11 16:38	74-85-1	
Methane	ND ug/L		10.0	1		12/27/11 16:38	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/03/12 14:35	67-64-1	
Benzene	ND ug/L		1.0	1		01/03/12 14:35	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/03/12 14:35	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/03/12 14:35	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/03/12 14:35	75-27-4	
Bromoform	ND ug/L		1.0	1		01/03/12 14:35	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/03/12 14:35	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/03/12 14:35	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/03/12 14:35	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/03/12 14:35	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/03/12 14:35	75-00-3	
Chloroform	ND ug/L		1.0	1		01/03/12 14:35	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/03/12 14:35	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/03/12 14:35	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/03/12 14:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/03/12 14:35	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/03/12 14:35	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/03/12 14:35	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/03/12 14:35	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:35	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:35	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:35	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/03/12 14:35	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/03/12 14:35	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/03/12 14:35	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/03/12 14:35	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/03/12 14:35	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/03/12 14:35	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:35	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:35	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:35	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:35	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:35	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:35	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/03/12 14:35	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/03/12 14:35	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/03/12 14:35	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/03/12 14:35	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/03/12 14:35	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/03/12 14:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/03/12 14:35	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/03/12 14:35	1634-04-4	



### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

Sample: MW1S	Lab ID: 92109038005	Collected: 12/21/11 14:45	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		01/03/12 14:35	91-20-3	
Styrene	ND ug/L		1.0	1		01/03/12 14:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 14:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 14:35	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/03/12 14:35	127-18-4	
Toluene	ND ug/L		1.0	1		01/03/12 14:35	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 14:35	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 14:35	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/03/12 14:35	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/03/12 14:35	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/03/12 14:35	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/03/12 14:35	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/03/12 14:35	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/03/12 14:35	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/03/12 14:35	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/03/12 14:35	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/03/12 14:35	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98 %		70-130	1		01/03/12 14:35	460-00-4	
Dibromofluoromethane (S)	113 %		70-130	1		01/03/12 14:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	114 %		70-130	1		01/03/12 14:35	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		01/03/12 14:35	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	16.2 mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:28		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		01/04/12 20:25	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	0.56 mg/L		0.20	1		12/22/11 22:11		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/22/11 22:11		
Nitrogen, NO2 plus NO3	0.56 mg/L		0.20	1		12/22/11 22:11		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	ND mg/L		1.0	1		12/30/11 18:54	7440-44-0	



## ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Sample: MW11	Lab ID: 92109038006	Collected: 12/21/11 15:41	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/28/11 15:16	74-84-0	
Ethene	ND ug/L		10.0	1		12/28/11 15:16	74-85-1	
Methane	ND ug/L		10.0	1		12/28/11 15:16	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/03/12 14:59	67-64-1	
Benzene	ND ug/L		1.0	1		01/03/12 14:59	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/03/12 14:59	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/03/12 14:59	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/03/12 14:59	75-27-4	
Bromoform	ND ug/L		1.0	1		01/03/12 14:59	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/03/12 14:59	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/03/12 14:59	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/03/12 14:59	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/03/12 14:59	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/03/12 14:59	75-00-3	
Chloroform	ND ug/L		1.0	1		01/03/12 14:59	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/03/12 14:59	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/03/12 14:59	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/03/12 14:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/03/12 14:59	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/03/12 14:59	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/03/12 14:59	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/03/12 14:59	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:59	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:59	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 14:59	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/03/12 14:59	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/03/12 14:59	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/03/12 14:59	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/03/12 14:59	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/03/12 14:59	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/03/12 14:59	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:59	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:59	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 14:59	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:59	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:59	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 14:59	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/03/12 14:59	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/03/12 14:59	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/03/12 14:59	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/03/12 14:59	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/03/12 14:59	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/03/12 14:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/03/12 14:59	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/03/12 14:59	1634-04-4	



### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

Sample: MW11	Lab ID: 92109038006	Collected: 12/21/11 15:41	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		01/03/12 14:59	91-20-3	
Styrene	ND ug/L		1.0	1		01/03/12 14:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 14:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 14:59	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/03/12 14:59	127-18-4	
Toluene	ND ug/L		1.0	1		01/03/12 14:59	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 14:59	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 14:59	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/03/12 14:59	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/03/12 14:59	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/03/12 14:59	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/03/12 14:59	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/03/12 14:59	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/03/12 14:59	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/03/12 14:59	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/03/12 14:59	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/03/12 14:59	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97 %		70-130	1		01/03/12 14:59	460-00-4	
Dibromofluoromethane (S)	115 %		70-130	1		01/03/12 14:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	115 %		70-130	1		01/03/12 14:59	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		01/03/12 14:59	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	23.8 mg/L		5.0	1		12/28/11 11:10		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:30		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		01/04/12 20:39	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	0.66 mg/L		0.20	1		12/22/11 22:15		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/22/11 22:15		
Nitrogen, NO2 plus NO3	0.66 mg/L		0.20	1		12/22/11 22:15		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	ND mg/L		1.0	1		12/30/11 19:04	7440-44-0	



### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

Sample: TRIP BLANK	Lab ID: 92109038007	Collected: 12/21/11 00:00	Received: 12/22/11 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/30/11 10:25	67-64-1	
Benzene	ND ug/L		1.0	1		12/30/11 10:25	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/30/11 10:25	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/30/11 10:25	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/30/11 10:25	75-27-4	
Bromoform	ND ug/L		1.0	1		12/30/11 10:25	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/30/11 10:25	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/30/11 10:25	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/30/11 10:25	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/30/11 10:25	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/30/11 10:25	75-00-3	
Chloroform	ND ug/L		1.0	1		12/30/11 10:25	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/30/11 10:25	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/30/11 10:25	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/30/11 10:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/30/11 10:25	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/30/11 10:25	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/30/11 10:25	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/30/11 10:25	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/30/11 10:25	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/30/11 10:25	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/30/11 10:25	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/30/11 10:25	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/30/11 10:25	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/30/11 10:25	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/30/11 10:25	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		12/30/11 10:25	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/30/11 10:25	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/30/11 10:25	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/30/11 10:25	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/30/11 10:25	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/30/11 10:25	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/30/11 10:25	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/30/11 10:25	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/30/11 10:25	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/30/11 10:25	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/30/11 10:25	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/30/11 10:25	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/30/11 10:25	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/30/11 10:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/30/11 10:25	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/30/11 10:25	1634-04-4	
Naphthalene	ND ug/L		1.0	1		12/30/11 10:25	91-20-3	
Styrene	ND ug/L		1.0	1		12/30/11 10:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/30/11 10:25	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/30/11 10:25	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/30/11 10:25	127-18-4	



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### ANALYTICAL RESULTS

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

Sample: TRIP BLANK		Lab ID: 92109038007	Collected: 12/21/11 00:00	Received: 12/22/11 10:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND ug/L		1.0	1		12/30/11 10:25	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/30/11 10:25	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/30/11 10:25	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/30/11 10:25	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/30/11 10:25	79-00-5	
Trichloroethene	ND ug/L		1.0	1		12/30/11 10:25	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/30/11 10:25	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/30/11 10:25	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/30/11 10:25	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/30/11 10:25	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/30/11 10:25	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/30/11 10:25	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96 %		70-130	1		12/30/11 10:25	460-00-4	
Dibromofluoromethane (S)	114 %		70-130	1		12/30/11 10:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	116 %		70-130	1		12/30/11 10:25	17060-07-0	
Toluene-d8 (S)	93 %		70-130	1		12/30/11 10:25	2037-26-5	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

QC Batch: AIR/13906 Analysis Method: RSK 175  
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE  
Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005

METHOD BLANK: 1121115 Matrix: Water  
Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	10.0	12/27/11 13:15	
Ethene	ug/L	ND	10.0	12/27/11 13:15	
Methane	ug/L	ND	10.0	12/27/11 13:15	

LABORATORY CONTROL SAMPLE & LCSD: 1121116 1121117

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	110	124	97	109	70-130	12	30	
Ethene	ug/L	106	103	116	97	109	70-130	11	30	
Methane	ug/L	60.7	63.5	65.2	105	107	70-130	3	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1121494 1121495

Parameter	Units	60112608010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Ethane	ug/L	ND	152	120	113	116	75	97	30-150	3	
Ethene	ug/L	ND	141	112	110	109	78	98	30-150	.7	
Methane	ug/L	ND	80.9	63.8	61.9	60.8	76	94	30-150	2	

SAMPLE DUPLICATE: 1121493

Parameter	Units	92109038001 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	6.4J		

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

QC Batch: AIR/13907 Analysis Method: RSK 175  
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE  
Associated Lab Samples: 92109038006

METHOD BLANK: 1121121 Matrix: Water  
Associated Lab Samples: 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	10.0	12/28/11 09:57	
Ethene	ug/L	ND	10.0	12/28/11 09:57	
Methane	ug/L	ND	10.0	12/28/11 09:57	

LABORATORY CONTROL SAMPLE & LCSD: 1121122

1121123

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	106	111	93	97	70-130	4	30	
Ethene	ug/L	106	98.2	105	93	99	70-130	7	30	
Methane	ug/L	60.7	58.6	60.8	97	100	70-130	4	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122069

1122070

Parameter	Units	5056307003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Ethane	ug/L	ND	120	108	99.2	114	83	105	30-150	14	
Ethene	ug/L	ND	112	101	93.6	105	84	104	30-150	12	
Methane	ug/L	ND	63.8	57.8	57.5	61.2	84	99	30-150	6	

SAMPLE DUPLICATE: 1122078

Parameter	Units	10179270002 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	15.4 mg/L	12200	23	E

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

QC Batch: MSV/17775

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92109038001

METHOD BLANK: 705022

Matrix: Water

Associated Lab Samples: 92109038001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1-Dichloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,1-Dichloroethene	ug/L	ND	1.0	12/28/11 22:55	
1,1-Dichloropropene	ug/L	ND	1.0	12/28/11 22:55	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/28/11 22:55	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/28/11 22:55	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dichloroethane	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dichloropropane	ug/L	ND	1.0	12/28/11 22:55	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
1,3-Dichloropropane	ug/L	ND	1.0	12/28/11 22:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
2,2-Dichloropropane	ug/L	ND	1.0	12/28/11 22:55	
2-Butanone (MEK)	ug/L	ND	5.0	12/28/11 22:55	
2-Chlorotoluene	ug/L	ND	1.0	12/28/11 22:55	
2-Hexanone	ug/L	ND	5.0	12/28/11 22:55	
4-Chlorotoluene	ug/L	ND	1.0	12/28/11 22:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/28/11 22:55	
Acetone	ug/L	ND	25.0	12/28/11 22:55	
Benzene	ug/L	ND	1.0	12/28/11 22:55	
Bromobenzene	ug/L	ND	1.0	12/28/11 22:55	
Bromochloromethane	ug/L	ND	1.0	12/28/11 22:55	
Bromodichloromethane	ug/L	ND	1.0	12/28/11 22:55	
Bromoform	ug/L	ND	1.0	12/28/11 22:55	
Bromomethane	ug/L	ND	2.0	12/28/11 22:55	
Carbon tetrachloride	ug/L	ND	1.0	12/28/11 22:55	
Chlorobenzene	ug/L	ND	1.0	12/28/11 22:55	
Chloroethane	ug/L	ND	1.0	12/28/11 22:55	
Chloroform	ug/L	ND	1.0	12/28/11 22:55	
Chloromethane	ug/L	ND	1.0	12/28/11 22:55	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/28/11 22:55	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/28/11 22:55	
Dibromochloromethane	ug/L	ND	1.0	12/28/11 22:55	
Dibromomethane	ug/L	ND	1.0	12/28/11 22:55	
Dichlorodifluoromethane	ug/L	ND	1.0	12/28/11 22:55	
Diisopropyl ether	ug/L	ND	1.0	12/28/11 22:55	
Ethylbenzene	ug/L	ND	1.0	12/28/11 22:55	

Date: 01/09/2012 04:52 PM

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

METHOD BLANK: 705022

Matrix: Water

Associated Lab Samples: 92109038001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/28/11 22:55	
m&p-Xylene	ug/L	ND	2.0	12/28/11 22:55	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/28/11 22:55	
Methylene Chloride	ug/L	ND	2.0	12/28/11 22:55	
Naphthalene	ug/L	ND	1.0	12/28/11 22:55	
o-Xylene	ug/L	ND	1.0	12/28/11 22:55	
p-Isopropyltoluene	ug/L	ND	1.0	12/28/11 22:55	
Styrene	ug/L	ND	1.0	12/28/11 22:55	
Tetrachloroethene	ug/L	ND	1.0	12/28/11 22:55	
Toluene	ug/L	ND	1.0	12/28/11 22:55	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/28/11 22:55	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/28/11 22:55	
Trichloroethene	ug/L	ND	1.0	12/28/11 22:55	
Trichlorofluoromethane	ug/L	ND	1.0	12/28/11 22:55	
Vinyl acetate	ug/L	ND	2.0	12/28/11 22:55	
Vinyl chloride	ug/L	ND	1.0	12/28/11 22:55	
1,2-Dichloroethane-d4 (S)	%	104	70-130	12/28/11 22:55	
4-Bromofluorobenzene (S)	%	95	70-130	12/28/11 22:55	
Dibromofluoromethane (S)	%	100	70-130	12/28/11 22:55	
Toluene-d8 (S)	%	101	70-130	12/28/11 22:55	

LABORATORY CONTROL SAMPLE: 705023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.0	104	70-130	
1,1,1-Trichloroethane	ug/L	50	48.7	97	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	103	70-130	
1,1,2-Trichloroethane	ug/L	50	48.6	97	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	70-130	
1,1-Dichloroethene	ug/L	50	53.3	107	70-132	
1,1-Dichloropropene	ug/L	50	51.1	102	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.4	109	70-135	
1,2,3-Trichloropropane	ug/L	50	47.8	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.2	110	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	50.8	102	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.0	110	70-130	
1,2-Dichlorobenzene	ug/L	50	52.9	106	70-130	
1,2-Dichloroethane	ug/L	50	50.6	101	70-130	
1,2-Dichloropropane	ug/L	50	50.1	100	70-130	
1,3-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,3-Dichloropropane	ug/L	50	51.9	104	70-130	
1,4-Dichlorobenzene	ug/L	50	48.9	98	70-130	
2,2-Dichloropropane	ug/L	50	46.8	94	58-145	
2-Butanone (MEK)	ug/L	100	99.7	100	70-145	
2-Chlorotoluene	ug/L	50	51.6	103	70-130	



### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

LABORATORY CONTROL SAMPLE: 705023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	108	108	70-144	
4-Chlorotoluene	ug/L	50	53.4	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	70-140	
Acetone	ug/L	100	95.9	96	50-175	
Benzene	ug/L	50	50.5	101	70-130	
Bromobenzene	ug/L	50	48.8	98	70-130	
Bromochloromethane	ug/L	50	50.1	100	70-130	
Bromodichloromethane	ug/L	50	47.7	95	70-130	
Bromoform	ug/L	50	48.8	98	70-130	
Bromomethane	ug/L	50	48.2	96	54-130	
Carbon tetrachloride	ug/L	50	51.0	102	70-132	
Chlorobenzene	ug/L	50	53.4	107	70-130	
Chloroethane	ug/L	50	48.8	98	64-134	
Chloroform	ug/L	50	50.1	100	70-130	
Chloromethane	ug/L	50	49.7	99	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.2	100	70-130	
Dibromochloromethane	ug/L	50	48.1	96	70-130	
Dibromomethane	ug/L	50	51.3	103	70-131	
Dichlorodifluoromethane	ug/L	50	45.9	92	56-130	
Diisopropyl ether	ug/L	50	46.7	93	70-130	
Ethylbenzene	ug/L	50	52.7	105	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.7	107	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	47.9	96	70-130	
Methylene Chloride	ug/L	50	55.5	111	63-130	
Naphthalene	ug/L	50	56.7	113	70-138	
o-Xylene	ug/L	50	52.6	105	70-130	
p-Isopropyltoluene	ug/L	50	55.1	110	70-130	
Styrene	ug/L	50	54.2	108	70-130	
Tetrachloroethene	ug/L	50	52.4	105	70-130	
Toluene	ug/L	50	49.9	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
trans-1,3-Dichloropropene	ug/L	50	50.2	100	70-132	
Trichloroethene	ug/L	50	52.1	104	70-130	
Trichlorofluoromethane	ug/L	50	49.0	98	62-133	
Vinyl acetate	ug/L	100	79.3	79	66-157	
Vinyl chloride	ug/L	50	50.2	100	69-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Parameter	92109036006		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
	Units	Result	Spike Conc.	MS Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec					
1,1-Dichloroethene	ug/L	ND	50	50	65.3	61.3	131	123	70-166	6			
Benzene	ug/L	ND	50	50	53.6	52.6	107	105	70-148	2			
Chlorobenzene	ug/L	ND	50	50	65.4	63.3	131	127	70-146	3			
Toluene	ug/L	ND	50	50	61.4	60.6	123	121	70-155	1			
Trichloroethene	ug/L	ND	50	50	62.1	62.8	124	126	69-151	1			
1,2-Dichloroethane-d4 (S)	%						100	102	70-130				
4-Bromofluorobenzene (S)	%						100	101	70-130				
Dibromofluoromethane (S)	%						101	100	70-130				
Toluene-d8 (S)	%						99	98	70-130				

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

QC Batch: MSV/17791

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92109038007

METHOD BLANK: 705577

Matrix: Water

Associated Lab Samples: 92109038007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/30/11 09:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/30/11 09:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/30/11 09:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/30/11 09:09	
1,1-Dichloroethane	ug/L	ND	1.0	12/30/11 09:09	
1,1-Dichloroethene	ug/L	ND	1.0	12/30/11 09:09	
1,1-Dichloropropene	ug/L	ND	1.0	12/30/11 09:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/30/11 09:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/30/11 09:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/30/11 09:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/30/11 09:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/30/11 09:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/30/11 09:09	
1,2-Dichloroethane	ug/L	ND	1.0	12/30/11 09:09	
1,2-Dichloropropane	ug/L	ND	1.0	12/30/11 09:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/30/11 09:09	
1,3-Dichloropropane	ug/L	ND	1.0	12/30/11 09:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/30/11 09:09	
2,2-Dichloropropane	ug/L	ND	1.0	12/30/11 09:09	
2-Butanone (MEK)	ug/L	ND	5.0	12/30/11 09:09	
2-Chlorotoluene	ug/L	ND	1.0	12/30/11 09:09	
2-Hexanone	ug/L	ND	5.0	12/30/11 09:09	
4-Chlorotoluene	ug/L	ND	1.0	12/30/11 09:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/30/11 09:09	
Acetone	ug/L	ND	25.0	12/30/11 09:09	
Benzene	ug/L	ND	1.0	12/30/11 09:09	
Bromobenzene	ug/L	ND	1.0	12/30/11 09:09	
Bromochloromethane	ug/L	ND	1.0	12/30/11 09:09	
Bromodichloromethane	ug/L	ND	1.0	12/30/11 09:09	
Bromoform	ug/L	ND	1.0	12/30/11 09:09	
Bromomethane	ug/L	ND	2.0	12/30/11 09:09	
Carbon tetrachloride	ug/L	ND	1.0	12/30/11 09:09	
Chlorobenzene	ug/L	ND	1.0	12/30/11 09:09	
Chloroethane	ug/L	ND	1.0	12/30/11 09:09	
Chloroform	ug/L	ND	1.0	12/30/11 09:09	
Chloromethane	ug/L	ND	1.0	12/30/11 09:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/30/11 09:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/30/11 09:09	
Dibromochloromethane	ug/L	ND	1.0	12/30/11 09:09	
Dibromomethane	ug/L	ND	1.0	12/30/11 09:09	
Dichlorodifluoromethane	ug/L	ND	1.0	12/30/11 09:09	
Diisopropyl ether	ug/L	ND	1.0	12/30/11 09:09	
Ethylbenzene	ug/L	ND	1.0	12/30/11 09:09	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

METHOD BLANK: 705577

Matrix: Water

Associated Lab Samples: 92109038007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/30/11 09:09	
m&p-Xylene	ug/L	ND	2.0	12/30/11 09:09	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/30/11 09:09	
Methylene Chloride	ug/L	ND	2.0	12/30/11 09:09	
Naphthalene	ug/L	ND	1.0	12/30/11 09:09	
o-Xylene	ug/L	ND	1.0	12/30/11 09:09	
p-Isopropyltoluene	ug/L	ND	1.0	12/30/11 09:09	
Styrene	ug/L	ND	1.0	12/30/11 09:09	
Tetrachloroethene	ug/L	ND	1.0	12/30/11 09:09	
Toluene	ug/L	ND	1.0	12/30/11 09:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/30/11 09:09	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/30/11 09:09	
Trichloroethene	ug/L	ND	1.0	12/30/11 09:09	
Trichlorofluoromethane	ug/L	ND	1.0	12/30/11 09:09	
Vinyl acetate	ug/L	ND	2.0	12/30/11 09:09	
Vinyl chloride	ug/L	ND	1.0	12/30/11 09:09	
1,2-Dichloroethane-d4 (S)	%	113	70-130	12/30/11 09:09	
4-Bromofluorobenzene (S)	%	97	70-130	12/30/11 09:09	
Dibromofluoromethane (S)	%	113	70-130	12/30/11 09:09	
Toluene-d8 (S)	%	93	70-130	12/30/11 09:09	

LABORATORY CONTROL SAMPLE: 705578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	59.1	118	70-130	
1,1,1-Trichloroethane	ug/L	50	53.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.6	97	70-130	
1,1,2-Trichloroethane	ug/L	50	51.7	103	70-130	
1,1-Dichloroethane	ug/L	50	50.5	101	70-130	
1,1-Dichloroethene	ug/L	50	54.1	108	70-132	
1,1-Dichloropropene	ug/L	50	49.6	99	70-130	
1,2,3-Trichlorobenzene	ug/L	50	51.2	102	70-135	
1,2,3-Trichloropropane	ug/L	50	47.7	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	52.1	104	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	54.0	108	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.5	105	70-130	
1,2-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,2-Dichloroethane	ug/L	50	56.9	114	70-130	
1,2-Dichloropropane	ug/L	50	50.8	102	70-130	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,3-Dichloropropane	ug/L	50	49.9	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
2,2-Dichloropropane	ug/L	50	55.3	111	58-145	
2-Butanone (MEK)	ug/L	100	97.0	97	70-145	
2-Chlorotoluene	ug/L	50	47.6	95	70-130	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

LABORATORY CONTROL SAMPLE: 705578

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	103	103	70-144	
4-Chlorotoluene	ug/L	50	52.7	105	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	70-140	
Acetone	ug/L	100	115	115	50-175	SS
Benzene	ug/L	50	50.0	100	70-130	
Bromobenzene	ug/L	50	49.7	99	70-130	
Bromochloromethane	ug/L	50	55.5	111	70-130	
Bromodichloromethane	ug/L	50	57.5	115	70-130	
Bromoform	ug/L	50	58.1	116	70-130	
Bromomethane	ug/L	50	67.2	134	54-130	L3
Carbon tetrachloride	ug/L	50	65.7	131	70-132	
Chlorobenzene	ug/L	50	50.1	100	70-130	
Chloroethane	ug/L	50	54.6	109	64-134	
Chloroform	ug/L	50	53.8	108	70-130	
Chloromethane	ug/L	50	55.0	110	64-130	
cis-1,2-Dichloroethene	ug/L	50	50.1	100	70-131	
cis-1,3-Dichloropropene	ug/L	50	56.8	114	70-130	
Dibromochloromethane	ug/L	50	58.8	118	70-130	
Dibromomethane	ug/L	50	54.6	109	70-131	
Dichlorodifluoromethane	ug/L	50	55.4	111	56-130	
Diisopropyl ether	ug/L	50	47.5	95	70-130	
Ethylbenzene	ug/L	50	49.8	100	70-130	
Hexachloro-1,3-butadiene	ug/L	50	51.5	103	70-130	
m&p-Xylene	ug/L	100	98.7	99	70-130	
Methyl-tert-butyl ether	ug/L	50	50.5	101	70-130	
Methylene Chloride	ug/L	50	57.3	115	63-130	
Naphthalene	ug/L	50	55.7	111	70-138	
o-Xylene	ug/L	50	50.0	100	70-130	
p-Isopropyltoluene	ug/L	50	51.6	103	70-130	
Styrene	ug/L	50	50.3	101	70-130	
Tetrachloroethene	ug/L	50	49.2	98	70-130	
Toluene	ug/L	50	50.1	100	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	70-130	
trans-1,3-Dichloropropene	ug/L	50	58.5	117	70-132	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	57.4	115	62-133	
Vinyl acetate	ug/L	100	89.2	89	66-157	
Vinyl chloride	ug/L	50	52.6	105	69-130	
1,2-Dichloroethane-d4 (S)	%			112	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			100	70-130	



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**QUALITY CONTROL DATA**

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

Parameter	Units	92109371001		705579		705580		% Rec	% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1,1-Dichloroethene	ug/L	1.6	500	500	641	583	128	116	70-166	10			
Benzene	ug/L	0.31J	500	500	542	510	108	102	70-148	6			
Chlorobenzene	ug/L	<0.23	500	500	573	546	115	109	70-146	5			
Toluene	ug/L	<0.26	500	500	560	535	112	107	70-155	5			
Trichloroethene	ug/L	373	500	500	1000	953	126	116	69-151	5			
1,2-Dichloroethane-d4 (S)	%						110	110	70-130				
4-Bromofluorobenzene (S)	%						100	101	70-130				
Dibromofluoromethane (S)	%						114	112	70-130				
Toluene-d8 (S)	%						98	98	70-130				

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

QC Batch: MSV/17794

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92109038002, 92109038004

METHOD BLANK: 705672

Matrix: Water

Associated Lab Samples: 92109038002, 92109038004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1-Dichloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1-Dichloroethene	ug/L	ND	1.0	12/30/11 19:29	
1,1-Dichloropropene	ug/L	ND	1.0	12/30/11 19:29	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/30/11 19:29	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/30/11 19:29	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dichloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dichloropropane	ug/L	ND	1.0	12/30/11 19:29	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
1,3-Dichloropropane	ug/L	ND	1.0	12/30/11 19:29	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
2,2-Dichloropropane	ug/L	ND	1.0	12/30/11 19:29	
2-Butanone (MEK)	ug/L	ND	5.0	12/30/11 19:29	
2-Chlorotoluene	ug/L	ND	1.0	12/30/11 19:29	
2-Hexanone	ug/L	ND	5.0	12/30/11 19:29	
4-Chlorotoluene	ug/L	ND	1.0	12/30/11 19:29	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/30/11 19:29	
Acetone	ug/L	ND	25.0	12/30/11 19:29	
Benzene	ug/L	ND	1.0	12/30/11 19:29	
Bromobenzene	ug/L	ND	1.0	12/30/11 19:29	
Bromochloromethane	ug/L	ND	1.0	12/30/11 19:29	
Bromodichloromethane	ug/L	ND	1.0	12/30/11 19:29	
Bromoform	ug/L	ND	1.0	12/30/11 19:29	
Bromomethane	ug/L	ND	2.0	12/30/11 19:29	
Carbon tetrachloride	ug/L	ND	1.0	12/30/11 19:29	
Chlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
Chloroethane	ug/L	ND	1.0	12/30/11 19:29	
Chloroform	ug/L	ND	1.0	12/30/11 19:29	
Chloromethane	ug/L	ND	1.0	12/30/11 19:29	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/30/11 19:29	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/30/11 19:29	
Dibromochloromethane	ug/L	ND	1.0	12/30/11 19:29	
Dibromomethane	ug/L	ND	1.0	12/30/11 19:29	
Dichlorodifluoromethane	ug/L	ND	1.0	12/30/11 19:29	
Diisopropyl ether	ug/L	ND	1.0	12/30/11 19:29	
Ethylbenzene	ug/L	ND	1.0	12/30/11 19:29	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

METHOD BLANK: 705672

Matrix: Water

Associated Lab Samples: 92109038002, 92109038004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/30/11 19:29	
m&p-Xylene	ug/L	ND	2.0	12/30/11 19:29	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/30/11 19:29	
Methylene Chloride	ug/L	ND	2.0	12/30/11 19:29	
Naphthalene	ug/L	ND	1.0	12/30/11 19:29	
o-Xylene	ug/L	ND	1.0	12/30/11 19:29	
p-Isopropyltoluene	ug/L	ND	1.0	12/30/11 19:29	
Styrene	ug/L	ND	1.0	12/30/11 19:29	
Tetrachloroethene	ug/L	ND	1.0	12/30/11 19:29	
Toluene	ug/L	ND	1.0	12/30/11 19:29	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/30/11 19:29	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/30/11 19:29	
Trichloroethene	ug/L	ND	1.0	12/30/11 19:29	
Trichlorofluoromethane	ug/L	ND	1.0	12/30/11 19:29	
Vinyl acetate	ug/L	ND	2.0	12/30/11 19:29	
Vinyl chloride	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dichloroethane-d4 (S)	%	106	70-130	12/30/11 19:29	
4-Bromofluorobenzene (S)	%	94	70-130	12/30/11 19:29	
Dibromofluoromethane (S)	%	103	70-130	12/30/11 19:29	
Toluene-d8 (S)	%	102	70-130	12/30/11 19:29	

LABORATORY CONTROL SAMPLE: 705673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.4	111	70-130	
1,1,1-Trichloroethane	ug/L	50	50.4	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	52.0	104	70-130	
1,1-Dichloroethane	ug/L	50	47.2	94	70-130	
1,1-Dichloroethene	ug/L	50	51.9	104	70-132	
1,1-Dichloropropene	ug/L	50	55.0	110	70-130	
1,2,3-Trichlorobenzene	ug/L	50	57.1	114	70-135	
1,2,3-Trichloropropane	ug/L	50	47.3	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	60.3	121	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	53.2	106	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.9	112	70-130	
1,2-Dichlorobenzene	ug/L	50	54.5	109	70-130	
1,2-Dichloroethane	ug/L	50	51.3	103	70-130	
1,2-Dichloropropane	ug/L	50	50.6	101	70-130	
1,3-Dichlorobenzene	ug/L	50	55.1	110	70-130	
1,3-Dichloropropane	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.1	104	70-130	
2,2-Dichloropropane	ug/L	50	46.0	92	58-145	
2-Butanone (MEK)	ug/L	100	102	102	70-145	
2-Chlorotoluene	ug/L	50	54.1	108	70-130	



## QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

LABORATORY CONTROL SAMPLE: 705673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	113	113	70-144	
4-Chlorotoluene	ug/L	50	56.1	112	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	108	108	70-140	
Acetone	ug/L	100	101	101	50-175	
Benzene	ug/L	50	53.2	106	70-130	
Bromobenzene	ug/L	50	50.9	102	70-130	
Bromochloromethane	ug/L	50	49.4	99	70-130	
Bromodichloromethane	ug/L	50	48.4	97	70-130	
Bromoform	ug/L	50	48.2	96	70-130	
Bromomethane	ug/L	50	49.9	100	54-130	
Carbon tetrachloride	ug/L	50	52.5	105	70-132	
Chlorobenzene	ug/L	50	53.9	108	70-130	
Chloroethane	ug/L	50	52.3	105	64-134	
Chloroform	ug/L	50	50.7	101	70-130	
Chloromethane	ug/L	50	49.8	100	64-130	
cis-1,2-Dichloroethene	ug/L	50	49.0	98	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	70-130	
Dibromochloromethane	ug/L	50	49.4	99	70-130	
Dibromomethane	ug/L	50	49.9	100	70-131	
Dichlorodifluoromethane	ug/L	50	51.9	104	56-130	
Diisopropyl ether	ug/L	50	47.0	94	70-130	
Ethylbenzene	ug/L	50	54.4	109	70-130	
Hexachloro-1,3-butadiene	ug/L	50	57.1	114	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	48.6	97	70-130	
Methylene Chloride	ug/L	50	52.7	105	63-130	
Naphthalene	ug/L	50	60.9	122	70-138	
o-Xylene	ug/L	50	53.3	107	70-130	
p-Isopropyltoluene	ug/L	50	59.2	118	70-130	
Styrene	ug/L	50	56.4	113	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	52.6	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.1	104	70-132	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	50.3	101	62-133	
Vinyl acetate	ug/L	100	79.7	80	66-157	
Vinyl chloride	ug/L	50	52.9	106	69-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Parameter	92109185004		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
1,1-Dichloroethene	ug/L	ND	50	50	64.8	61.5	130	123	70-166	5			
Benzene	ug/L	ND	50	50	52.8	51.6	106	103	70-148	2			
Chlorobenzene	ug/L	ND	50	50	62.2	59.8	124	120	70-146	4			
Toluene	ug/L	ND	50	50	61.0	58.9	122	118	70-155	3			
Trichloroethene	ug/L	ND	50	50	61.4	57.0	123	114	69-151	7			
1,2-Dichloroethane-d4 (S)	%						105	108	70-130				
4-Bromofluorobenzene (S)	%						99	96	70-130				
Dibromofluoromethane (S)	%						104	104	70-130				
Toluene-d8 (S)	%						99	98	70-130				

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

QC Batch: MSV/17821 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
 Associated Lab Samples: 92109038003, 92109038005, 92109038006

METHOD BLANK: 706371 Matrix: Water

Associated Lab Samples: 92109038003, 92109038005, 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1-Dichloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1-Dichloroethene	ug/L	ND	1.0	01/03/12 13:22	
1,1-Dichloropropene	ug/L	ND	1.0	01/03/12 13:22	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/03/12 13:22	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/03/12 13:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dichloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dichloropropane	ug/L	ND	1.0	01/03/12 13:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
1,3-Dichloropropane	ug/L	ND	1.0	01/03/12 13:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
2,2-Dichloropropane	ug/L	ND	1.0	01/03/12 13:22	
2-Butanone (MEK)	ug/L	ND	5.0	01/03/12 13:22	
2-Chlorotoluene	ug/L	ND	1.0	01/03/12 13:22	
2-Hexanone	ug/L	ND	5.0	01/03/12 13:22	
4-Chlorotoluene	ug/L	ND	1.0	01/03/12 13:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	01/03/12 13:22	
Acetone	ug/L	ND	25.0	01/03/12 13:22	
Benzene	ug/L	ND	1.0	01/03/12 13:22	
Bromobenzene	ug/L	ND	1.0	01/03/12 13:22	
Bromochloromethane	ug/L	ND	1.0	01/03/12 13:22	
Bromodichloromethane	ug/L	ND	1.0	01/03/12 13:22	
Bromoform	ug/L	ND	1.0	01/03/12 13:22	
Bromomethane	ug/L	ND	2.0	01/03/12 13:22	
Carbon tetrachloride	ug/L	ND	1.0	01/03/12 13:22	
Chlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
Chloroethane	ug/L	ND	1.0	01/03/12 13:22	
Chloroform	ug/L	ND	1.0	01/03/12 13:22	
Chloromethane	ug/L	ND	1.0	01/03/12 13:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/03/12 13:22	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/03/12 13:22	
Dibromochloromethane	ug/L	ND	1.0	01/03/12 13:22	
Dibromomethane	ug/L	ND	1.0	01/03/12 13:22	
Dichlorodifluoromethane	ug/L	ND	1.0	01/03/12 13:22	
Diisopropyl ether	ug/L	ND	1.0	01/03/12 13:22	
Ethylbenzene	ug/L	ND	1.0	01/03/12 13:22	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

METHOD BLANK: 706371

Matrix: Water

Associated Lab Samples: 92109038003, 92109038005, 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/03/12 13:22	
m&p-Xylene	ug/L	ND	2.0	01/03/12 13:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/03/12 13:22	
Methylene Chloride	ug/L	ND	2.0	01/03/12 13:22	
Naphthalene	ug/L	ND	1.0	01/03/12 13:22	
o-Xylene	ug/L	ND	1.0	01/03/12 13:22	
p-Isopropyltoluene	ug/L	ND	1.0	01/03/12 13:22	
Styrene	ug/L	ND	1.0	01/03/12 13:22	
Tetrachloroethene	ug/L	ND	1.0	01/03/12 13:22	
Toluene	ug/L	ND	1.0	01/03/12 13:22	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/03/12 13:22	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/03/12 13:22	
Trichloroethene	ug/L	ND	1.0	01/03/12 13:22	
Trichlorofluoromethane	ug/L	ND	1.0	01/03/12 13:22	
Vinyl acetate	ug/L	ND	2.0	01/03/12 13:22	
Vinyl chloride	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dichloroethane-d4 (S)	%	110	70-130	01/03/12 13:22	
4-Bromofluorobenzene (S)	%	101	70-130	01/03/12 13:22	
Dibromofluoromethane (S)	%	110	70-130	01/03/12 13:22	
Toluene-d8 (S)	%	102	70-130	01/03/12 13:22	

LABORATORY CONTROL SAMPLE: 706372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.9	106	70-130	
1,1,1-Trichloroethane	ug/L	50	50.7	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.1	102	70-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	46.7	93	70-130	
1,1-Dichloroethene	ug/L	50	51.6	103	70-132	
1,1-Dichloropropene	ug/L	50	54.9	110	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.3	109	70-135	
1,2,3-Trichloropropane	ug/L	50	48.5	97	70-130	
1,2,4-Trichlorobenzene	ug/L	50	58.6	117	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	57.5	115	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.7	109	70-130	
1,2-Dichlorobenzene	ug/L	50	53.0	106	70-130	
1,2-Dichloroethane	ug/L	50	50.3	101	70-130	
1,2-Dichloropropane	ug/L	50	47.7	95	70-130	
1,3-Dichlorobenzene	ug/L	50	54.2	108	70-130	
1,3-Dichloropropane	ug/L	50	50.7	101	70-130	
1,4-Dichlorobenzene	ug/L	50	51.7	103	70-130	
2,2-Dichloropropane	ug/L	50	50.6	101	58-145	
2-Butanone (MEK)	ug/L	100	114	114	70-145	
2-Chlorotoluene	ug/L	50	54.3	109	70-130	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

LABORATORY CONTROL SAMPLE: 706372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	114	114	70-144	
4-Chlorotoluene	ug/L	50	55.0	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	70-140	
Acetone	ug/L	100	116	116	50-175	
Benzene	ug/L	50	50.2	100	70-130	
Bromobenzene	ug/L	50	52.5	105	70-130	
Bromochloromethane	ug/L	50	48.0	96	70-130	
Bromodichloromethane	ug/L	50	47.5	95	70-130	
Bromoform	ug/L	50	52.8	106	70-130	
Bromomethane	ug/L	50	28.7	57	54-130	
Carbon tetrachloride	ug/L	50	50.3	101	70-132	
Chlorobenzene	ug/L	50	51.5	103	70-130	
Chloroethane	ug/L	50	48.0	96	64-134	
Chloroform	ug/L	50	50.1	100	70-130	
Chloromethane	ug/L	50	45.5	91	64-130	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	70-130	
Dibromochloromethane	ug/L	50	50.2	100	70-130	
Dibromomethane	ug/L	50	49.4	99	70-131	
Dichlorodifluoromethane	ug/L	50	46.5	93	56-130	
Diisopropyl ether	ug/L	50	47.8	96	70-130	
Ethylbenzene	ug/L	50	51.4	103	70-130	
Hexachloro-1,3-butadiene	ug/L	50	55.4	111	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	48.8	98	70-130	
Methylene Chloride	ug/L	50	48.7	97	63-130	
Naphthalene	ug/L	50	59.3	119	70-138	
o-Xylene	ug/L	50	51.1	102	70-130	
p-Isopropyltoluene	ug/L	50	58.1	116	70-130	
Styrene	ug/L	50	54.3	109	70-130	
Tetrachloroethene	ug/L	50	51.2	102	70-130	
Toluene	ug/L	50	50.9	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	70-132	
Trichloroethene	ug/L	50	53.8	108	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	62-133	
Vinyl acetate	ug/L	100	82.2	82	66-157	
Vinyl chloride	ug/L	50	50.7	101	69-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	



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**QUALITY CONTROL DATA**

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

QC Batch: WET/19141 Analysis Method: SM 2320B  
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
 Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

METHOD BLANK: 704757 Matrix: Water  
 Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	12/28/11 11:10	

LABORATORY CONTROL SAMPLE: 704758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.8	100	90-110	

SAMPLE DUPLICATE: 704841

Parameter	Units	92108905006 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	26.0	28.1	8	



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**QUALITY CONTROL DATA**

Project: GENERAL TIME 38111-003  
 Pace Project No.: 92109038

QC Batch: WET/19148 Analysis Method: SM 3500-Fe D#4  
 QC Batch Method: SM 3500-Fe D#4 Analysis Description: Iron, Ferrous  
 Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

METHOD BLANK: 704785 Matrix: Water  
 Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.50	12/28/11 12:03	N2

LABORATORY CONTROL SAMPLE: 704786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.5	1.6	105	90-110	N2

SAMPLE DUPLICATE: 704787

Parameter	Units	92108465002 Result	Dup Result	RPD	Qualifiers
Iron, Ferrous	mg/L	2.9	2.1	33	D6,H1,N2

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

QC Batch: WET/19126 Analysis Method: SM 4500-S2D  
QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water  
Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

METHOD BLANK: 704466 Matrix: Water  
Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	12/27/11 13:30	

LABORATORY CONTROL SAMPLE: 704467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.51	101	90-110	

MATRIX SPIKE SAMPLE: 704468

Parameter	Units	92109002001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.35	71	75-125	M1

MATRIX SPIKE SAMPLE: 704631

Parameter	Units	92109131002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.50	100	75-125	

SAMPLE DUPLICATE: 704469

Parameter	Units	92109002001 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		

SAMPLE DUPLICATE: 704632

Parameter	Units	92109131002 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		



### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

QC Batch: WETA/11265 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

METHOD BLANK: 705674 Matrix: Water  
Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	01/04/12 15:54	

LABORATORY CONTROL SAMPLE: 705675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.5	98	90-110	

MATRIX SPIKE SAMPLE: 705676

Parameter	Units	92109363001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	22.6	97	90-110	

MATRIX SPIKE SAMPLE: 705678

Parameter	Units	92109038003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	7.9	20	26.8	95	90-110	

SAMPLE DUPLICATE: 705677

Parameter	Units	92109363001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

SAMPLE DUPLICATE: 705679

Parameter	Units	92109038003 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	7.9	7.9	0	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

QC Batch: WETA/11230 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.  
Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

METHOD BLANK: 703962 Matrix: Water  
Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.20	12/22/11 21:45	
Nitrogen, Nitrite	mg/L	ND	0.10	12/22/11 21:45	
Nitrogen, NO2 plus NO3	mg/L	ND	0.20	12/22/11 21:45	

LABORATORY CONTROL SAMPLE: 703963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	4.9	98	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	100	90-110	
Nitrogen, NO2 plus NO3	mg/L	5	4.9	98	90-110	

MATRIX SPIKE SAMPLE: 703964

Parameter	Units	92109038001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	0.48	5	5.7	104	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.0	99	90-110	
Nitrogen, NO2 plus NO3	mg/L	0.48	5	5.7	104	90-110	

MATRIX SPIKE SAMPLE: 703966

Parameter	Units	92109034001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	9.2	5	13.1	78	90-110	M1
Nitrogen, Nitrite	mg/L	0.20	1	1.2	100	90-110	
Nitrogen, NO2 plus NO3	mg/L	9.4	5	13.1	74	90-110	M1

SAMPLE DUPLICATE: 703965

Parameter	Units	92109038001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	0.48	0.48	0	
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	0.48	0.48	0	



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### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

SAMPLE DUPLICATE: 703967

Parameter	Units	92109034001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	9.2	9.2	1	
Nitrogen, Nitrite	mg/L	0.20	0.22	12	
Nitrogen, NO2 plus NO3	mg/L	9.4	9.2	1	

### QUALITY CONTROL DATA

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

QC Batch: WETA/11254 Analysis Method: SM 5310B  
 QC Batch Method: SM 5310B Analysis Description: 5310B TOC  
 Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

METHOD BLANK: 704958 Matrix: Water  
 Associated Lab Samples: 92109038001, 92109038002, 92109038003, 92109038004, 92109038005, 92109038006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	12/30/11 14:10	

LABORATORY CONTROL SAMPLE: 704959

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	23.8	95	90-110	

MATRIX SPIKE SAMPLE: 704960

Parameter	Units	92108709001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	17800 ug/L	25	34.2	66	75-125	M1

MATRIX SPIKE SAMPLE: 704962

Parameter	Units	92108926006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	12200 ug/L	25	30.6	73	75-125	M1

SAMPLE DUPLICATE: 704961

Parameter	Units	92108709002 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	10300 ug/L	9.9	5	

SAMPLE DUPLICATE: 704963

Parameter	Units	92108926007 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	16100 ug/L	15.7	3	

## QUALIFIERS

Project: GENERAL TIME 38111-003  
Pace Project No.: 92109038

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

### LABORATORIES

PASI-A Pace Analytical Services - Asheville  
PASI-C Pace Analytical Services - Charlotte  
PASI-M Pace Analytical Services - Minneapolis

### ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

H1 Analysis conducted outside the EPA method holding time.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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

N2 The lab does not hold TNI accreditation for this parameter.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92109038001	MW9I	RSK 175	AIR/13906		
92109038002	WW9D	RSK 175	AIR/13906		
92109038003	MW2S	RSK 175	AIR/13906		
92109038004	MW2I	RSK 175	AIR/13906		
92109038005	MW1S	RSK 175	AIR/13906		
92109038006	MW1I	RSK 175	AIR/13907		
92109038001	MW9I	EPA 8260	MSV/17775		
92109038002	WW9D	EPA 8260	MSV/17794		
92109038003	MW2S	EPA 8260	MSV/17821		
92109038004	MW2I	EPA 8260	MSV/17794		
92109038005	MW1S	EPA 8260	MSV/17821		
92109038006	MW1I	EPA 8260	MSV/17821		
92109038007	TRIP BLANK	EPA 8260	MSV/17791		
92109038001	MW9I	SM 2320B	WET/19141		
92109038002	WW9D	SM 2320B	WET/19141		
92109038003	MW2S	SM 2320B	WET/19141		
92109038004	MW2I	SM 2320B	WET/19141		
92109038005	MW1S	SM 2320B	WET/19141		
92109038006	MW1I	SM 2320B	WET/19141		
92109038001	MW9I	SM 3500-Fe D#4	WET/19148		
92109038002	WW9D	SM 3500-Fe D#4	WET/19148		
92109038003	MW2S	SM 3500-Fe D#4	WET/19148		
92109038004	MW2I	SM 3500-Fe D#4	WET/19148		
92109038005	MW1S	SM 3500-Fe D#4	WET/19148		
92109038006	MW1I	SM 3500-Fe D#4	WET/19148		
92109038001	MW9I	SM 4500-S2D	WET/19126		
92109038002	WW9D	SM 4500-S2D	WET/19126		
92109038003	MW2S	SM 4500-S2D	WET/19126		
92109038004	MW2I	SM 4500-S2D	WET/19126		
92109038005	MW1S	SM 4500-S2D	WET/19126		
92109038006	MW1I	SM 4500-S2D	WET/19126		
92109038001	MW9I	EPA 300.0	WETA/11265		
92109038002	WW9D	EPA 300.0	WETA/11265		
92109038003	MW2S	EPA 300.0	WETA/11265		
92109038004	MW2I	EPA 300.0	WETA/11265		
92109038005	MW1S	EPA 300.0	WETA/11265		
92109038006	MW1I	EPA 300.0	WETA/11265		
92109038001	MW9I	EPA 353.2	WETA/11230		
92109038002	WW9D	EPA 353.2	WETA/11230		
92109038003	MW2S	EPA 353.2	WETA/11230		
92109038004	MW2I	EPA 353.2	WETA/11230		
92109038005	MW1S	EPA 353.2	WETA/11230		
92109038006	MW1I	EPA 353.2	WETA/11230		



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205 East Meadow Road - Suite A  
Eden, NC 27288  
(336)623-8921

Pace Analytical Services, Inc.  
2225 Riverside Dr.  
Asheville, NC 28804  
(828)254-7176

Pace Analytical Services, Inc.  
9800 Kinsey Ave. Suite 100  
Huntersville, NC 28078  
(704)875-9092

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GENERAL TIME 38111-003

Pace Project No.: 92109038

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92109038001	MW9I	SM 5310B	WETA/11254		
92109038002	WW9D	SM 5310B	WETA/11254		
92109038003	MW2S	SM 5310B	WETA/11254		
92109038004	MW2I	SM 5310B	WETA/11254		
92109038005	MW1S	SM 5310B	WETA/11254		
92109038006	MW1I	SM 5310B	WETA/11254		



Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

January 6, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92109038**

*Microseeps Workorder: 3741*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, December 23, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl 01/06/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 17

Report ID: 3741 - 166948

Page 1 of 11

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## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
<b>Accreditation ID:</b>	02-00538
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories
<b>Accreditation ID:</b>	E87832
<b>Scope:</b>	Clean Water Act (CWA)                      Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
<b>Accreditation ID:</b>	89009003
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality
<b>Accreditation ID:</b>	04104
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection
<b>Accreditation ID:</b>	PA026
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center
<b>Accreditation ID:</b>	11815
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health
<b>Accreditation ID:</b>	PH-0263
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality
<b>Accreditation ID:</b>	T104704453-09-TX
<b>Scope:</b>	Non-Potable Water
<b>Accreditor:</b>	State of New Hampshire
<b>Accreditation ID:</b>	299409
<b>Scope:</b>	Non-potable water
<b>Accreditor:</b>	State of Georgia
<b>Accreditation ID:</b>	Chapter 391-3-26
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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Fax: (412) 826-3433

### SAMPLE SUMMARY

Workorder: 3741 GENERAL TIME / 92109038

Lab ID	Sample ID	Matrix	Date Collected	Date Received
37410001	MW9I	Water	12/21/2011 09:05	12/23/2011 12:00
37410002	MW9D	Water	12/21/2011 10:25	12/23/2011 12:00
37410003	MW2S	Water	12/21/2011 11:56	12/23/2011 12:00
37410004	MW2I	Water	12/21/2011 13:13	12/23/2011 12:00
37410005	MW1S	Water	12/21/2011 14:45	12/23/2011 12:00
37410006	MW1I	Water	12/21/2011 15:41	12/23/2011 12:00

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## PROJECT SUMMARY

Workorder: 3741 GENERAL TIME / 92109038

---

### Batch Comments

---

**Batch:** EDON/1241 - Low Level Volatile Fatty Acids

The matrix spike and/or matrix spike duplicate, recovery or relative percent difference; accuracy influenced by the concentration of the reference sample; 36950001. Analyte Lactic, Acetic and Propionic Acids. Batch acceptance based on laboratory control sample recovery.

The matrix spike and/or matrix spike duplicate, recovery or relative percent difference; accuracy influenced by the matrix interference of the reference sample; 36950001. Analyte Formic Acid. Batch acceptance based on laboratory control sample recovery.

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### ANALYTICAL RESULTS

Workorder: 3741 GENERAL TIME / 92109038

Lab ID: **37410001** Date Received: 12/23/2011 12:00 Matrix: Water  
 Sample ID: **MW9I** Date Collected: 12/21/2011 09:05

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	63mg/l	5.0	0.070	1		1/3/2012 15:32	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.10mg/l	0.10	0.010	1		12/30/2011 15:36	KB		
Acetic Acid	0.084mg/l	0.070	0.0060	1		12/30/2011 15:36	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		12/30/2011 15:36	KB		
Butyric Acid	0.069mg/l	0.050	0.0040	1		12/30/2011 15:36	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		12/30/2011 15:36	KB		

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**ANALYTICAL RESULTS**

Workorder: 3741 GENERAL TIME / 92109038

Lab ID: **37410002** Date Received: 12/23/2011 12:00 Matrix: Water  
 Sample ID: **MW9D** Date Collected: 12/21/2011 10:25

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	<5.0mg/l	5.0	0.070	1		1/3/2012 15:41	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.13mg/l	0.10	0.010	1		12/30/2011 16:18	KB		
Acetic Acid	0.32mg/l	0.070	0.0060	1		12/30/2011 16:18	KB		
Propionic Acid	0.10mg/l	0.050	0.0070	1		12/30/2011 16:18	KB		
Butyric Acid	0.15mg/l	0.050	0.0040	1		12/30/2011 16:18	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		12/30/2011 16:18	KB		

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**ANALYTICAL RESULTS**

Workorder: 3741 GENERAL TIME / 92109038

Lab ID: 37410003 Date Received: 12/23/2011 12:00 Matrix: Water  
 Sample ID: MW2S Date Collected: 12/21/2011 11:56

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	88 mg/l	5.0	0.070	1		1/3/2012 15:50	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<0.10 mg/l	0.10	0.010	1		12/30/2011 17:01	KB		
Acetic Acid	0.38 mg/l	0.070	0.0060	1		12/30/2011 17:01	KB		
Propionic Acid	0.11 mg/l	0.050	0.0070	1		12/30/2011 17:01	KB		
Butyric Acid	0.17 mg/l	0.050	0.0040	1		12/30/2011 17:01	KB		
Pyruvic Acid	<0.15 mg/l	0.15	0.033	1		12/30/2011 17:01	KB		

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### ANALYTICAL RESULTS

Workorder: 3741 GENERAL TIME / 92109038

Lab ID: **37410004** Date Received: 12/23/2011 12:00 Matrix: Water  
 Sample ID: **MW2I** Date Collected: 12/21/2011 13:13

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	46 mg/l	5.0	0.070	1		1/3/2012 15:59	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.10 mg/l	0.10	0.010	1		12/30/2011 17:43	KB		
Acetic Acid	0.36 mg/l	0.070	0.0060	1		12/30/2011 17:43	KB		
Propionic Acid	0.092 mg/l	0.050	0.0070	1		12/30/2011 17:43	KB		
Butyric Acid	0.12 mg/l	0.050	0.0040	1		12/30/2011 17:43	KB		
Pyruvic Acid	<0.15 mg/l	0.15	0.033	1		12/30/2011 17:43	KB		

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### ANALYTICAL RESULTS

Workorder: 3741 GENERAL TIME / 92109038

Lab ID: **37410005** Date Received: 12/23/2011 12:00 Matrix: Water  
 Sample ID: **MW1S** Date Collected: 12/21/2011 14:45

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	19mg/l	5.0	0.070	1		1/3/2012 16:09	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.14mg/l	0.10	0.010	1		12/30/2011 18:25	KB		
Acetic Acid	0.13mg/l	0.070	0.0060	1		12/30/2011 18:25	KB		
Propionic Acid	0.058mg/l	0.050	0.0070	1		12/30/2011 18:25	KB		
Butyric Acid	0.086mg/l	0.050	0.0040	1		12/30/2011 18:25	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		12/30/2011 18:25	KB		

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### ANALYTICAL RESULTS

Workorder: 3741 GENERAL TIME / 92109038

Lab ID: 37410006 Date Received: 12/23/2011 12:00 Matrix: Water  
 Sample ID: MW11 Date Collected: 12/21/2011 15:41

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	16mg/l	5.0	0.070	1		1/3/2012 16:19	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.11mg/l	0.10	0.010	1		12/30/2011 19:07	KB		
Acetic Acid	0.16mg/l	0.070	0.0060	1		12/30/2011 19:07	KB		
Propionic Acid	0.070mg/l	0.050	0.0070	1		12/30/2011 19:07	KB		
Butyric Acid	0.11mg/l	0.050	0.0040	1		12/30/2011 19:07	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		12/30/2011 19:07	KB		

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 3741 GENERAL TIME / 92109038

---

### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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3741

Chain of Custody



Workorder: 92109038      Workorder Name: GENERAL TIME      Results Requested 1/9/2012

Report / Invoice To      Subcontract To

Bonnie McKee  
 Pace Analytical Charlotte  
 9800 Kincey Ave. Suite 100  
 Huntersville, NC 28078  
 Phone (704)875-9092  
 Email: bonnie.mckee@pacelabs.com

Microseeps      P.O. CHS10903

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers		Requested Analysis	LAB USE ONLY
					Unpreserved	Other		
1	MW9I	12/21/2011 09:05	92109038001	Water	✓		Metabolic Acids	
2	MW9D	12/21/2011 10:25	92109038002	Water	✓		CO <sub>2</sub>	
3	MW2S	12/21/2011 11:56	92109038003	Water	✓			
4	MW2I	12/21/2011 13:13	92109038004	Water	✓			
5	MW1S	12/21/2011 14:45	92109038005	Water	✓			
6	MW1I	12/21/2011 15:41	92109038006	Water	✓			

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	Bonnie McKee Pace	12/21/11 13:30	Fedex	12/22/11 13:30	4°C
2	Fedex		Houston	12/23/11 12:00	
3					
4					
5					

NON-CONFORMANCE FORM

Microseeps Project Number: 3741

Date: 12-23-11 Time of Receipt: 1200 Receiver: Hlan Young

Client: Pace - H.

REASON FOR NON-CONFORMANCE:

- Requested CO<sub>2</sub> & VFA.  
CDC said vials were non-preserved.  
Except MW23 CO<sub>2</sub> vials which said HCL preserved,  
all other vials stated BAK preservative.

ACTION TAKEN:

Client name: Bonnie McKee Date: 12/23/11 Time: email

Per attached email - ok to proceed. Run LVFA'S.

Customer Service Initials: RR

Date: 12/23/11

3741

Robbin Robl

---

**From:** Bonnie McKee [Bonnie.McKee@pacelabs.com]  
**Sent:** Friday, December 23, 2011 2:42 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time  
**Attachments:** Bonnie McKee.vcf

Looks like they definitely screwed up in the field. Do what you can with it.

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 12/23/2011 2:33 PM >>>  
Thank you.

We received another General Time project today. For sample MW2S, we received HCl preserved vials for CO2 analysis. We can analyze this sample, however, it may bias the sample high using our in-house method of AM20GAX.

All other vials were received with BAK preservative, so we will need to run the low level VFA's for this one too.

Please advise how we should proceed.

Thank you,  
Robbin

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Friday, December 23, 2011 2:24 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Yes please proceed.

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091

3741

www.pacelabs.com

Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 12/23/2011 2:22 PM >>>  
Yep! With your permission, we will do so.

Robbin

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Friday, December 23, 2011 2:22 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Sounds like my client samples incorrectly and used up all the BAK vials. Can you report that same compounds list with the Low Level?

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 12/23/2011 2:18 PM >>>  
Sorry, I'm not explaining this correctly - ALL of the vials we received are preserved with BAK! We don't have any unpreserved vials.

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Friday, December 23, 2011 12:36 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Those should be for the CO2.

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

3741

>>> "Robbin Robl" <rrobl@microseeps.com> 12/23/2011 12:31 PM >>>

Bonnie,

That is correct, however we received vials that indicate BAK preservative which means the LLVFA's. The only thing I can think of is that the labels are wrong??

Robbin

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]

**Sent:** Friday, December 23, 2011 12:30 PM

**To:** Robbin Robl

**Subject:** Re: General Time

Robbin,

The guide I have from Microseeps for Standard Level says no preservative is required.

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee

Pace Analytical-Project Manager

9800 Kincey Ave Suite 100

Huntersville, NC 28078

Phone 704.875.9092 x 234 / Fax 704.875.9091

www.pacelabs.com

Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 12/22/2011 4:48 PM >>>

Hi Bonnie,

We received your project, General Time today. The COC indicates Metabolic Acids - can you please tell me which metabolic acids you are looking for?

Thank you!

Robbin

Robbin Robl

Microseeps, Inc.

220 William Pitt Way

Pittsburgh, PA 15238

Phone: 412-826-5245

Fax: 412-826-3433

# Cooler Receipt Form

Client Name: General Pace-H Project: General Time / 92109038 Lab Work Order: 3741

**A. Shipping/Container Information (circle appropriate response)**

Courier:  FedEx UPS USPS Client Other: \_\_\_\_\_ Air bill Present:  Yes No

Tracking Number: 4352 1310 0655

Custody Seal on Cooler/Box Present: Yes  No \_\_\_\_\_ Seals Intact: Yes No

Cooler/Box Packing Material:  Bubble Wrap  Absorbent  Foam Other: \_\_\_\_\_

Type of Ice:  Wet  Blue  None Ice Intact:  Yes  Melted

Cooler Temperature: 4°C Radiation Screened: Yes  No \_\_\_\_\_ Chain of Custody Present:  Yes No

Comments: \_\_\_\_\_

**B. Laboratory Assignment/Log-in (check appropriate response)**

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC		✓		
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC	✓			
Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)		✓		
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments: \_\_\_\_\_

Cooler contents examined/received by: HLV Date: 12-23-11

Project Manager Review: RR Date: 12/27/11





Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

January 6, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92109038**

*Microseeps Workorder: 3755*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, December 28, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl      01/06/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 12

Report ID: 3755 - 165913

Page 1 of 10

**CERTIFICATE OF ANALYSIS**

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## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
<b>Accreditation ID:</b>	02-00538
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories
<b>Accreditation ID:</b>	E87832
<b>Scope:</b>	Clean Water Act (CWA)                      Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
<b>Accreditation ID:</b>	89009003
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality
<b>Accreditation ID:</b>	04104
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection
<b>Accreditation ID:</b>	PA026
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center
<b>Accreditation ID:</b>	11815
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health
<b>Accreditation ID:</b>	PH-0263
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality
<b>Accreditation ID:</b>	T104704453-09-TX
<b>Scope:</b>	Non-Potable Water
<b>Accreditor:</b>	State of New Hampshire
<b>Accreditation ID:</b>	299409
<b>Scope:</b>	Non-potable water
<b>Accreditor:</b>	State of Georgia
<b>Accreditation ID:</b>	Chapter 391-3-26
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

### SAMPLE SUMMARY

Workorder: 3755 GENERAL TIME / 92109038

Lab ID	Sample ID	Matrix	Date Collected	Date Received
37550001	MW9I	Bubble Strip	12/21/2011 09:05	12/28/2011 10:30
37550002	MW9D	Bubble Strip	12/21/2011 10:25	12/28/2011 10:30
37550003	MW2S	Bubble Strip	12/21/2011 11:56	12/28/2011 10:30
37550004	MW2I	Bubble Strip	12/21/2011 13:13	12/28/2011 10:30
37550005	MW1S	Bubble Strip	12/21/2011 14:45	12/28/2011 10:30
37550006	MW1I	Bubble Strip	12/21/2011 15:41	12/28/2011 10:30

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### ANALYTICAL RESULTS

Workorder: 3755 GENERAL TIME / 92109038

Lab ID: 37550001 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW9I Date Collected: 12/21/2011 09:05

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	1.0nM	0.60	0.25	1		12/30/2011 12:17	SL		

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### ANALYTICAL RESULTS

Workorder: 3755 GENERAL TIME / 92109038

Lab ID: 37550002 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW9D Date Collected: 12/21/2011 10:25

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	1.9nM		0.60	0.25	1		12/30/2011 12:31	SL		

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Pittsburgh, PA 15238  
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### ANALYTICAL RESULTS

Workorder: 3755 GENERAL TIME / 92109038

Lab ID: 37550003 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW2S Date Collected: 12/21/2011 11:56

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX		Analytical Method: AM20GAX							
Hydrogen	3.8nM	0.60	0.25	1		12/30/2011 12:53	SL		

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Pittsburgh, PA 15238  
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### ANALYTICAL RESULTS

Workorder: 3755 GENERAL TIME / 92109038

Lab ID: **37550004** Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: **MW21** Date Collected: 12/21/2011 13:13

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	1.2	nM	0.60	0.25	1		12/30/2011 13:07	SL		

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Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

### ANALYTICAL RESULTS

Workorder: 3755 GENERAL TIME / 92109038

Lab ID: 37550005 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW1S Date Collected: 12/21/2011 14:45

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	1.0nM		0.60	0.25	1		12/30/2011 13:22	SL		

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### ANALYTICAL RESULTS

Workorder: 3755 GENERAL TIME / 92109038

Lab ID: 37550006  
Sample ID: MW11

Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Date Collected: 12/21/2011 15:41

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX		Analytical Method: AM20GAX							
Hydrogen	2.0nM	0.60	0.25	1		12/30/2011 13:35	SL		

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Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

## ANALYTICAL RESULTS QUALIFIERS

Workorder: 3755 GENERAL TIME / 92109038

---

### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

### CERTIFICATE OF ANALYSIS

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3755

**Chain of Custody**



Workorder: 92109038      Workorder Name: GENERAL TIME 38111-003      Results Requested 1/9/2012

Report / Invoice To: Subcontract To

Bonnie McKee  
 Pace Analytical Charlotte  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 Phone (704)875-9092  
 Email: bonnie.mckee@pacelabs.com

P.O. CHS 10910

*Microsamples*

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers			LAB USE ONLY
					HCL	Unpreserved	Other	
1	MW9I	12/21/2011 09:05	92109038001	Water				
2	MW9D	12/21/2011 10:25	92109038002	Water				
3	MW2S	12/21/2011 11:56	92109038003	Water				
4	MW2I	12/21/2011 13:13	92109038004	Water				
5	MW1S	12/21/2011 14:45	92109038005	Water				
6	MW1I	12/21/2011 15:41	92109038006	Water				

*divorced hydrogen*

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
2					
3					
4					
5					



Microseeps  
Lab. Proj. #

3755

# CHAIN - OF - CUSTODY RECORD

Microseeps  
COC cont. #

Phone: (412) 826-5245      Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238      Fax No.: (412) 826-3433

Company: Haley & Aldrich  
 Co. Address: 33 Market Point Dr.  
 Phone #: 864-587-0947 Fax #: \_\_\_\_\_  
 Proj. Manager: Britney C. Barnes  
 Proj. Name/Number: General Time / 3811-003  
 Sampler's signature: Shane Brannon

Results to: Haley & Aldrich  
 Invoice to: \_\_\_\_\_

Sample ID	Sample Description	Sample Type Water/Vapor/Solid	Date	Time	Sealed	Parameters Requested										Remarks
MW 11I	micro seep	✓	12/20/11	15:52	1	Dissolved Hydrogen/...										
MW 11S	micro seep	✓	12/20/11	14:47	1											
MW 14D	micro seep	✓	12/20/11	12:24	1											
MW 14I	micro seep	✓	12/20/11	10:33	1											
MW 14S	micro seep	✓	12/20/11	13:27	1											
MW 19D	micro seep	✓	12/21/11	12:19	1											
MW 19I	micro seep	✓	12/21/11	10:44	1											
MW 19S	micro seep	✓	12/21/11	9:25	1											
MW 11I	micro seep	✓	12/21/11	15:59	1											
MW 15	micro seep	✓	12/21/11	15:01	1											
MW 4I	micro seep	✓	12/22/11	11:23	1											
MW 16I	micro seep	✓	12/22/11	13:07	1											
MW 16D	micro seep	✓	12/22/11	14:08	1											
MW 2D	micro seep	✓	12/22/11	16:35	1											
MW 2D Duplicate	micro seep	✓	12/22/11	18:52	1											
MW 5E	micro seep	✓	12/27/11	10:08	1											
MW 7E	micro seep	✓	12/27/11	11:31	1											

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Shane Brannon	Geo Lab	12/21/11	15:00	Haley & Aldrich	M/S	12-28-11	10:30
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:





Document Name:  
**Sample Condition Upon Receipt (SCUR)**

Document Revised: July 29, 2011  
Page 1 of 2

Document Number:  
**F-CHR-CS-03-rev.05**

Issuing Authority:  
Pace Huntersville Quality Office

Client Name: Hauke Project # 92109038

Where Received:  Huntersville  Asheville  Eden

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 Type of Ice:  Wet  Blue  None  Samples on ice, cooling process has begun

Temp Correction Factor Add / Subtract 0 °C

Corrected Cooler Temp.: 38 °C Biological Tissue is Frozen: Yes No N/A

Optional  
Proj. Due Date:  
Proj. Name:

Date and initials of person examining contents: BKM 12/23/11

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. Trip Blank has no analysis
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: BKM Date: 12/23/11 SRF Review: BKM Date: 12/23/11

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

January 11, 2012

Ms. Britney Barnes  
Haley & Aldrich  
33 Market Point Drive  
Greenville, SC 29607

RE: Project: General Time 38111-003  
Pace Project No.: 92109131

Dear Ms. Barnes:

Enclosed are the analytical results for sample(s) received by the laboratory on December 23, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,



Bonnie McKee

bonnie.mckee@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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 205 East Meadow Road - Suite A  
 Eden, NC 27288  
 (336)623-8921

**Pace Analytical Services, Inc.**  
 2225 Riverside Dr.  
 Asheville, NC 28804  
 (828)254-7176

**Pace Analytical Services, Inc.**  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

## CERTIFICATIONS

Project: General Time 38111-003  
 Pace Project No.: 92109131

### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414  
 A2LA Certification #: 2926.01  
 Alaska Certification #: UST-078  
 Alaska Certification #MN00064  
 Arizona Certification #: AZ-0014  
 Arkansas Certification #: 88-0680  
 California Certification #: 01155CA  
 EPA Region 8 Certification #: Pace  
 Florida/NELAP Certification #: E87605  
 Georgia Certification #: 959  
 Idaho Certification #: MN00064  
 Illinois Certification #: 200011  
 Iowa Certification #: 368  
 Kansas Certification #: E-10167  
 Louisiana Certification #: 03086  
 Louisiana Certification #: LA080009  
 Maine Certification #: 2007029  
 Maryland Certification #: 322  
 Michigan DEQ Certification #: 9909  
 Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace  
 Montana Certification #: MT CERT0092  
 Nebraska Certification #: Pace  
 Nevada Certification #: MN\_00064  
 New Jersey Certification #: MN-002  
 New Mexico Certification #: Pace  
 New York Certification #: 11647  
 North Carolina Certification #: 530  
 North Dakota Certification #: R-036  
 North Dakota Certification #: R-036A  
 Ohio VAP Certification #: CL101  
 Oklahoma Certification #: D9921  
 Oklahoma Certification #: 9507  
 Oregon Certification #: MN200001  
 Pennsylvania Certification #: 68-00563  
 Puerto Rico Certification  
 Tennessee Certification #: 02818  
 Texas Certification #: T104704192  
 Washington Certification #: C754  
 Wisconsin Certification #: 999407970

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
 North Carolina Drinking Water Certification #: 37706  
 North Carolina Field Services Certification #: 5342  
 North Carolina Wastewater Certification #: 12  
 South Carolina Certification #: 99006001  
 South Carolina Drinking Water Cert. #: 99006003  
 Virginia Drinking Water Certification #: 00213

Connecticut Certification #: PH-0104  
 Florida/NELAP Certification #: E87627  
 Kentucky UST Certification #: 84  
 Louisiana DHH Drinking Water # LA 100031  
 West Virginia Certification #: 357  
 Virginia/VELAP Certification #: 460144

### Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804  
 Florida/NELAP Certification #: E87648  
 Massachusetts Certification #: M-NC030  
 North Carolina Drinking Water Certification #: 37712  
 North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001  
 Virginia Certification #: 00072  
 West Virginia Certification #: 356  
 Virginia/VELAP Certification #: 460147

## REPORT OF LABORATORY ANALYSIS

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 Asheville, NC 28804  
 (828)254-7176

Pace Analytical Services, Inc.  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

### SAMPLE ANALYTE COUNT

Project: General Time 38111-003

Pace Project No.: 92109131

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92109131001	MW11 D	RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		92109131002	MW4 I	RSK 175	SK4
EPA 8260	KJM			63	PASI-C
SM 2320B	AES			1	PASI-A
SM 3500-Fe D#4	SDH			1	PASI-A
SM 4500-S2D	AES			1	PASI-A
EPA 300.0	SAJ			1	PASI-A
EPA 353.2	DMN			3	PASI-A
SM 5310B	SAJ			1	PASI-A
92109131003	MW16 I			RSK 175	SK4
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		92109131004	MW16 D	RSK 175	SK4
EPA 8260	KJM			63	PASI-C
SM 2320B	AES			1	PASI-A
SM 3500-Fe D#4	SDH			1	PASI-A
SM 4500-S2D	AES			1	PASI-A
EPA 300.0	SAJ			1	PASI-A
EPA 353.2	DMN			3	PASI-A
SM 5310B	SAJ			1	PASI-A
92109131005	MW2 D			RSK 175	SK4
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A

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### SAMPLE ANALYTE COUNT

Project: General Time 38111-003

Pace Project No.: 92109131

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92109131006	Duplicate	EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAJ	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	63	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAJ	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
92109131007	Trip Blank	SM 5310B	SAJ	1	PASI-A
		EPA 8260	KJM	63	PASI-C

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## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW11 D	Lab ID: 92109131001	Collected: 12/22/11 09:28	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/29/11 10:11	74-84-0	
Ethene	ND ug/L		10.0	1		12/29/11 10:11	74-85-1	
Methane	<b>28000</b> ug/L		10.0	1		12/29/11 10:11	74-82-8	E
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/31/11 01:33	67-64-1	
Benzene	ND ug/L		1.0	1		12/31/11 01:33	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/31/11 01:33	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/31/11 01:33	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/31/11 01:33	75-27-4	
Bromoform	ND ug/L		1.0	1		12/31/11 01:33	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/31/11 01:33	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/31/11 01:33	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/31/11 01:33	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/31/11 01:33	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/31/11 01:33	75-00-3	
Chloroform	ND ug/L		1.0	1		12/31/11 01:33	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/31/11 01:33	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/31/11 01:33	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/31/11 01:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/31/11 01:33	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/31/11 01:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/31/11 01:33	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/31/11 01:33	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 01:33	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 01:33	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 01:33	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/31/11 01:33	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/31/11 01:33	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/31/11 01:33	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/31/11 01:33	75-35-4	
cis-1,2-Dichloroethene	<b>8.0</b> ug/L		1.0	1		12/31/11 01:33	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/31/11 01:33	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 01:33	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/31/11 01:33	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 01:33	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/31/11 01:33	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 01:33	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 01:33	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/31/11 01:33	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/31/11 01:33	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/31/11 01:33	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/31/11 01:33	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/31/11 01:33	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/31/11 01:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/31/11 01:33	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/31/11 01:33	1634-04-4	

Date: 01/11/2012 12:51 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW11 D	Lab ID: 92109131001	Collected: 12/22/11 09:28	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/31/11 01:33	91-20-3	
Styrene	ND ug/L		1.0	1		12/31/11 01:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 01:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 01:33	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/31/11 01:33	127-18-4	
Toluene	ND ug/L		1.0	1		12/31/11 01:33	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 01:33	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 01:33	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/31/11 01:33	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/31/11 01:33	79-00-5	
Trichloroethene	ND ug/L		1.0	1		12/31/11 01:33	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/31/11 01:33	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/31/11 01:33	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/31/11 01:33	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/31/11 01:33	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/31/11 01:33	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/31/11 01:33	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94 %		70-130	1		12/31/11 01:33	460-00-4	
Dibromofluoromethane (S)	108 %		70-130	1		12/31/11 01:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	107 %		70-130	1		12/31/11 01:33	17060-07-0	
Toluene-d8 (S)	97 %		70-130	1		12/31/11 01:33	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	441 mg/L		5.0	1		01/04/12 10:30		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:32		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	57.8 mg/L		10.0	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	5.2 mg/L		5.0	1		01/04/12 22:28	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	ND mg/L		0.20	1		12/23/11 21:38		
Nitrogen, Nitrite	1.5 mg/L		0.10	1		12/23/11 21:38		M1
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		12/23/11 21:38		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	42.8 mg/L		1.0	1		01/06/12 14:33	7440-44-0	

## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW4 I	Lab ID: 92109131002	Collected: 12/22/11 11:05	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/29/11 10:32	74-84-0	
Ethene	ND ug/L		10.0	1		12/29/11 10:32	74-85-1	
Methane	ND ug/L		10.0	1		12/29/11 10:32	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/31/11 01:57	67-64-1	
Benzene	ND ug/L		1.0	1		12/31/11 01:57	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/31/11 01:57	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/31/11 01:57	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/31/11 01:57	75-27-4	
Bromoform	ND ug/L		1.0	1		12/31/11 01:57	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/31/11 01:57	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/31/11 01:57	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/31/11 01:57	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/31/11 01:57	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/31/11 01:57	75-00-3	
Chloroform	ND ug/L		1.0	1		12/31/11 01:57	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/31/11 01:57	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/31/11 01:57	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/31/11 01:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/31/11 01:57	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/31/11 01:57	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/31/11 01:57	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/31/11 01:57	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 01:57	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 01:57	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 01:57	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/31/11 01:57	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/31/11 01:57	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/31/11 01:57	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/31/11 01:57	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		12/31/11 01:57	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/31/11 01:57	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 01:57	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/31/11 01:57	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 01:57	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/31/11 01:57	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 01:57	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 01:57	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/31/11 01:57	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/31/11 01:57	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/31/11 01:57	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/31/11 01:57	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/31/11 01:57	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/31/11 01:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/31/11 01:57	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/31/11 01:57	1634-04-4	

Date: 01/11/2012 12:51 PM

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## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW4 I	Lab ID: 92109131002	Collected: 12/22/11 11:05	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		12/31/11 01:57	91-20-3	
Styrene	ND ug/L		1.0	1		12/31/11 01:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 01:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 01:57	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/31/11 01:57	127-18-4	
Toluene	ND ug/L		1.0	1		12/31/11 01:57	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 01:57	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 01:57	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/31/11 01:57	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/31/11 01:57	79-00-5	
Trichloroethene	1.9 ug/L		1.0	1		12/31/11 01:57	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/31/11 01:57	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/31/11 01:57	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/31/11 01:57	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/31/11 01:57	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/31/11 01:57	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/31/11 01:57	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	93 %		70-130	1		12/31/11 01:57	460-00-4	
Dibromofluoromethane (S)	107 %		70-130	1		12/31/11 01:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	109 %		70-130	1		12/31/11 01:57	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		12/31/11 01:57	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	41.0 mg/L		5.0	1		01/04/12 10:30		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:35		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		01/09/12 15:50	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	0.67 mg/L		0.20	1		12/23/11 21:47		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/23/11 21:47		
Nitrogen, NO2 plus NO3	0.67 mg/L		0.20	1		12/23/11 21:47		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	13.6 mg/L		1.0	1		01/06/12 14:51	7440-44-0	

## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW16 I	Lab ID: 92109131003	Collected: 12/22/11 12:48	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/29/11 10:43	74-84-0	
Ethene	ND ug/L		10.0	1		12/29/11 10:43	74-85-1	
Methane	27.7 ug/L		10.0	1		12/29/11 10:43	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/31/11 02:22	67-64-1	
Benzene	1.5 ug/L		1.0	1		12/31/11 02:22	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/31/11 02:22	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/31/11 02:22	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/31/11 02:22	75-27-4	
Bromoform	ND ug/L		1.0	1		12/31/11 02:22	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/31/11 02:22	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/31/11 02:22	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/31/11 02:22	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/31/11 02:22	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/31/11 02:22	75-00-3	
Chloroform	3.1 ug/L		1.0	1		12/31/11 02:22	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/31/11 02:22	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/31/11 02:22	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/31/11 02:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/31/11 02:22	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/31/11 02:22	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/31/11 02:22	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/31/11 02:22	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 02:22	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 02:22	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 02:22	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/31/11 02:22	75-71-8	
1,1-Dichloroethane	3.2 ug/L		1.0	1		12/31/11 02:22	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/31/11 02:22	107-06-2	
1,1-Dichloroethene	12.2 ug/L		1.0	1		12/31/11 02:22	75-35-4	
cis-1,2-Dichloroethene	7360 ug/L		400	400		01/03/12 22:40	156-59-2	
trans-1,2-Dichloroethene	126 ug/L		1.0	1		12/31/11 02:22	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 02:22	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/31/11 02:22	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 02:22	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/31/11 02:22	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 02:22	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 02:22	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/31/11 02:22	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/31/11 02:22	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/31/11 02:22	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/31/11 02:22	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/31/11 02:22	99-87-6	
Methylene Chloride	5.2 ug/L		2.0	1		12/31/11 02:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/31/11 02:22	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/31/11 02:22	1634-04-4	

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### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW16 I	Lab ID: 92109131003	Collected: 12/22/11 12:48	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	5.5 ug/L		1.0	1		12/31/11 02:22	91-20-3	
Styrene	ND ug/L		1.0	1		12/31/11 02:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 02:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 02:22	79-34-5	
Tetrachloroethene	1.7 ug/L		1.0	1		12/31/11 02:22	127-18-4	
Toluene	1.2 ug/L		1.0	1		12/31/11 02:22	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 02:22	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 02:22	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/31/11 02:22	71-55-6	
1,1,2-Trichloroethane	9.1 ug/L		1.0	1		12/31/11 02:22	79-00-5	
Trichloroethene	17800 ug/L		400	400		01/03/12 22:40	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/31/11 02:22	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/31/11 02:22	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/31/11 02:22	108-05-4	
Vinyl chloride	109 ug/L		1.0	1		12/31/11 02:22	75-01-4	
m&p-Xylene	3.6 ug/L		2.0	1		12/31/11 02:22	179601-23-1	
o-Xylene	8.3 ug/L		1.0	1		12/31/11 02:22	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98 %		70-130	1		12/31/11 02:22	460-00-4	
Dibromofluoromethane (S)	110 %		70-130	1		12/31/11 02:22	1868-53-7	
1,2-Dichloroethane-d4 (S)	108 %		70-130	1		12/31/11 02:22	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		12/31/11 02:22	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	25.2 mg/L		5.0	1		01/04/12 10:30		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:42		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	166 mg/L		50.0	10		01/10/12 09:02	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	5.9 mg/L		0.20	1		12/23/11 21:49		
Nitrogen, Nitrite	0.24 mg/L		0.10	1		12/23/11 21:49		
Nitrogen, NO2 plus NO3	6.2 mg/L		0.20	1		12/23/11 21:49		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	11.3 mg/L		1.0	1		01/06/12 15:01	7440-44-0	



## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW16 D	Lab ID: 92109131004	Collected: 12/22/11 13:48	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/29/11 10:53	74-84-0	
Ethene	ND ug/L		10.0	1		12/29/11 10:53	74-85-1	
Methane	ND ug/L		10.0	1		12/29/11 10:53	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/03/12 15:24	67-64-1	
Benzene	ND ug/L		1.0	1		01/03/12 15:24	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/03/12 15:24	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/03/12 15:24	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/03/12 15:24	75-27-4	
Bromoform	ND ug/L		1.0	1		01/03/12 15:24	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/03/12 15:24	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/03/12 15:24	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/03/12 15:24	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/03/12 15:24	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/03/12 15:24	75-00-3	
Chloroform	1.1 ug/L		1.0	1		01/03/12 15:24	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/03/12 15:24	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/03/12 15:24	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/03/12 15:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/03/12 15:24	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/03/12 15:24	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/03/12 15:24	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/03/12 15:24	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 15:24	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 15:24	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 15:24	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/03/12 15:24	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/03/12 15:24	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/03/12 15:24	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/03/12 15:24	75-35-4	
cis-1,2-Dichloroethene	34.2 ug/L		1.0	1		01/03/12 15:24	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/03/12 15:24	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 15:24	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/03/12 15:24	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 15:24	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/03/12 15:24	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 15:24	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 15:24	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/03/12 15:24	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/03/12 15:24	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/03/12 15:24	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/03/12 15:24	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/03/12 15:24	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/03/12 15:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/03/12 15:24	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/03/12 15:24	1634-04-4	

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## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW16 D	Lab ID: 92109131004	Collected: 12/22/11 13:48	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		01/03/12 15:24	91-20-3	
Styrene	ND ug/L		1.0	1		01/03/12 15:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 15:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 15:24	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/03/12 15:24	127-18-4	
Toluene	ND ug/L		1.0	1		01/03/12 15:24	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 15:24	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 15:24	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/03/12 15:24	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/03/12 15:24	79-00-5	
Trichloroethene	<b>114</b> ug/L		1.0	1		01/03/12 15:24	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/03/12 15:24	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/03/12 15:24	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/03/12 15:24	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/03/12 15:24	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/03/12 15:24	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/03/12 15:24	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		01/03/12 15:24	460-00-4	
Dibromofluoromethane (S)	115 %		70-130	1		01/03/12 15:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	115 %		70-130	1		01/03/12 15:24	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		01/03/12 15:24	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	<b>30.5</b> mg/L		5.0	1		01/04/12 10:30		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:44		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	<b>10.3</b> mg/L		5.0	1		01/09/12 16:44	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	<b>1.1</b> mg/L		0.20	1		12/23/11 21:50		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/23/11 21:50		
Nitrogen, NO2 plus NO3	<b>1.1</b> mg/L		0.20	1		12/23/11 21:50		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	<b>2.2</b> mg/L		1.0	1		01/06/12 15:11	7440-44-0	

## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: MW2 D	Lab ID: 92109131005	Collected: 12/22/11 16:00	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/29/11 11:04	74-84-0	
Ethene	ND ug/L		10.0	1		12/29/11 11:04	74-85-1	
Methane	ND ug/L		10.0	1		12/29/11 11:04	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/03/12 13:47	67-64-1	
Benzene	ND ug/L		1.0	1		01/03/12 13:47	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/03/12 13:47	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/03/12 13:47	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/03/12 13:47	75-27-4	
Bromoform	ND ug/L		1.0	1		01/03/12 13:47	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/03/12 13:47	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/03/12 13:47	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/03/12 13:47	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/03/12 13:47	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/03/12 13:47	75-00-3	
Chloroform	ND ug/L		1.0	1		01/03/12 13:47	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/03/12 13:47	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/03/12 13:47	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/03/12 13:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/03/12 13:47	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/03/12 13:47	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/03/12 13:47	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/03/12 13:47	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 13:47	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 13:47	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/03/12 13:47	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/03/12 13:47	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/03/12 13:47	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/03/12 13:47	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/03/12 13:47	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/03/12 13:47	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/03/12 13:47	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 13:47	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/03/12 13:47	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/03/12 13:47	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/03/12 13:47	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 13:47	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/03/12 13:47	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/03/12 13:47	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/03/12 13:47	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/03/12 13:47	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/03/12 13:47	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/03/12 13:47	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/03/12 13:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/03/12 13:47	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/03/12 13:47	1634-04-4	

Date: 01/11/2012 12:51 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: General Time 38111-003  
Pace Project No.: 92109131

Sample: MW2 D	Lab ID: 92109131005	Collected: 12/22/11 16:00	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		01/03/12 13:47	91-20-3	
Styrene	ND ug/L		1.0	1		01/03/12 13:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 13:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/03/12 13:47	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/03/12 13:47	127-18-4	
Toluene	ND ug/L		1.0	1		01/03/12 13:47	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 13:47	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/03/12 13:47	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/03/12 13:47	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/03/12 13:47	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/03/12 13:47	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/03/12 13:47	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/03/12 13:47	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/03/12 13:47	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/03/12 13:47	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/03/12 13:47	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/03/12 13:47	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94 %		70-130	1		01/03/12 13:47	460-00-4	
Dibromofluoromethane (S)	114 %		70-130	1		01/03/12 13:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	111 %		70-130	1		01/03/12 13:47	17060-07-0	
Toluene-d8 (S)	102 %		70-130	1		01/03/12 13:47	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	77.7 mg/L		5.0	1		01/04/12 10:30		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:47		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	24.9 mg/L		5.0	1		01/09/12 16:58	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	ND mg/L		0.20	1		12/23/11 21:53		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/23/11 21:53		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		12/23/11 21:53		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	1.7 mg/L		1.0	1		01/06/12 15:21	7440-44-0	

## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: Duplicate		Lab ID: 92109131006	Collected: 12/22/11 16:18	Received: 12/23/11 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/29/11 11:15	74-84-0	
Ethene	ND ug/L		10.0	1		12/29/11 11:15	74-85-1	
Methane	ND ug/L		10.0	1		12/29/11 11:15	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		12/31/11 15:15	67-64-1	
Benzene	ND ug/L		1.0	1		12/31/11 15:15	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/31/11 15:15	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/31/11 15:15	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/31/11 15:15	75-27-4	
Bromoform	ND ug/L		1.0	1		12/31/11 15:15	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/31/11 15:15	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/31/11 15:15	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/31/11 15:15	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/31/11 15:15	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/31/11 15:15	75-00-3	
Chloroform	ND ug/L		1.0	1		12/31/11 15:15	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/31/11 15:15	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/31/11 15:15	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/31/11 15:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/31/11 15:15	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/31/11 15:15	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/31/11 15:15	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/31/11 15:15	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 15:15	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 15:15	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 15:15	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/31/11 15:15	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/31/11 15:15	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/31/11 15:15	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/31/11 15:15	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		12/31/11 15:15	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/31/11 15:15	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 15:15	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/31/11 15:15	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 15:15	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/31/11 15:15	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 15:15	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 15:15	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/31/11 15:15	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/31/11 15:15	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/31/11 15:15	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/31/11 15:15	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/31/11 15:15	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/31/11 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/31/11 15:15	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/31/11 15:15	1634-04-4	

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### ANALYTICAL RESULTS

Project: General Time 38111-003  
 Pace Project No.: 92109131

Sample: Duplicate	Lab ID: 92109131006	Collected: 12/22/11 16:18	Received: 12/23/11 10:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260							
Naphthalene	ND ug/L		1.0	1		12/31/11 15:15	91-20-3	
Styrene	ND ug/L		1.0	1		12/31/11 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 15:15	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/31/11 15:15	127-18-4	
Toluene	ND ug/L		1.0	1		12/31/11 15:15	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 15:15	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 15:15	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/31/11 15:15	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/31/11 15:15	79-00-5	
Trichloroethene	1.1 ug/L		1.0	1		12/31/11 15:15	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/31/11 15:15	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/31/11 15:15	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/31/11 15:15	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/31/11 15:15	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/31/11 15:15	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/31/11 15:15	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94 %		70-130	1		12/31/11 15:15	460-00-4	
Dibromofluoromethane (S)	111 %		70-130	1		12/31/11 15:15	1868-53-7	
1,2-Dichloroethane-d4 (S)	107 %		70-130	1		12/31/11 15:15	17060-07-0	
Toluene-d8 (S)	94 %		70-130	1		12/31/11 15:15	2037-26-5	
<b>2320B Alkalinity</b>	Analytical Method: SM 2320B							
Alkalinity, Total as CaCO3	75.6 mg/L		5.0	1		01/04/12 10:30		
<b>Iron, Ferrous</b>	Analytical Method: SM 3500-Fe D#4							
Iron, Ferrous	ND mg/L		0.50	1		12/28/11 12:47		H1,N2
<b>4500S2D Sulfide Water</b>	Analytical Method: SM 4500-S2D							
Sulfide	ND mg/L		0.10	1		12/27/11 13:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0							
Sulfate	23.8 mg/L		5.0	1		01/09/12 17:12	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND mg/L		0.20	1		12/23/11 21:54		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/23/11 21:54		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		12/23/11 21:54		
<b>5310B TOC</b>	Analytical Method: SM 5310B							
Total Organic Carbon	1.6 mg/L		1.0	1		01/06/12 15:31	7440-44-0	

## ANALYTICAL RESULTS

Project: General Time 38111-003

Pace Project No.: 92109131

Sample: Trip Blank		Lab ID: 92109131007	Collected: 12/22/11 00:00	Received: 12/23/11 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260							
Acetone	ND ug/L		25.0	1		12/31/11 07:11	67-64-1	pH
Benzene	ND ug/L		1.0	1		12/31/11 07:11	71-43-2	
Bromobenzene	ND ug/L		1.0	1		12/31/11 07:11	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		12/31/11 07:11	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		12/31/11 07:11	75-27-4	
Bromoform	ND ug/L		1.0	1		12/31/11 07:11	75-25-2	
Bromomethane	ND ug/L		2.0	1		12/31/11 07:11	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		12/31/11 07:11	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		12/31/11 07:11	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		12/31/11 07:11	108-90-7	
Chloroethane	ND ug/L		1.0	1		12/31/11 07:11	75-00-3	
Chloroform	ND ug/L		1.0	1		12/31/11 07:11	67-66-3	
Chloromethane	ND ug/L		1.0	1		12/31/11 07:11	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		12/31/11 07:11	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		12/31/11 07:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		12/31/11 07:11	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		12/31/11 07:11	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		12/31/11 07:11	106-93-4	
Dibromomethane	ND ug/L		1.0	1		12/31/11 07:11	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 07:11	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 07:11	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		12/31/11 07:11	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		12/31/11 07:11	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		12/31/11 07:11	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		12/31/11 07:11	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		12/31/11 07:11	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		12/31/11 07:11	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		12/31/11 07:11	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 07:11	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		12/31/11 07:11	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		12/31/11 07:11	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		12/31/11 07:11	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 07:11	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		12/31/11 07:11	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		12/31/11 07:11	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		12/31/11 07:11	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		12/31/11 07:11	87-68-3	
2-Hexanone	ND ug/L		5.0	1		12/31/11 07:11	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		12/31/11 07:11	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		12/31/11 07:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		12/31/11 07:11	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		12/31/11 07:11	1634-04-4	
Naphthalene	ND ug/L		1.0	1		12/31/11 07:11	91-20-3	
Styrene	ND ug/L		1.0	1		12/31/11 07:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 07:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		12/31/11 07:11	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		12/31/11 07:11	127-18-4	



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### ANALYTICAL RESULTS

Project: General Time 38111-003  
 Pace Project No.: 92109131

Sample: Trip Blank		Lab ID: 92109131007	Collected: 12/22/11 00:00	Received: 12/23/11 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND ug/L		1.0	1		12/31/11 07:11	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 07:11	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		12/31/11 07:11	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		12/31/11 07:11	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		12/31/11 07:11	79-00-5	
Trichloroethene	ND ug/L		1.0	1		12/31/11 07:11	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		12/31/11 07:11	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		12/31/11 07:11	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		12/31/11 07:11	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		12/31/11 07:11	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		12/31/11 07:11	179601-23-1	
o-Xylene	ND ug/L		1.0	1		12/31/11 07:11	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97 %		70-130	1		12/31/11 07:11	460-00-4	
Dibromofluoromethane (S)	112 %		70-130	1		12/31/11 07:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	111 %		70-130	1		12/31/11 07:11	17060-07-0	
Toluene-d8 (S)	93 %		70-130	1		12/31/11 07:11	2037-26-5	



### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

QC Batch: AIR/13923 Analysis Method: RSK 175  
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE  
Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

METHOD BLANK: 1121931 Matrix: Water  
Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	10.0	12/29/11 08:29	
Ethene	ug/L	ND	10.0	12/29/11 08:29	
Methane	ug/L	ND	10.0	12/29/11 08:29	

LABORATORY CONTROL SAMPLE & LCSD: 1121932 1121933

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	121	105	107	93	70-130	14	30	
Ethene	ug/L	106	113	99.8	106	94	70-130	12	30	
Methane	ug/L	60.7	63.5	60.8	105	100	70-130	4	30	

SAMPLE DUPLICATE: 1122068

Parameter	Units	92109131001 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	28000	18000	43	E,R1

SAMPLE DUPLICATE: 1122282

Parameter	Units	92109139003 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	ND		

### QUALITY CONTROL DATA

Project: General Time 38111-003

Pace Project No.: 92109131

QC Batch: MSV/17794 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
Associated Lab Samples: 92109131001, 92109131002, 92109131003

METHOD BLANK: 705672 Matrix: Water

Associated Lab Samples: 92109131001, 92109131002, 92109131003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1-Dichloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,1-Dichloroethene	ug/L	ND	1.0	12/30/11 19:29	
1,1-Dichloropropene	ug/L	ND	1.0	12/30/11 19:29	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/30/11 19:29	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/30/11 19:29	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dichloroethane	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dichloropropane	ug/L	ND	1.0	12/30/11 19:29	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
1,3-Dichloropropane	ug/L	ND	1.0	12/30/11 19:29	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
2,2-Dichloropropane	ug/L	ND	1.0	12/30/11 19:29	
2-Butanone (MEK)	ug/L	ND	5.0	12/30/11 19:29	
2-Chlorotoluene	ug/L	ND	1.0	12/30/11 19:29	
2-Hexanone	ug/L	ND	5.0	12/30/11 19:29	
4-Chlorotoluene	ug/L	ND	1.0	12/30/11 19:29	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/30/11 19:29	
Acetone	ug/L	ND	25.0	12/30/11 19:29	
Benzene	ug/L	ND	1.0	12/30/11 19:29	
Bromobenzene	ug/L	ND	1.0	12/30/11 19:29	
Bromochloromethane	ug/L	ND	1.0	12/30/11 19:29	
Bromodichloromethane	ug/L	ND	1.0	12/30/11 19:29	
Bromoform	ug/L	ND	1.0	12/30/11 19:29	
Bromomethane	ug/L	ND	2.0	12/30/11 19:29	
Carbon tetrachloride	ug/L	ND	1.0	12/30/11 19:29	
Chlorobenzene	ug/L	ND	1.0	12/30/11 19:29	
Chloroethane	ug/L	ND	1.0	12/30/11 19:29	
Chloroform	ug/L	ND	1.0	12/30/11 19:29	
Chloromethane	ug/L	ND	1.0	12/30/11 19:29	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/30/11 19:29	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/30/11 19:29	
Dibromochloromethane	ug/L	ND	1.0	12/30/11 19:29	
Dibromomethane	ug/L	ND	1.0	12/30/11 19:29	
Dichlorodifluoromethane	ug/L	ND	1.0	12/30/11 19:29	
Diisopropyl ether	ug/L	ND	1.0	12/30/11 19:29	
Ethylbenzene	ug/L	ND	1.0	12/30/11 19:29	

### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

METHOD BLANK: 705672 Matrix: Water

Associated Lab Samples: 92109131001, 92109131002, 92109131003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/30/11 19:29	
m&p-Xylene	ug/L	ND	2.0	12/30/11 19:29	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/30/11 19:29	
Methylene Chloride	ug/L	ND	2.0	12/30/11 19:29	
Naphthalene	ug/L	ND	1.0	12/30/11 19:29	
o-Xylene	ug/L	ND	1.0	12/30/11 19:29	
p-Isopropyltoluene	ug/L	ND	1.0	12/30/11 19:29	
Styrene	ug/L	ND	1.0	12/30/11 19:29	
Tetrachloroethene	ug/L	ND	1.0	12/30/11 19:29	
Toluene	ug/L	ND	1.0	12/30/11 19:29	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/30/11 19:29	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/30/11 19:29	
Trichloroethene	ug/L	ND	1.0	12/30/11 19:29	
Trichlorofluoromethane	ug/L	ND	1.0	12/30/11 19:29	
Vinyl acetate	ug/L	ND	2.0	12/30/11 19:29	
Vinyl chloride	ug/L	ND	1.0	12/30/11 19:29	
1,2-Dichloroethane-d4 (S)	%	106	70-130	12/30/11 19:29	
4-Bromofluorobenzene (S)	%	94	70-130	12/30/11 19:29	
Dibromofluoromethane (S)	%	103	70-130	12/30/11 19:29	
Toluene-d8 (S)	%	102	70-130	12/30/11 19:29	

LABORATORY CONTROL SAMPLE: 705673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	55.4	111	70-130	
1,1,1-Trichloroethane	ug/L	50	50.4	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	52.0	104	70-130	
1,1-Dichloroethane	ug/L	50	47.2	94	70-130	
1,1-Dichloroethene	ug/L	50	51.9	104	70-132	
1,1-Dichloropropene	ug/L	50	55.0	110	70-130	
1,2,3-Trichlorobenzene	ug/L	50	57.1	114	70-135	
1,2,3-Trichloropropane	ug/L	50	47.3	95	70-130	
1,2,4-Trichlorobenzene	ug/L	50	60.3	121	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	53.2	106	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.9	112	70-130	
1,2-Dichlorobenzene	ug/L	50	54.5	109	70-130	
1,2-Dichloroethane	ug/L	50	51.3	103	70-130	
1,2-Dichloropropane	ug/L	50	50.6	101	70-130	
1,3-Dichlorobenzene	ug/L	50	55.1	110	70-130	
1,3-Dichloropropane	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.1	104	70-130	
2,2-Dichloropropane	ug/L	50	46.0	92	58-145	
2-Butanone (MEK)	ug/L	100	102	102	70-145	
2-Chlorotoluene	ug/L	50	54.1	108	70-130	

### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

LABORATORY CONTROL SAMPLE: 705673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	113	113	70-144	
4-Chlorotoluene	ug/L	50	56.1	112	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	108	108	70-140	
Acetone	ug/L	100	101	101	50-175	
Benzene	ug/L	50	53.2	106	70-130	
Bromobenzene	ug/L	50	50.9	102	70-130	
Bromochloromethane	ug/L	50	49.4	99	70-130	
Bromodichloromethane	ug/L	50	48.4	97	70-130	
Bromoform	ug/L	50	48.2	96	70-130	
Bromomethane	ug/L	50	49.9	100	54-130	
Carbon tetrachloride	ug/L	50	52.5	105	70-132	
Chlorobenzene	ug/L	50	53.9	108	70-130	
Chloroethane	ug/L	50	52.3	105	64-134	
Chloroform	ug/L	50	50.7	101	70-130	
Chloromethane	ug/L	50	49.8	100	64-130	
cis-1,2-Dichloroethene	ug/L	50	49.0	98	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	70-130	
Dibromochloromethane	ug/L	50	49.4	99	70-130	
Dibromomethane	ug/L	50	49.9	100	70-131	
Dichlorodifluoromethane	ug/L	50	51.9	104	56-130	
Diisopropyl ether	ug/L	50	47.0	94	70-130	
Ethylbenzene	ug/L	50	54.4	109	70-130	
Hexachloro-1,3-butadiene	ug/L	50	57.1	114	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methyl-tert-butyl ether	ug/L	50	48.6	97	70-130	
Methylene Chloride	ug/L	50	52.7	105	63-130	
Naphthalene	ug/L	50	60.9	122	70-138	
o-Xylene	ug/L	50	53.3	107	70-130	
p-Isopropyltoluene	ug/L	50	59.2	118	70-130	
Styrene	ug/L	50	56.4	113	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	52.6	105	70-130	
trans-1,2-Dichloroethene	ug/L	50	47.1	94	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.1	104	70-132	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	50.3	101	62-133	
Vinyl acetate	ug/L	100	79.7	80	66-157	
Vinyl chloride	ug/L	50	52.9	106	69-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	



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### QUALITY CONTROL DATA

Project: General Time 38111-003  
 Pace Project No.: 92109131

Parameter	Units	92109185004		706179		706180		% Rec	% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
1,1-Dichloroethene	ug/L	ND	50	50	64.8	61.5	130	123	70-166	5			
Benzene	ug/L	ND	50	50	52.8	51.6	106	103	70-148	2			
Chlorobenzene	ug/L	ND	50	50	62.2	59.8	124	120	70-146	4			
Toluene	ug/L	ND	50	50	61.0	58.9	122	118	70-155	3			
Trichloroethene	ug/L	ND	50	50	61.4	57.0	123	114	69-151	7			
1,2-Dichloroethane-d4 (S)	%						105	108	70-130				
4-Bromofluorobenzene (S)	%						99	96	70-130				
Dibromofluoromethane (S)	%						104	104	70-130				
Toluene-d8 (S)	%						99	98	70-130				

### QUALITY CONTROL DATA

Project: General Time 38111-003

Pace Project No.: 92109131

QC Batch: MSV/17799

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92109131006, 92109131007

METHOD BLANK: 705876

Matrix: Water

Associated Lab Samples: 92109131006, 92109131007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/31/11 06:46	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/31/11 06:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/31/11 06:46	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/31/11 06:46	
1,1-Dichloroethane	ug/L	ND	1.0	12/31/11 06:46	
1,1-Dichloroethene	ug/L	ND	1.0	12/31/11 06:46	
1,1-Dichloropropene	ug/L	ND	1.0	12/31/11 06:46	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/31/11 06:46	
1,2,3-Trichloropropane	ug/L	ND	1.0	12/31/11 06:46	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/31/11 06:46	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	12/31/11 06:46	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/31/11 06:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/31/11 06:46	
1,2-Dichloroethane	ug/L	ND	1.0	12/31/11 06:46	
1,2-Dichloropropane	ug/L	ND	1.0	12/31/11 06:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/31/11 06:46	
1,3-Dichloropropane	ug/L	ND	1.0	12/31/11 06:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/31/11 06:46	
2,2-Dichloropropane	ug/L	ND	1.0	12/31/11 06:46	
2-Butanone (MEK)	ug/L	ND	5.0	12/31/11 06:46	
2-Chlorotoluene	ug/L	ND	1.0	12/31/11 06:46	
2-Hexanone	ug/L	ND	5.0	12/31/11 06:46	
4-Chlorotoluene	ug/L	ND	1.0	12/31/11 06:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/31/11 06:46	
Acetone	ug/L	ND	25.0	12/31/11 06:46	
Benzene	ug/L	ND	1.0	12/31/11 06:46	
Bromobenzene	ug/L	ND	1.0	12/31/11 06:46	
Bromochloromethane	ug/L	ND	1.0	12/31/11 06:46	
Bromodichloromethane	ug/L	ND	1.0	12/31/11 06:46	
Bromoform	ug/L	ND	1.0	12/31/11 06:46	
Bromomethane	ug/L	ND	2.0	12/31/11 06:46	
Carbon tetrachloride	ug/L	ND	1.0	12/31/11 06:46	
Chlorobenzene	ug/L	ND	1.0	12/31/11 06:46	
Chloroethane	ug/L	ND	1.0	12/31/11 06:46	
Chloroform	ug/L	ND	1.0	12/31/11 06:46	
Chloromethane	ug/L	ND	1.0	12/31/11 06:46	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/31/11 06:46	
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/31/11 06:46	
Dibromochloromethane	ug/L	ND	1.0	12/31/11 06:46	
Dibromomethane	ug/L	ND	1.0	12/31/11 06:46	
Dichlorodifluoromethane	ug/L	ND	1.0	12/31/11 06:46	
Diisopropyl ether	ug/L	ND	1.0	12/31/11 06:46	
Ethylbenzene	ug/L	ND	1.0	12/31/11 06:46	

### QUALITY CONTROL DATA

Project: General Time 38111-003

Pace Project No.: 92109131

METHOD BLANK: 705876

Matrix: Water

Associated Lab Samples: 92109131006, 92109131007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/31/11 06:46	
m&p-Xylene	ug/L	ND	2.0	12/31/11 06:46	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/31/11 06:46	
Methylene Chloride	ug/L	ND	2.0	12/31/11 06:46	
Naphthalene	ug/L	ND	1.0	12/31/11 06:46	
o-Xylene	ug/L	ND	1.0	12/31/11 06:46	
p-Isopropyltoluene	ug/L	ND	1.0	12/31/11 06:46	
Styrene	ug/L	ND	1.0	12/31/11 06:46	
Tetrachloroethene	ug/L	ND	1.0	12/31/11 06:46	
Toluene	ug/L	ND	1.0	12/31/11 06:46	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/31/11 06:46	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/31/11 06:46	
Trichloroethene	ug/L	ND	1.0	12/31/11 06:46	
Trichlorofluoromethane	ug/L	ND	1.0	12/31/11 06:46	
Vinyl acetate	ug/L	ND	2.0	12/31/11 06:46	
Vinyl chloride	ug/L	ND	1.0	12/31/11 06:46	
1,2-Dichloroethane-d4 (S)	%	108	70-130	12/31/11 06:46	
4-Bromofluorobenzene (S)	%	90	70-130	12/31/11 06:46	
Dibromofluoromethane (S)	%	112	70-130	12/31/11 06:46	
Toluene-d8 (S)	%	92	70-130	12/31/11 06:46	

LABORATORY CONTROL SAMPLE: 705877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.3	113	70-130	
1,1,1-Trichloroethane	ug/L	50	50.6	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	70-130	
1,1,2-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1-Dichloroethane	ug/L	50	49.4	99	70-130	
1,1-Dichloroethene	ug/L	50	51.6	103	70-132	
1,1-Dichloropropene	ug/L	50	47.9	96	70-130	
1,2,3-Trichlorobenzene	ug/L	50	48.0	96	70-135	
1,2,3-Trichloropropane	ug/L	50	46.6	93	70-130	
1,2,4-Trichlorobenzene	ug/L	50	48.9	98	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	51.8	104	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.0	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.0	100	70-130	
1,2-Dichloroethane	ug/L	50	53.7	107	70-130	
1,2-Dichloropropane	ug/L	50	50.6	101	70-130	
1,3-Dichlorobenzene	ug/L	50	48.9	98	70-130	
1,3-Dichloropropane	ug/L	50	47.2	94	70-130	
1,4-Dichlorobenzene	ug/L	50	48.2	96	70-130	
2,2-Dichloropropane	ug/L	50	42.0	84	58-145	
2-Butanone (MEK)	ug/L	100	91.4	91	70-145	
2-Chlorotoluene	ug/L	50	50.4	101	70-130	

### QUALITY CONTROL DATA

Project: General Time 38111-003

Pace Project No.: 92109131

LABORATORY CONTROL SAMPLE: 705877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	96.5	97	70-144	
4-Chlorotoluene	ug/L	50	50.3	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	70-140	
Acetone	ug/L	100	108	108	50-175	SS
Benzene	ug/L	50	50.0	100	70-130	
Bromobenzene	ug/L	50	48.3	97	70-130	
Bromochloromethane	ug/L	50	54.2	108	70-130	
Bromodichloromethane	ug/L	50	54.4	109	70-130	
Bromoform	ug/L	50	52.8	106	70-130	
Bromomethane	ug/L	50	69.5	139	54-130	L3
Carbon tetrachloride	ug/L	50	61.7	123	70-132	
Chlorobenzene	ug/L	50	49.6	99	70-130	
Chloroethane	ug/L	50	54.9	110	64-134	
Chloroform	ug/L	50	52.1	104	70-130	
Chloromethane	ug/L	50	56.6	113	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.2	96	70-131	
cis-1,3-Dichloropropene	ug/L	50	54.0	108	70-130	
Dibromochloromethane	ug/L	50	54.9	110	70-130	
Dibromomethane	ug/L	50	52.7	105	70-131	
Dichlorodifluoromethane	ug/L	50	53.5	107	56-130	
Diisopropyl ether	ug/L	50	48.3	97	70-130	
Ethylbenzene	ug/L	50	48.8	98	70-130	
Hexachloro-1,3-butadiene	ug/L	50	47.1	94	70-130	
m&p-Xylene	ug/L	100	97.8	98	70-130	
Methyl-tert-butyl ether	ug/L	50	49.5	99	70-130	
Methylene Chloride	ug/L	50	56.0	112	63-130	
Naphthalene	ug/L	50	53.5	107	70-138	
o-Xylene	ug/L	50	49.7	99	70-130	
p-Isopropyltoluene	ug/L	50	48.6	97	70-130	
Styrene	ug/L	50	50.4	101	70-130	
Tetrachloroethene	ug/L	50	48.2	96	70-130	
Toluene	ug/L	50	50.7	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	55.3	111	70-132	
Trichloroethene	ug/L	50	52.3	105	70-130	
Trichlorofluoromethane	ug/L	50	52.9	106	62-133	
Vinyl acetate	ug/L	100	83.6	84	66-157	
Vinyl chloride	ug/L	50	54.4	109	69-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			102	70-130	



### QUALITY CONTROL DATA

Project: General Time 38111-003

Pace Project No.: 92109131

Parameter	92109149002		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
1,1-Dichloroethene	ug/L	ND	50	50	59.5	64.9	119	130	70-166	9			
Benzene	ug/L	ND	50	50	50.1	56.2	100	112	70-148	11			
Chlorobenzene	ug/L	ND	50	50	54.1	61.8	108	124	70-146	13			
Toluene	ug/L	ND	50	50	51.9	59.4	104	119	70-155	14			
Trichloroethene	ug/L	ND	50	50	58.2	65.2	116	130	69-151	11			
1,2-Dichloroethane-d4 (S)	%						112	112	70-130				
4-Bromofluorobenzene (S)	%						99	102	70-130				
Dibromofluoromethane (S)	%						115	113	70-130				
Toluene-d8 (S)	%						96	98	70-130				

### QUALITY CONTROL DATA

Project: General Time 38111-003

Pace Project No.: 92109131

QC Batch: MSV/17821

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92109131004, 92109131005

METHOD BLANK: 706371

Matrix: Water

Associated Lab Samples: 92109131004, 92109131005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1-Dichloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,1-Dichloroethene	ug/L	ND	1.0	01/03/12 13:22	
1,1-Dichloropropene	ug/L	ND	1.0	01/03/12 13:22	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/03/12 13:22	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/03/12 13:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dichloroethane	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dichloropropane	ug/L	ND	1.0	01/03/12 13:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
1,3-Dichloropropane	ug/L	ND	1.0	01/03/12 13:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
2,2-Dichloropropane	ug/L	ND	1.0	01/03/12 13:22	
2-Butanone (MEK)	ug/L	ND	5.0	01/03/12 13:22	
2-Chlorotoluene	ug/L	ND	1.0	01/03/12 13:22	
2-Hexanone	ug/L	ND	5.0	01/03/12 13:22	
4-Chlorotoluene	ug/L	ND	1.0	01/03/12 13:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	01/03/12 13:22	
Acetone	ug/L	ND	25.0	01/03/12 13:22	
Benzene	ug/L	ND	1.0	01/03/12 13:22	
Bromobenzene	ug/L	ND	1.0	01/03/12 13:22	
Bromochloromethane	ug/L	ND	1.0	01/03/12 13:22	
Bromodichloromethane	ug/L	ND	1.0	01/03/12 13:22	
Bromoform	ug/L	ND	1.0	01/03/12 13:22	
Bromomethane	ug/L	ND	2.0	01/03/12 13:22	
Carbon tetrachloride	ug/L	ND	1.0	01/03/12 13:22	
Chlorobenzene	ug/L	ND	1.0	01/03/12 13:22	
Chloroethane	ug/L	ND	1.0	01/03/12 13:22	
Chloroform	ug/L	ND	1.0	01/03/12 13:22	
Chloromethane	ug/L	ND	1.0	01/03/12 13:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/03/12 13:22	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/03/12 13:22	
Dibromochloromethane	ug/L	ND	1.0	01/03/12 13:22	
Dibromomethane	ug/L	ND	1.0	01/03/12 13:22	
Dichlorodifluoromethane	ug/L	ND	1.0	01/03/12 13:22	
Diisopropyl ether	ug/L	ND	1.0	01/03/12 13:22	
Ethylbenzene	ug/L	ND	1.0	01/03/12 13:22	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: General Time 38111-003

Pace Project No.: 92109131

METHOD BLANK: 706371

Matrix: Water

Associated Lab Samples: 92109131004, 92109131005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/03/12 13:22	
m&p-Xylene	ug/L	ND	2.0	01/03/12 13:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/03/12 13:22	
Methylene Chloride	ug/L	ND	2.0	01/03/12 13:22	
Naphthalene	ug/L	ND	1.0	01/03/12 13:22	
o-Xylene	ug/L	ND	1.0	01/03/12 13:22	
p-Isopropyltoluene	ug/L	ND	1.0	01/03/12 13:22	
Styrene	ug/L	ND	1.0	01/03/12 13:22	
Tetrachloroethene	ug/L	ND	1.0	01/03/12 13:22	
Toluene	ug/L	ND	1.0	01/03/12 13:22	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/03/12 13:22	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/03/12 13:22	
Trichloroethene	ug/L	ND	1.0	01/03/12 13:22	
Trichlorofluoromethane	ug/L	ND	1.0	01/03/12 13:22	
Vinyl acetate	ug/L	ND	2.0	01/03/12 13:22	
Vinyl chloride	ug/L	ND	1.0	01/03/12 13:22	
1,2-Dichloroethane-d4 (S)	%	110	70-130	01/03/12 13:22	
4-Bromofluorobenzene (S)	%	101	70-130	01/03/12 13:22	
Dibromofluoromethane (S)	%	110	70-130	01/03/12 13:22	
Toluene-d8 (S)	%	102	70-130	01/03/12 13:22	

LABORATORY CONTROL SAMPLE: 706372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.9	106	70-130	
1,1,1-Trichloroethane	ug/L	50	50.7	101	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	51.1	102	70-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	46.7	93	70-130	
1,1-Dichloroethene	ug/L	50	51.6	103	70-132	
1,1-Dichloropropene	ug/L	50	54.9	110	70-130	
1,2,3-Trichlorobenzene	ug/L	50	54.3	109	70-135	
1,2,3-Trichloropropane	ug/L	50	48.5	97	70-130	
1,2,4-Trichlorobenzene	ug/L	50	58.6	117	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	57.5	115	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.7	109	70-130	
1,2-Dichlorobenzene	ug/L	50	53.0	106	70-130	
1,2-Dichloroethane	ug/L	50	50.3	101	70-130	
1,2-Dichloropropane	ug/L	50	47.7	95	70-130	
1,3-Dichlorobenzene	ug/L	50	54.2	108	70-130	
1,3-Dichloropropane	ug/L	50	50.7	101	70-130	
1,4-Dichlorobenzene	ug/L	50	51.7	103	70-130	
2,2-Dichloropropane	ug/L	50	50.6	101	58-145	
2-Butanone (MEK)	ug/L	100	114	114	70-145	
2-Chlorotoluene	ug/L	50	54.3	109	70-130	

### QUALITY CONTROL DATA

Project: General Time 38111-003

Pace Project No.: 92109131

LABORATORY CONTROL SAMPLE: 706372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	114	114	70-144	
4-Chlorotoluene	ug/L	50	55.0	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	106	106	70-140	
Acetone	ug/L	100	116	116	50-175	
Benzene	ug/L	50	50.2	100	70-130	
Bromobenzene	ug/L	50	52.5	105	70-130	
Bromochloromethane	ug/L	50	48.0	96	70-130	
Bromodichloromethane	ug/L	50	47.5	95	70-130	
Bromoform	ug/L	50	52.8	106	70-130	
Bromomethane	ug/L	50	28.7	57	54-130	
Carbon tetrachloride	ug/L	50	50.3	101	70-132	
Chlorobenzene	ug/L	50	51.5	103	70-130	
Chloroethane	ug/L	50	48.0	96	64-134	
Chloroform	ug/L	50	50.1	100	70-130	
Chloromethane	ug/L	50	45.5	91	64-130	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.9	102	70-130	
Dibromochloromethane	ug/L	50	50.2	100	70-130	
Dibromomethane	ug/L	50	49.4	99	70-131	
Dichlorodifluoromethane	ug/L	50	46.5	93	56-130	
Diisopropyl ether	ug/L	50	47.8	96	70-130	
Ethylbenzene	ug/L	50	51.4	103	70-130	
Hexachloro-1,3-butadiene	ug/L	50	55.4	111	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	48.8	98	70-130	
Methylene Chloride	ug/L	50	48.7	97	63-130	
Naphthalene	ug/L	50	59.3	119	70-138	
o-Xylene	ug/L	50	51.1	102	70-130	
p-Isopropyltoluene	ug/L	50	58.1	116	70-130	
Styrene	ug/L	50	54.3	109	70-130	
Tetrachloroethene	ug/L	50	51.2	102	70-130	
Toluene	ug/L	50	50.9	102	70-130	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	70-130	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	70-132	
Trichloroethene	ug/L	50	53.8	108	70-130	
Trichlorofluoromethane	ug/L	50	48.7	97	62-133	
Vinyl acetate	ug/L	100	82.2	82	66-157	
Vinyl chloride	ug/L	50	50.7	101	69-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	



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### QUALITY CONTROL DATA

Project: General Time 38111-003  
 Pace Project No.: 92109131

QC Batch: WET/19200 Analysis Method: SM 2320B  
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
 Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

METHOD BLANK: 706340 Matrix: Water  
 Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	01/04/12 10:30	

LABORATORY CONTROL SAMPLE: 706341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.3	95	90-110	

SAMPLE DUPLICATE: 706342

Parameter	Units	92109240001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	44.1	44.1	0	



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**QUALITY CONTROL DATA**

Project: General Time 38111-003  
 Pace Project No.: 92109131

QC Batch: WET/19148 Analysis Method: SM 3500-Fe D#4  
 QC Batch Method: SM 3500-Fe D#4 Analysis Description: Iron, Ferrous  
 Associated Lab Samples: 92109131001, 92109131002

METHOD BLANK: 704785 Matrix: Water  
 Associated Lab Samples: 92109131001, 92109131002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.50	12/28/11 12:03	N2

LABORATORY CONTROL SAMPLE: 704786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.5	1.6	105	90-110	N2

SAMPLE DUPLICATE: 704787

Parameter	Units	92108465002 Result	Dup Result	RPD	Qualifiers
Iron, Ferrous	mg/L	2.9	2.1	33	D6,H1,N2

### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

QC Batch: WET/19149 Analysis Method: SM 3500-Fe D#4  
QC Batch Method: SM 3500-Fe D#4 Analysis Description: Iron, Ferrous  
Associated Lab Samples: 92109131003, 92109131004, 92109131005, 92109131006

METHOD BLANK: 704792 Matrix: Water  
Associated Lab Samples: 92109131003, 92109131004, 92109131005, 92109131006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.50	12/28/11 12:35	N2

LABORATORY CONTROL SAMPLE: 704793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.5	1.6	105	90-110	N2

SAMPLE DUPLICATE: 704794

Parameter	Units	92109139001 Result	Dup Result	RPD	Qualifiers
Iron, Ferrous	mg/L	ND	ND		H1,N2

### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

QC Batch: WET/19126 Analysis Method: SM 4500-S2D  
QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water  
Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

METHOD BLANK: 704466 Matrix: Water  
Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	12/27/11 13:30	

LABORATORY CONTROL SAMPLE: 704467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.51	101	90-110	

MATRIX SPIKE SAMPLE: 704468

Parameter	Units	92109002001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.35	71	75-125	M1

MATRIX SPIKE SAMPLE: 704631

Parameter	Units	92109131002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.50	100	75-125	

SAMPLE DUPLICATE: 704469

Parameter	Units	92109002001 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		

SAMPLE DUPLICATE: 704632

Parameter	Units	92109131002 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		



### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

QC Batch: WETA/11265 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 92109131001

METHOD BLANK: 705674 Matrix: Water  
Associated Lab Samples: 92109131001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	01/04/12 15:54	

LABORATORY CONTROL SAMPLE: 705675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.5	98	90-110	

MATRIX SPIKE SAMPLE: 705676

Parameter	Units	92109363001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	22.6	97	90-110	

MATRIX SPIKE SAMPLE: 705678

Parameter	Units	92109038003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	7.9	20	26.8	95	90-110	

SAMPLE DUPLICATE: 705677

Parameter	Units	92109363001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

SAMPLE DUPLICATE: 705679

Parameter	Units	92109038003 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	7.9	7.9	0	

### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

QC Batch: WETA/11285 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

METHOD BLANK: 707201 Matrix: Water  
Associated Lab Samples: 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	01/09/12 15:23	

LABORATORY CONTROL SAMPLE: 707202

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.7	98	90-110	

MATRIX SPIKE SAMPLE: 707203

Parameter	Units	92109131002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	20.2	92	90-110	

MATRIX SPIKE SAMPLE: 707205

Parameter	Units	92109318004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	25.8	20	48.2	112	90-110	M1

SAMPLE DUPLICATE: 707204

Parameter	Units	92109131002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

SAMPLE DUPLICATE: 707206

Parameter	Units	92109318004 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	25.8	25.9	0	

### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

QC Batch: WETA/11239 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.  
Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

METHOD BLANK: 704335 Matrix: Water  
Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.20	12/23/11 21:29	
Nitrogen, Nitrite	mg/L	ND	0.10	12/23/11 21:29	
Nitrogen, NO2 plus NO3	mg/L	ND	0.20	12/23/11 21:29	

LABORATORY CONTROL SAMPLE: 704336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	4.9	98	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	102	90-110	
Nitrogen, NO2 plus NO3	mg/L	5	4.9	98	90-110	

MATRIX SPIKE SAMPLE: 704337

Parameter	Units	92109139002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	5	6.2	101	90-110	
Nitrogen, Nitrite	mg/L	ND	1	1.2	113	90-110 M1	
Nitrogen, NO2 plus NO3	mg/L	1.1	5	6.2	101	90-110	

MATRIX SPIKE SAMPLE: 704339

Parameter	Units	92109131001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	4.5	91	90-110	
Nitrogen, Nitrite	mg/L	1.5	1	2.3	86	90-110 M1	
Nitrogen, NO2 plus NO3	mg/L	ND	5	4.5	91	90-110	

SAMPLE DUPLICATE: 704338

Parameter	Units	92109139002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	1.1	1.1	1	
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	1.1	1.1	1	



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### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

SAMPLE DUPLICATE: 704340

Parameter	Units	92109131001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		
Nitrogen, Nitrite	mg/L	1.5	1.5	0	
Nitrogen, NO2 plus NO3	mg/L	ND	ND		

### QUALITY CONTROL DATA

Project: General Time 38111-003  
Pace Project No.: 92109131

QC Batch: WETA/11284 Analysis Method: SM 5310B  
QC Batch Method: SM 5310B Analysis Description: 5310B TOC  
Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

METHOD BLANK: 707192 Matrix: Water  
Associated Lab Samples: 92109131001, 92109131002, 92109131003, 92109131004, 92109131005, 92109131006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	01/06/12 13:46	

LABORATORY CONTROL SAMPLE: 707193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	23.7	95	90-110	

MATRIX SPIKE SAMPLE: 707194

Parameter	Units	92109098002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.9	25	24.5	90	75-125	

MATRIX SPIKE SAMPLE: 707196

Parameter	Units	92109585006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.9	25	24.9	92	75-125	

SAMPLE DUPLICATE: 707195

Parameter	Units	92109131001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	42.8	42.9	0	

SAMPLE DUPLICATE: 707197

Parameter	Units	92109585007 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	2.4	2.4	0	

## QUALIFIERS

Project: General Time 38111-003  
Pace Project No.: 92109131

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

### LABORATORIES

PASI-A Pace Analytical Services - Asheville  
PASI-C Pace Analytical Services - Charlotte  
PASI-M Pace Analytical Services - Minneapolis

### ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

H1 Analysis conducted outside the EPA method holding time.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: General Time 38111-003

Pace Project No.: 92109131

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92109131001	MW11 D	RSK 175	AIR/13923		
92109131002	MW4 I	RSK 175	AIR/13923		
92109131003	MW16 I	RSK 175	AIR/13923		
92109131004	MW16 D	RSK 175	AIR/13923		
92109131005	MW2 D	RSK 175	AIR/13923		
92109131006	Duplicate	RSK 175	AIR/13923		
92109131001	MW11 D	EPA 8260	MSV/17794		
92109131002	MW4 I	EPA 8260	MSV/17794		
92109131003	MW16 I	EPA 8260	MSV/17794		
92109131004	MW16 D	EPA 8260	MSV/17821		
92109131005	MW2 D	EPA 8260	MSV/17821		
92109131006	Duplicate	EPA 8260	MSV/17799		
92109131007	Trip Blank	EPA 8260	MSV/17799		
92109131001	MW11 D	SM 2320B	WET/19200		
92109131002	MW4 I	SM 2320B	WET/19200		
92109131003	MW16 I	SM 2320B	WET/19200		
92109131004	MW16 D	SM 2320B	WET/19200		
92109131005	MW2 D	SM 2320B	WET/19200		
92109131006	Duplicate	SM 2320B	WET/19200		
92109131001	MW11 D	SM 3500-Fe D#4	WET/19148		
92109131002	MW4 I	SM 3500-Fe D#4	WET/19148		
92109131003	MW16 I	SM 3500-Fe D#4	WET/19149		
92109131004	MW16 D	SM 3500-Fe D#4	WET/19149		
92109131005	MW2 D	SM 3500-Fe D#4	WET/19149		
92109131006	Duplicate	SM 3500-Fe D#4	WET/19149		
92109131001	MW11 D	SM 4500-S2D	WET/19126		
92109131002	MW4 I	SM 4500-S2D	WET/19126		
92109131003	MW16 I	SM 4500-S2D	WET/19126		
92109131004	MW16 D	SM 4500-S2D	WET/19126		
92109131005	MW2 D	SM 4500-S2D	WET/19126		
92109131006	Duplicate	SM 4500-S2D	WET/19126		
92109131001	MW11 D	EPA 300.0	WETA/11265		
92109131002	MW4 I	EPA 300.0	WETA/11285		
92109131003	MW16 I	EPA 300.0	WETA/11285		
92109131004	MW16 D	EPA 300.0	WETA/11285		
92109131005	MW2 D	EPA 300.0	WETA/11285		
92109131006	Duplicate	EPA 300.0	WETA/11285		
92109131001	MW11 D	EPA 353.2	WETA/11239		
92109131002	MW4 I	EPA 353.2	WETA/11239		
92109131003	MW16 I	EPA 353.2	WETA/11239		
92109131004	MW16 D	EPA 353.2	WETA/11239		
92109131005	MW2 D	EPA 353.2	WETA/11239		
92109131006	Duplicate	EPA 353.2	WETA/11239		



Pace Analytical Services, Inc.  
205 East Meadow Road - Suite A  
Eden, NC 27288  
(336)623-8921

Pace Analytical Services, Inc.  
2225 Riverside Dr.  
Asheville, NC 28804  
(828)254-7176

Pace Analytical Services, Inc.  
9800 Kinsey Ave. Suite 100  
Huntersville, NC 28078  
(704)875-9092

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: General Time 38111-003  
Pace Project No.: 92109131

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92109131001	MW11 D	SM 5310B	WETA/11284		
92109131002	MW4 I	SM 5310B	WETA/11284		
92109131003	MW16 I	SM 5310B	WETA/11284		
92109131004	MW16 D	SM 5310B	WETA/11284		
92109131005	MW2 D	SM 5310B	WETA/11284		
92109131006	Duplicate	SM 5310B	WETA/11284		





Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

January 10, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92109131**

*Microseeps Workorder: 3758*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, December 28, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl      01/10/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 14

Report ID: 3758 - 168133

Page 1 of 10

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## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories	
<b>Accreditation ID:</b>	02-00538	
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste	
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories	
<b>Accreditation ID:</b>	E87832	
<b>Scope:</b>	Clean Water Act (CWA)	Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification	
<b>Accreditation ID:</b>	89009003	
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)	
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality	
<b>Accreditation ID:</b>	04104	
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water	
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection	
<b>Accreditation ID:</b>	PA026	
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials	
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center	
<b>Accreditation ID:</b>	11815	
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste	
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health	
<b>Accreditation ID:</b>	PH-0263	
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)	
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality	
<b>Accreditation ID:</b>	T104704453-09-TX	
<b>Scope:</b>	Non-Potable Water	
<b>Accreditor:</b>	State of New Hampshire	
<b>Accreditation ID:</b>	299409	
<b>Scope:</b>	Non-potable water	
<b>Accreditor:</b>	State of Georgia	
<b>Accreditation ID:</b>	Chapter 391-3-26	
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).	

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### SAMPLE SUMMARY

Workorder: 3758 GENERAL TIME / 92109131

Lab ID	Sample ID	Matrix	Date Collected	Date Received
37580001	MW11 D	Water	12/22/2011 09:28	12/28/2011 10:30
37580002	MW4 I	Water	12/22/2011 11:05	12/28/2011 10:30
37580003	MW16 I	Water	12/22/2011 12:48	12/28/2011 10:30
37580004	MW16 D	Water	12/22/2011 13:48	12/28/2011 10:30
37580005	MW2 D	Water	12/22/2011 16:00	12/28/2011 10:30
37580006	DUPLICATE	Water	12/22/2011 16:18	12/28/2011 10:30

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### ANALYTICAL RESULTS

Workorder: 3758 GENERAL TIME / 92109131

Lab ID: **37580001** Date Received: 12/28/2011 10:30 Matrix: Water  
 Sample ID: **MW11 D** Date Collected: 12/22/2011 09:28

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	28 mg/l	5.0	0.070	1		1/4/2012 08:51	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.17 mg/l	0.10	0.010	1		1/5/2012 18:11	KB		
Acetic Acid	1.8 mg/l	0.070	0.0060	1		1/5/2012 18:11	KB		
Propionic Acid	<0.050 mg/l	0.050	0.0070	1		1/5/2012 18:11	KB		
Butyric Acid	<0.050 mg/l	0.050	0.0040	1		1/5/2012 18:11	KB		
Pyruvic Acid	<0.15 mg/l	0.15	0.033	1		1/5/2012 18:11	KB		

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## ANALYTICAL RESULTS

Workorder: 3758 GENERAL TIME / 92109131

Lab ID: 37580002 Date Received: 12/28/2011 10:30 Matrix: Water  
Sample ID: MW4 I Date Collected: 12/22/2011 11:05

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	39mg/l	5.0	0.070	1		1/4/2012 09:04	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<0.10mg/l	0.10	0.010	1		1/5/2012 18:53	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/5/2012 18:53	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/5/2012 18:53	KB		
Butyric Acid	<0.050mg/l	0.050	0.0040	1		1/5/2012 18:53	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/5/2012 18:53	KB		

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### ANALYTICAL RESULTS

Workorder: 3758 GENERAL TIME / 92109131

Lab ID: **37580003** Date Received: 12/28/2011 10:30 Matrix: Water  
 Sample ID: **MW16 I** Date Collected: 12/22/2011 12:48

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	130mg/l	5.0	0.070	1		1/4/2012 09:13	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<0.10mg/l	0.10	0.010	1		1/5/2012 19:35	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/5/2012 19:35	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/5/2012 19:35	KB		
Butyric Acid	<0.050mg/l	0.050	0.0040	1		1/5/2012 19:35	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/5/2012 19:35	KB		

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## ANALYTICAL RESULTS

Workorder: 3758 GENERAL TIME / 92109131

Lab ID: 37580004 Date Received: 12/28/2011 10:30 Matrix: Water  
Sample ID: MW16 D Date Collected: 12/22/2011 13:48

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	53mg/l	5.0	0.070	1		1/4/2012 09:24	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<0.10mg/l	0.10	0.010	1		1/5/2012 20:17	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/5/2012 20:17	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/5/2012 20:17	KB		
Butyric Acid	<0.050mg/l	0.050	0.0040	1		1/5/2012 20:17	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/5/2012 20:17	KB		

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**ANALYTICAL RESULTS**

Workorder: 3758 GENERAL TIME / 92109131

Lab ID: 37580005 Date Received: 12/28/2011 10:30 Matrix: Water  
 Sample ID: MW2 D Date Collected: 12/22/2011 16:00

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	<5.0mg/l	5.0	0.070	1		1/4/2012 09:36	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.16mg/l	0.10	0.010	1		1/5/2012 20:59	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/5/2012 20:59	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/5/2012 20:59	KB		
Butyric Acid	<0.050mg/l	0.050	0.0040	1		1/5/2012 20:59	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/5/2012 20:59	KB		

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### ANALYTICAL RESULTS

Workorder: 3758 GENERAL TIME / 92109131

Lab ID: 37580006 Date Received: 12/28/2011 10:30 Matrix: Water  
 Sample ID: DUPLICATE Date Collected: 12/22/2011 16:18

Parameters	ResultsUnits	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	<5.0mg/l	5.0	0.070	1		1/4/2012 09:46	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.22mg/l	0.10	0.010	1		1/5/2012 21:41	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/5/2012 21:41	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/5/2012 21:41	KB		
Butyric Acid	<0.050mg/l	0.050	0.0040	1		1/5/2012 21:41	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/5/2012 21:41	KB		

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 3758 GENERAL TIME / 92109131

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### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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3758

# Chain of Custody



Workorder: 92109131      Workorder Name: General Time 38111-003      Results Requested: 1/10/2012

Report / Invoice To: microcaps      Subcontract To: CHS10904

Bonnie McKee  
 Pace Analytical Charlotte  
 9800 Kinney Ave. Suite 100  
 Huntersville, NC 28078  
 Phone (704)875-9092  
 Email: bonnie.mckee@pacelabs.com

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers		Requested Analysis	LAB USE ONLY
					Unpreserved	Preserved		
1	MW11 D	12/22/2011 09:28	92109131001	Water				
2	MW4 I	12/22/2011 11:05	92109131002	Water				
3	MW16 I	12/22/2011 12:48	92109131003	Water				
4	MW16 D	12/22/2011 13:48	92109131004	Water				
5	MW2 D	12/22/2011 16:00	92109131005	Water				
6	Duplicate	12/22/2011 16:18	92109131006	Water				
7	Trip-Blank	12/22/2011-00:00	92109131007	Water				

CO2  
Metabolic acids

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	Bonnie McKee Pace	12/21/11 11:30	Fedex	12/21/11 17:30	
2	Fedex		Adair Corp	12-28/11 10:30	10C
3					
4					
5					

NON-CONFORMANCE FORM

Microseeps Project Number: 3758

Date: 12-28-11 Time of Receipt: 10:30 Receiver: H Lar Young

Client: Pace - H

REASON FOR NON-CONFORMANCE:

Vials for LLVFA were correctly preserved with BAK & white septa. However, vials for CO<sub>2</sub> analysis were preserved w/ HCL & white septa.

ACTION TAKEN:

Client name: Bonnie McKee Date: 12/28 Time: 1430

left message for client

correct BAK vials will be sent from Pace Ashville 12/28 - use for CO<sub>2</sub> analysis

use non pres clear vials for LLVFA - note to analyst that vials will need preserved prior to analysis.

Customer Service Initials: HH

Date: 12/28

3758

**Heather Hauser**

---

**From:** Bonnie McKee [Bonnie.McKee@pacelabs.com]  
**Sent:** Wednesday, December 28, 2011 4:26 PM  
**To:** Heather Hauser  
**Subject:** Lot # 103111-3  
**Attachments:** Bonnie McKee.vcf  
  
**Importance:** High

These are our vials and they are unpreserved. Two more coming to you tonight as well.

Pace Analytical will be closed Monday Dec. 26, 2011 and Monday Jan. 2, 2012. Please keep this in mind before samples any short hold analysis.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
[www.pacelabs.com](http://www.pacelabs.com)  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

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# Cooler Receipt Form

Client Name: Pace - H Project: General Time / 38111-003 Lab Work Order: 3758

**A. Shipping/Container Information (circle appropriate response)**

Courier:  FedEx UPS  USPS  Client  Other: \_\_\_\_\_ Air bill Present:  Yes  No

Tracking Number: 4352 1310 0747

Custody Seal on Cooler/Box Present: Yes  No  Seals Intact: Yes  No

Cooler/Box Packing Material:  Bubble Wrap  Absorbent  Foam  Other: \_\_\_\_\_

Type of Ice:  Wet  Blue  None Ice Intact:  Yes  Melted

Cooler Temperature: 1°C Radiation Screened: Yes  No  Chain of Custody Present:  Yes  No

Comments: \_\_\_\_\_

**B. Laboratory Assignment/Log-in (check appropriate response)**

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC		✓		
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC	✓			
Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used		✓		
Are containers properly preserved for the requested testing? (as labeled)		✓		
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments: \_\_\_\_\_

Cooler contents examined/received by: HLG Date: 12-28-11

Project Manager Review: JH Date: 12/29/11



Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

January 6, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92109131**

*Microseeps Workorder: 3756*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, December 28, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl 01/06/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 11

Report ID: 3756 - 165925

Page 1 of 9

**CERTIFICATE OF ANALYSIS**

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Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
<b>Accreditation ID:</b>	02-00538
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories
<b>Accreditation ID:</b>	E87832
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
<b>Accreditation ID:</b>	89009003
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality
<b>Accreditation ID:</b>	04104
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection
<b>Accreditation ID:</b>	PA026
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center
<b>Accreditation ID:</b>	11815
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health
<b>Accreditation ID:</b>	PH-0263
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality
<b>Accreditation ID:</b>	T104704453-09-TX
<b>Scope:</b>	Non-Potable Water
<b>Accreditor:</b>	State of New Hampshire
<b>Accreditation ID:</b>	299409
<b>Scope:</b>	Non-potable water
<b>Accreditor:</b>	State of Georgia
<b>Accreditation ID:</b>	Chapter 391-3-26
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

### SAMPLE SUMMARY

Workorder: 3756 GENERAL TIME / 92109131

Lab ID	Sample ID	Matrix	Date Collected	Date Received
37560001	MW4I	Bubble Strip	12/22/2011 11:05	12/28/2011 10:30
37560002	MW16I	Bubble Strip	12/22/2011 12:48	12/28/2011 10:30
37560003	MW16D	Bubble Strip	12/22/2011 13:48	12/28/2011 10:30
37560004	MW2D	Bubble Strip	12/22/2011 16:00	12/28/2011 10:30
37560005	DUPLICATE	Bubble Strip	12/22/2011 16:18	12/28/2011 10:30

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## ANALYTICAL RESULTS

Workorder: 3756 GENERAL TIME / 92109131

Lab ID: 37560001 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW4I Date Collected: 12/22/2011 11:05

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	1.4nM	0.60	0.25	1		12/30/2011 14:12	SL		

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## ANALYTICAL RESULTS

Workorder: 3756 GENERAL TIME / 92109131

Lab ID: 37560002  
Sample ID: MW16I

Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Date Collected: 12/22/2011 12:48

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	4.7	nM	0.60	0.25	1		12/30/2011 14:25	SL		

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### ANALYTICAL RESULTS

Workorder: 3756 GENERAL TIME / 92109131

Lab ID: 37560003 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW16D Date Collected: 12/22/2011 13:48

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	2.8	nM	0.60	0.25	1		12/30/2011 14:37	SL		

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 Pittsburgh, PA 15238  
 Phone: (412) 826-5245  
 Fax: (412) 826-3433

### ANALYTICAL RESULTS

Workorder: 3756 GENERAL TIME / 92109131

Lab ID: 37560004 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
 Sample ID: MW2D Date Collected: 12/22/2011 16:00

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	4.9	nM	0.60	0.25	1		12/30/2011 14:50	SL		

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Pittsburgh, PA 15238  
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### ANALYTICAL RESULTS

Workorder: 3756 GENERAL TIME / 92109131

Lab ID: 37560005 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: DUPLICATE Date Collected: 12/22/2011 16:18

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX					Analytical Method: AM20GAX					
Hydrogen	3.7	nM	0.60	0.25	1		12/30/2011 15:02	SL		

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220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 3756 GENERAL TIME / 92109131

---

### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

### CERTIFICATE OF ANALYSIS

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3756

# Chain of Custody



Workorder: 92109131      General Time 38111-003      Results Requested 1/10/2012

Report / Invoice To: Subcontract To

Bonnie McKee  
Pace Analytical Charlotte  
9800 Kincey Ave., Suite 100  
Huntersville, NC 28078  
Phone (704)875-9092  
Email: bonnie.mckee@pacelabs.com

*Microseps*      P.O. CHS10909

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers			Date/Time	Comments
					HCL	Unpreserved	Other		
1	MW4 I	12/22/2011 11:05	92109131002	Water					
2	MW16 I	12/22/2011 12:48	92109131003	Water					
3	MW16 D	12/22/2011 13:48	92109131004	Water					
4	MW2 D	12/22/2011 16:00	92109131005	Water					
5	Duplicate	12/22/2011 16:18	92109131006	Water					

*divorced hydrogen*

Transfers	Released By	Date/Time	Received By	Date/Time
1			<i>Hawkins</i>	12-29-11
2				
3				
4				
5				

10:30





Microseeps  
Lab. Proj. #

3756

# CHAIN - OF - CUSTODY RECORD

Microseeps  
COC cont. #

Phone: (412) 826-5245

Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238

Fax No.: (412) 826-3433

Company: Haley & Aldrich  
 Co. Address: 33 Market Point Dr.  
 Phone #: 864-527-0447 Fax #: \_\_\_\_\_  
 Proj. Manager: Britney G. Barnes  
 Proj. Name/Number: General Time / 3811-003  
 Sampler's signature: Shane Brann

Results to: Haley & Aldrich  
 Invoice to: \_\_\_\_\_

Sample ID	Sample Description	Sample Type		Date	Time	Cooler Temp.	Parameters Requested	Remarks
		Water	Solid					
1 MW 11 I	micro seep	✓		12/30/11	15:52			
2 MW 11 S	micro seep	✓		12/30/11	14:47			
3 MW 14 D	micro seep	✓		12/30/11	12:34			
4 MW 14 I	micro seep	✓		12/30/11	10:33			
5 MW 5 I	micro seep	✓		12/31/11	13:37			
6 MW 9 S	micro seep	✓		12/31/11	12:19			
7 MW 9 D	micro seep	✓		12/31/11	10:44			
8 MW 9 I	micro seep	✓		12/31/11	9:25			
9 MW 1 I	micro seep	✓		12/31/11	15:59			
10 MW 1 S	micro seep	✓		12/31/11	15:01			
11 MW 4 I	micro seep	✓		12/31/11	11:23			
12 MW 16 I	micro seep	✓		12/31/11	13:07			
13 MW 16 D	micro seep	✓		12/31/11	14:08			
14 MW 2 D	micro seep	✓		12/31/11	16:35			
15 MW 2 D Duplicate	micro seep	✓		12/31/11	16:52			
16 MW 5 I	micro seep	✓		12/31/11	10:08			
17 MW 7 I	micro seep	✓		12/31/11	11:31			

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Shane Brann	Geo Lab	12/27/11	15:00	Haley & Aldrich	MS	12-28-11	10:30
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:





Document Name:  
**Sample Condition Upon Receipt (SCUR)**  
 Document Number:  
**F-CHR-CS-03-rev.05**

Document Revised: July 29, 2011  
 Page 1 of 2  
 Issuing Authority:  
 Pace Huntersville Quality Office

Client Name: Haley + Aldrich Project # 92109(31)

Where Received:  Huntersville  Asheville  Eden  
 Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_  
 Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no  
 Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Optional  
 Proj. Due Date:  
 Proj. Name:

Thermometer Used: IR Gun T1102 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun  
 Temp Correction Factor Add / Subtract 0 °C

Corrected Cooler Temp.: 5.8 °C Biological Tissue is Frozen: Yes No N/A  
 Temp should be above freezing to 6°C

Date and Initials of person examining contents: JMM 12-23-11

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. no info on COC for trip blank
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. all times on sample labels are different. no time or date on sample labels.
-Includes date/time/ID/Analysis Matrix: <u>IB=WT</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. for trip blank
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

SCUR Review: BUM Date: 12/22/11 SRF Review: PLS Date: 12/23/11

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



Pace Analytical Services, Inc.  
205 East Meadow Road - Suite A  
Eden, NC 27288  
(336)623-8921

Pace Analytical Services, Inc.  
2225 Riverside Dr.  
Asheville, NC 28804  
(828)254-7176

Pace Analytical Services, Inc.  
9800 Kinsey Ave. Suite 100  
Huntersville, NC 28078  
(704)875-9092

January 11, 2012

Ms. Britney Barnes  
Haley & Aldrich  
33 Market Point Drive  
Greenville, SC 29607

RE: Project: GENERAL TIMES  
Pace Project No.: 92109233

Dear Ms. Barnes:

Enclosed are the analytical results for sample(s) received by the laboratory on December 28, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,

Bonnie McKee

bonnie.mckee@pacelabs.com  
Project Manager

Enclosures



### REPORT OF LABORATORY ANALYSIS

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**Pace Analytical Services, Inc.**  
 205 East Meadow Road - Suite A  
 Eden, NC 27288  
 (336)623-8921

**Pace Analytical Services, Inc.**  
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 Asheville, NC 28804  
 (828)254-7176

**Pace Analytical Services, Inc.**  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

## CERTIFICATIONS

Project: GENERAL TIMES  
 Pace Project No.: 92109233

### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414  
 A2LA Certification #: 2926.01  
 Alaska Certification #: UST-078  
 Alaska Certification #MN00064  
 Arizona Certification #: AZ-0014  
 Arkansas Certification #: 88-0680  
 California Certification #: 01155CA  
 EPA Region 8 Certification #: Pace  
 Florida/NELAP Certification #: E87605  
 Georgia Certification #: 959  
 Idaho Certification #: MN00064  
 Illinois Certification #: 200011  
 Iowa Certification #: 368  
 Kansas Certification #: E-10167  
 Louisiana Certification #: 03086  
 Louisiana Certification #: LA080009  
 Maine Certification #: 2007029  
 Maryland Certification #: 322  
 Michigan DEQ Certification #: 9909  
 Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace  
 Montana Certification #: MT CERT0092  
 Nebraska Certification #: Pace  
 Nevada Certification #: MN\_00064  
 New Jersey Certification #: MN-002  
 New Mexico Certification #: Pace  
 New York Certification #: 11647  
 North Carolina Certification #: 530  
 North Dakota Certification #: R-036  
 North Dakota Certification #: R-036A  
 Ohio VAP Certification #: CL101  
 Oklahoma Certification #: D9921  
 Oklahoma Certification #: 9507  
 Oregon Certification #: MN200001  
 Pennsylvania Certification #: 68-00563  
 Puerto Rico Certification  
 Tennessee Certification #: 02818  
 Texas Certification #: T104704192  
 Washington Certification #: C754  
 Wisconsin Certification #: 999407970

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
 North Carolina Drinking Water Certification #: 37706  
 North Carolina Field Services Certification #: 5342  
 North Carolina Wastewater Certification #: 12  
 South Carolina Certification #: 99006001  
 South Carolina Drinking Water Cert. #: 99006003  
 Virginia Drinking Water Certification #: 00213

Connecticut Certification #: PH-0104  
 Florida/NELAP Certification #: E87627  
 Kentucky UST Certification #: 84  
 Louisiana DHH Drinking Water # LA 100031  
 West Virginia Certification #: 357  
 Virginia/VELAP Certification #: 460144

### Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804  
 Florida/NELAP Certification #: E87648  
 Massachusetts Certification #: M-NC030  
 North Carolina Drinking Water Certification #: 37712  
 North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001  
 Virginia Certification #: 00072  
 West Virginia Certification #: 356  
 Virginia/VELAP Certification #: 460147

## REPORT OF LABORATORY ANALYSIS

### SAMPLE ANALYTE COUNT

Project: GENERAL TIMES

Pace Project No.: 92109233

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory		
92109233001	MW-5I	RSK 175	SK4	3	PASI-M		
		EPA 8260	KJM	63	PASI-C		
		SM 2320B	AES	1	PASI-A		
		SM 3500-Fe D#4	SDH	1	PASI-A		
		SM 4500-S2D	AES	1	PASI-A		
		EPA 300.0	SAJ	1	PASI-A		
		EPA 353.2	DMN	3	PASI-A		
		SM 5310B	SAJ	1	PASI-A		
		92109233002	MW-7I	RSK 175	SK4	3	PASI-M
				EPA 8260	KJM	63	PASI-C
SM 2320B	AES			1	PASI-A		
SM 3500-Fe D#4	SDH			1	PASI-A		
SM 4500-S2D	AES			1	PASI-A		
EPA 300.0	SAJ			1	PASI-A		
EPA 353.2	DMN			3	PASI-A		
SM 5310B	SAJ			1	PASI-A		
92109233003	S-2			EPA 8260	KJM	63	PASI-C
92109233004	S-5			EPA 8260	KJM	63	PASI-C
92109233005	MW8I	EPA 8260	KJM	63	PASI-C		
92109233006	MW3I	EPA 8260	KJM	63	PASI-C		
92109233007	TRIP BLANK	EPA 8260	KJM	63	PASI-C		

### REPORT OF LABORATORY ANALYSIS

## ANALYTICAL RESULTS

Project: GENERAL TIMES

Pace Project No.: 92109233

Sample: MW-5I	Lab ID: 92109233001	Collected: 12/27/11 09:52	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/30/11 13:36	74-84-0	
Ethene	ND ug/L		10.0	1		12/30/11 13:36	74-85-1	
Methane	ND ug/L		10.0	1		12/30/11 13:36	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/04/12 05:43	67-64-1	
Benzene	ND ug/L		1.0	1		01/04/12 05:43	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/04/12 05:43	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/04/12 05:43	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/04/12 05:43	75-27-4	
Bromoform	ND ug/L		1.0	1		01/04/12 05:43	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/04/12 05:43	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/04/12 05:43	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/04/12 05:43	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/04/12 05:43	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/04/12 05:43	75-00-3	
Chloroform	ND ug/L		1.0	1		01/04/12 05:43	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/04/12 05:43	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/04/12 05:43	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/04/12 05:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/04/12 05:43	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/04/12 05:43	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/04/12 05:43	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/04/12 05:43	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 05:43	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 05:43	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 05:43	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/04/12 05:43	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/04/12 05:43	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/04/12 05:43	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/04/12 05:43	75-35-4	
cis-1,2-Dichloroethene	2.8 ug/L		1.0	1		01/04/12 05:43	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 05:43	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 05:43	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/04/12 05:43	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 05:43	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/04/12 05:43	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 05:43	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 05:43	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/04/12 05:43	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/04/12 05:43	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/04/12 05:43	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/04/12 05:43	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/04/12 05:43	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/04/12 05:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/04/12 05:43	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/04/12 05:43	1634-04-4	

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### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GENERAL TIMES  
Pace Project No.: 92109233

Sample: MW-51	Lab ID: 92109233001	Collected: 12/27/11 09:52	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		01/04/12 05:43	91-20-3	
Styrene	ND ug/L		1.0	1		01/04/12 05:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 05:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 05:43	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/04/12 05:43	127-18-4	
Toluene	ND ug/L		1.0	1		01/04/12 05:43	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 05:43	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 05:43	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/04/12 05:43	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/04/12 05:43	79-00-5	
Trichloroethene	<b>96.1</b> ug/L		1.0	1		01/04/12 05:43	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/04/12 05:43	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/04/12 05:43	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/04/12 05:43	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/04/12 05:43	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/04/12 05:43	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/04/12 05:43	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	101 %		70-130	1		01/04/12 05:43	460-00-4	
Dibromofluoromethane (S)	105 %		70-130	1		01/04/12 05:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	94 %		70-130	1		01/04/12 05:43	17060-07-0	
Toluene-d8 (S)	98 %		70-130	1		01/04/12 05:43	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	<b>44.1</b> mg/L		5.0	1		01/04/12 10:30		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		01/05/12 13:42		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/29/11 10:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		01/09/12 17:25	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	<b>0.84</b> mg/L		0.20	1		12/28/11 21:31		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/28/11 21:31		
Nitrogen, NO2 plus NO3	<b>0.84</b> mg/L		0.20	1		12/28/11 21:31		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	<b>1.5</b> mg/L		1.0	1		01/06/12 15:41	7440-44-0	



## ANALYTICAL RESULTS

Project: GENERAL TIMES

Pace Project No.: 92109233

Sample: MW-71	Lab ID: 92109233002	Collected: 12/27/11 11:11	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		10.0	1		12/30/11 13:25	74-84-0	
Ethene	ND ug/L		10.0	1		12/30/11 13:25	74-85-1	
Methane	<b>206</b> ug/L		10.0	1		12/30/11 13:25	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/04/12 06:08	67-64-1	
Benzene	ND ug/L		1.0	1		01/04/12 06:08	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/04/12 06:08	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/04/12 06:08	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/04/12 06:08	75-27-4	
Bromoform	ND ug/L		1.0	1		01/04/12 06:08	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/04/12 06:08	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/04/12 06:08	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/04/12 06:08	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/04/12 06:08	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/04/12 06:08	75-00-3	
Chloroform	ND ug/L		1.0	1		01/04/12 06:08	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/04/12 06:08	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/04/12 06:08	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/04/12 06:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/04/12 06:08	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/04/12 06:08	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/04/12 06:08	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/04/12 06:08	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:08	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:08	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:08	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/04/12 06:08	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/04/12 06:08	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/04/12 06:08	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/04/12 06:08	75-35-4	
cis-1,2-Dichloroethene	<b>2.5</b> ug/L		1.0	1		01/04/12 06:08	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 06:08	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:08	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:08	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:08	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:08	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:08	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:08	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/04/12 06:08	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/04/12 06:08	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/04/12 06:08	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/04/12 06:08	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/04/12 06:08	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/04/12 06:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/04/12 06:08	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/04/12 06:08	1634-04-4	

Date: 01/11/2012 12:51 PM

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: GENERAL TIMES

Pace Project No.: 92109233

Sample: MW-71	Lab ID: 92109233002	Collected: 12/27/11 11:11	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Naphthalene	ND ug/L		1.0	1		01/04/12 06:08	91-20-3	
Styrene	ND ug/L		1.0	1		01/04/12 06:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 06:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 06:08	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/04/12 06:08	127-18-4	
Toluene	ND ug/L		1.0	1		01/04/12 06:08	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 06:08	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 06:08	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/04/12 06:08	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/04/12 06:08	79-00-5	
Trichloroethene	<b>2.3</b> ug/L		1.0	1		01/04/12 06:08	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/04/12 06:08	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/04/12 06:08	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/04/12 06:08	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/04/12 06:08	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/04/12 06:08	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/04/12 06:08	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99 %		70-130	1		01/04/12 06:08	460-00-4	
Dibromofluoromethane (S)	103 %		70-130	1		01/04/12 06:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	94 %		70-130	1		01/04/12 06:08	17060-07-0	
Toluene-d8 (S)	93 %		70-130	1		01/04/12 06:08	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	<b>57.8</b> mg/L		5.0	1		01/04/12 10:30		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		01/05/12 13:44		H1,N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		12/29/11 10:30	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		01/09/12 18:06	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	ND mg/L		0.20	1		12/28/11 21:33		
Nitrogen, Nitrite	ND mg/L		0.10	1		12/28/11 21:33		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		12/28/11 21:33		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	<b>2.4</b> mg/L		1.0	1		01/06/12 15:53	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIMES  
Pace Project No.: 92109233

Sample: S-2	Lab ID: 92109233003	Collected: 12/27/11 10:40	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/04/12 06:33	67-64-1	
Benzene	ND ug/L		1.0	1		01/04/12 06:33	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/04/12 06:33	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/04/12 06:33	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/04/12 06:33	75-27-4	
Bromoform	ND ug/L		1.0	1		01/04/12 06:33	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/04/12 06:33	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/04/12 06:33	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/04/12 06:33	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/04/12 06:33	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/04/12 06:33	75-00-3	
Chloroform	ND ug/L		1.0	1		01/04/12 06:33	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/04/12 06:33	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/04/12 06:33	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/04/12 06:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/04/12 06:33	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/04/12 06:33	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/04/12 06:33	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/04/12 06:33	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:33	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:33	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:33	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/04/12 06:33	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/04/12 06:33	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/04/12 06:33	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/04/12 06:33	75-35-4	
cis-1,2-Dichloroethene	1.7 ug/L		1.0	1		01/04/12 06:33	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 06:33	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:33	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:33	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:33	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:33	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:33	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:33	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/04/12 06:33	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/04/12 06:33	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/04/12 06:33	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/04/12 06:33	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/04/12 06:33	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/04/12 06:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/04/12 06:33	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/04/12 06:33	1634-04-4	
Naphthalene	ND ug/L		1.0	1		01/04/12 06:33	91-20-3	
Styrene	ND ug/L		1.0	1		01/04/12 06:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 06:33	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 06:33	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/04/12 06:33	127-18-4	



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### ANALYTICAL RESULTS

Project: GENERAL TIMES  
 Pace Project No.: 92109233

Sample: S-2	Lab ID: 92109233003	Collected: 12/27/11 10:40	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND	ug/L	1.0	1		01/04/12 06:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/04/12 06:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/04/12 06:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/04/12 06:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/04/12 06:33	79-00-5	
Trichloroethene	13.1	ug/L	1.0	1		01/04/12 06:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/04/12 06:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/04/12 06:33	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/04/12 06:33	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/04/12 06:33	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/04/12 06:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/04/12 06:33	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97 %		70-130	1		01/04/12 06:33	460-00-4	
Dibromofluoromethane (S)	102 %		70-130	1		01/04/12 06:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	95 %		70-130	1		01/04/12 06:33	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		01/04/12 06:33	2037-26-5	



### ANALYTICAL RESULTS

Project: GENERAL TIMES  
 Pace Project No.: 92109233

Sample: S-5	Lab ID: 92109233004	Collected: 12/27/11 12:11	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/04/12 06:59	67-64-1	
Benzene	ND ug/L		1.0	1		01/04/12 06:59	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/04/12 06:59	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/04/12 06:59	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/04/12 06:59	75-27-4	
Bromoform	ND ug/L		1.0	1		01/04/12 06:59	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/04/12 06:59	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/04/12 06:59	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/04/12 06:59	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/04/12 06:59	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/04/12 06:59	75-00-3	
Chloroform	ND ug/L		1.0	1		01/04/12 06:59	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/04/12 06:59	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/04/12 06:59	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/04/12 06:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/04/12 06:59	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/04/12 06:59	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/04/12 06:59	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/04/12 06:59	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:59	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:59	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 06:59	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/04/12 06:59	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/04/12 06:59	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/04/12 06:59	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/04/12 06:59	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 06:59	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 06:59	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:59	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:59	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 06:59	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:59	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:59	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 06:59	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/04/12 06:59	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/04/12 06:59	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/04/12 06:59	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/04/12 06:59	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/04/12 06:59	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/04/12 06:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/04/12 06:59	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/04/12 06:59	1634-04-4	
Naphthalene	ND ug/L		1.0	1		01/04/12 06:59	91-20-3	
Styrene	ND ug/L		1.0	1		01/04/12 06:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 06:59	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 06:59	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/04/12 06:59	127-18-4	

## ANALYTICAL RESULTS

Project: GENERAL TIMES

Pace Project No.: 92109233

Sample: S-5		Lab ID: 92109233004	Collected: 12/27/11 12:11	Received: 12/28/11 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND	ug/L	1.0	1		01/04/12 06:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/04/12 06:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/04/12 06:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/04/12 06:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/04/12 06:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/04/12 06:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/04/12 06:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		01/04/12 06:59	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		01/04/12 06:59	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		01/04/12 06:59	75-01-4	
m&p-Xylene	ND	ug/L	2.0	1		01/04/12 06:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		01/04/12 06:59	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	100 %		70-130	1		01/04/12 06:59	460-00-4	
Dibromofluoromethane (S)	104 %		70-130	1		01/04/12 06:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	96 %		70-130	1		01/04/12 06:59	17060-07-0	
Toluene-d8 (S)	94 %		70-130	1		01/04/12 06:59	2037-26-5	

## ANALYTICAL RESULTS

Project: GENERAL TIMES

Pace Project No.: 92109233

Sample: MW81	Lab ID: 92109233005	Collected: 12/27/11 12:17	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/04/12 07:24	67-64-1	
Benzene	ND ug/L		1.0	1		01/04/12 07:24	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/04/12 07:24	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/04/12 07:24	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/04/12 07:24	75-27-4	
Bromoform	ND ug/L		1.0	1		01/04/12 07:24	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/04/12 07:24	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/04/12 07:24	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/04/12 07:24	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/04/12 07:24	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/04/12 07:24	75-00-3	
Chloroform	ND ug/L		1.0	1		01/04/12 07:24	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/04/12 07:24	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/04/12 07:24	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/04/12 07:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/04/12 07:24	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/04/12 07:24	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/04/12 07:24	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/04/12 07:24	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 07:24	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 07:24	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 07:24	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/04/12 07:24	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/04/12 07:24	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/04/12 07:24	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/04/12 07:24	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 07:24	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 07:24	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 07:24	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/04/12 07:24	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 07:24	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/04/12 07:24	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 07:24	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 07:24	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/04/12 07:24	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/04/12 07:24	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/04/12 07:24	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/04/12 07:24	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/04/12 07:24	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/04/12 07:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/04/12 07:24	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/04/12 07:24	1634-04-4	
Naphthalene	ND ug/L		1.0	1		01/04/12 07:24	91-20-3	
Styrene	ND ug/L		1.0	1		01/04/12 07:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 07:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 07:24	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/04/12 07:24	127-18-4	

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### ANALYTICAL RESULTS

Project: GENERAL TIMES  
 Pace Project No.: 92109233

Sample: MW8I	Lab ID: 92109233005	Collected: 12/27/11 12:17	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND ug/L		1.0	1		01/04/12 07:24	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 07:24	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 07:24	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/04/12 07:24	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/04/12 07:24	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/04/12 07:24	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/04/12 07:24	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/04/12 07:24	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/04/12 07:24	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/04/12 07:24	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/04/12 07:24	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/04/12 07:24	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97 %		70-130	1		01/04/12 07:24	460-00-4	
Dibromofluoromethane (S)	105 %		70-130	1		01/04/12 07:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	98 %		70-130	1		01/04/12 07:24	17060-07-0	
Toluene-d8 (S)	94 %		70-130	1		01/04/12 07:24	2037-26-5	



## ANALYTICAL RESULTS

Project: GENERAL TIMES  
Pace Project No.: 92109233

Sample: MW3I	Lab ID: 92109233006	Collected: 12/27/11 13:09	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/04/12 07:50	67-64-1	
Benzene	ND ug/L		1.0	1		01/04/12 07:50	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/04/12 07:50	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/04/12 07:50	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/04/12 07:50	75-27-4	
Bromoform	ND ug/L		1.0	1		01/04/12 07:50	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/04/12 07:50	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/04/12 07:50	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/04/12 07:50	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/04/12 07:50	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/04/12 07:50	75-00-3	
Chloroform	ND ug/L		1.0	1		01/04/12 07:50	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/04/12 07:50	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/04/12 07:50	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/04/12 07:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/04/12 07:50	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/04/12 07:50	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/04/12 07:50	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/04/12 07:50	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 07:50	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 07:50	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 07:50	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/04/12 07:50	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/04/12 07:50	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/04/12 07:50	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/04/12 07:50	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 07:50	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 07:50	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 07:50	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/04/12 07:50	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 07:50	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/04/12 07:50	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 07:50	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 07:50	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/04/12 07:50	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/04/12 07:50	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/04/12 07:50	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/04/12 07:50	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/04/12 07:50	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/04/12 07:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/04/12 07:50	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/04/12 07:50	1634-04-4	
Naphthalene	ND ug/L		1.0	1		01/04/12 07:50	91-20-3	
Styrene	ND ug/L		1.0	1		01/04/12 07:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 07:50	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 07:50	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/04/12 07:50	127-18-4	

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### ANALYTICAL RESULTS

Project: GENERAL TIMES  
 Pace Project No.: 92109233

Sample: MW3I	Lab ID: 92109233006	Collected: 12/27/11 13:09	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND ug/L		1.0	1		01/04/12 07:50	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 07:50	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 07:50	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/04/12 07:50	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/04/12 07:50	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/04/12 07:50	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/04/12 07:50	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/04/12 07:50	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/04/12 07:50	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/04/12 07:50	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/04/12 07:50	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/04/12 07:50	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98 %		70-130	1		01/04/12 07:50	460-00-4	
Dibromofluoromethane (S)	104 %		70-130	1		01/04/12 07:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	99 %		70-130	1		01/04/12 07:50	17060-07-0	
Toluene-d8 (S)	94 %		70-130	1		01/04/12 07:50	2037-26-5	

## ANALYTICAL RESULTS

Project: GENERAL TIMES  
Pace Project No.: 92109233

Sample: TRIP BLANK		Lab ID: 92109233007	Collected: 12/27/11 00:00	Received: 12/28/11 09:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND ug/L		25.0	1		01/04/12 00:13	67-64-1	pH
Benzene	ND ug/L		1.0	1		01/04/12 00:13	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/04/12 00:13	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/04/12 00:13	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/04/12 00:13	75-27-4	
Bromoform	ND ug/L		1.0	1		01/04/12 00:13	75-25-2	
Bromomethane	ND ug/L		2.0	1		01/04/12 00:13	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		01/04/12 00:13	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		01/04/12 00:13	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/04/12 00:13	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/04/12 00:13	75-00-3	
Chloroform	ND ug/L		1.0	1		01/04/12 00:13	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/04/12 00:13	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/04/12 00:13	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/04/12 00:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		5.0	1		01/04/12 00:13	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/04/12 00:13	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/04/12 00:13	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/04/12 00:13	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 00:13	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 00:13	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/04/12 00:13	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/04/12 00:13	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/04/12 00:13	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/04/12 00:13	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		01/04/12 00:13	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 00:13	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/04/12 00:13	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 00:13	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/04/12 00:13	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/04/12 00:13	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/04/12 00:13	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 00:13	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/04/12 00:13	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		01/04/12 00:13	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		01/04/12 00:13	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/04/12 00:13	87-68-3	
2-Hexanone	ND ug/L		5.0	1		01/04/12 00:13	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		01/04/12 00:13	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		01/04/12 00:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		01/04/12 00:13	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/04/12 00:13	1634-04-4	
Naphthalene	ND ug/L		1.0	1		01/04/12 00:13	91-20-3	
Styrene	ND ug/L		1.0	1		01/04/12 00:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 00:13	630-20-6	
1,1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/04/12 00:13	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/04/12 00:13	127-18-4	



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### ANALYTICAL RESULTS

Project: GENERAL TIMES  
 Pace Project No.: 92109233

Sample: TRIP BLANK	Lab ID: 92109233007	Collected: 12/27/11 00:00	Received: 12/28/11 09:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260							
Toluene	ND ug/L		1.0	1		01/04/12 00:13	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 00:13	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/04/12 00:13	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/04/12 00:13	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/04/12 00:13	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/04/12 00:13	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/04/12 00:13	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		01/04/12 00:13	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		01/04/12 00:13	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		01/04/12 00:13	75-01-4	
m&p-Xylene	ND ug/L		2.0	1		01/04/12 00:13	179601-23-1	
o-Xylene	ND ug/L		1.0	1		01/04/12 00:13	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	101 %		70-130	1		01/04/12 00:13	460-00-4	
Dibromofluoromethane (S)	100 %		70-130	1		01/04/12 00:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	90 %		70-130	1		01/04/12 00:13	17060-07-0	
Toluene-d8 (S)	94 %		70-130	1		01/04/12 00:13	2037-26-5	

### QUALITY CONTROL DATA

Project: GENERAL TIMES  
Pace Project No.: 92109233

QC Batch: AIR/13937 Analysis Method: RSK 175  
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE  
Associated Lab Samples: 92109233001, 92109233002

METHOD BLANK: 1122455 Matrix: Water

Associated Lab Samples: 92109233001, 92109233002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	10.0	12/30/11 12:51	
Ethene	ug/L	ND	10.0	12/30/11 12:51	
Methane	ug/L	ND	10.0	12/30/11 12:51	

LABORATORY CONTROL SAMPLE & LCSD: 1122456 1122457

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	119	116	105	102	70-130	3	30	
Ethene	ug/L	106	110	109	104	103	70-130	1	30	
Methane	ug/L	60.7	62.5	64.1	103	106	70-130	3	30	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1123035 1123036

Parameter	Units	60112887002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Ethane	ug/L	ND	98.9	98.9	116	105	118	107	30-150	10	
Ethene	ug/L	ND	92.3	92.3	109	101	115	106	30-150	8	
Methane	ug/L	ND	52.7	52.7	64.8	62.2	114	109	30-150	4	

SAMPLE DUPLICATE: 1123041

Parameter	Units	92109294001 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIMES

Pace Project No.: 92109233

QC Batch: MSV/17814 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
 Associated Lab Samples: 92109233001, 92109233002, 92109233003, 92109233004, 92109233005, 92109233006, 92109233007

METHOD BLANK: 706237 Matrix: Water  
 Associated Lab Samples: 92109233001, 92109233002, 92109233003, 92109233004, 92109233005, 92109233006, 92109233007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/03/12 23:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/03/12 23:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/03/12 23:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/03/12 23:22	
1,1-Dichloroethane	ug/L	ND	1.0	01/03/12 23:22	
1,1-Dichloroethene	ug/L	ND	1.0	01/03/12 23:22	
1,1-Dichloropropene	ug/L	ND	1.0	01/03/12 23:22	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/03/12 23:22	
1,2,3-Trichloropropane	ug/L	ND	1.0	01/03/12 23:22	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/03/12 23:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/03/12 23:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/03/12 23:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/03/12 23:22	
1,2-Dichloroethane	ug/L	ND	1.0	01/03/12 23:22	
1,2-Dichloropropane	ug/L	ND	1.0	01/03/12 23:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/03/12 23:22	
1,3-Dichloropropane	ug/L	ND	1.0	01/03/12 23:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/03/12 23:22	
2,2-Dichloropropane	ug/L	ND	1.0	01/03/12 23:22	
2-Butanone (MEK)	ug/L	ND	5.0	01/03/12 23:22	
2-Chlorotoluene	ug/L	ND	1.0	01/03/12 23:22	
2-Hexanone	ug/L	ND	5.0	01/03/12 23:22	
4-Chlorotoluene	ug/L	ND	1.0	01/03/12 23:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	01/03/12 23:22	
Acetone	ug/L	ND	25.0	01/03/12 23:22	
Benzene	ug/L	ND	1.0	01/03/12 23:22	
Bromobenzene	ug/L	ND	1.0	01/03/12 23:22	
Bromochloromethane	ug/L	ND	1.0	01/03/12 23:22	
Bromodichloromethane	ug/L	ND	1.0	01/03/12 23:22	
Bromoform	ug/L	ND	1.0	01/03/12 23:22	
Bromomethane	ug/L	ND	2.0	01/03/12 23:22	
Carbon tetrachloride	ug/L	ND	1.0	01/03/12 23:22	
Chlorobenzene	ug/L	ND	1.0	01/03/12 23:22	
Chloroethane	ug/L	ND	1.0	01/03/12 23:22	
Chloroform	ug/L	ND	1.0	01/03/12 23:22	
Chloromethane	ug/L	ND	1.0	01/03/12 23:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/03/12 23:22	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/03/12 23:22	
Dibromochloromethane	ug/L	ND	1.0	01/03/12 23:22	
Dibromomethane	ug/L	ND	1.0	01/03/12 23:22	
Dichlorodifluoromethane	ug/L	ND	1.0	01/03/12 23:22	
Diisopropyl ether	ug/L	ND	1.0	01/03/12 23:22	
Ethylbenzene	ug/L	ND	1.0	01/03/12 23:22	

### QUALITY CONTROL DATA

Project: GENERAL TIMES

Pace Project No.: 92109233

METHOD BLANK: 706237

Matrix: Water

Associated Lab Samples: 92109233001, 92109233002, 92109233003, 92109233004, 92109233005, 92109233006, 92109233007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/03/12 23:22	
m&p-Xylene	ug/L	ND	2.0	01/03/12 23:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/03/12 23:22	
Methylene Chloride	ug/L	ND	2.0	01/03/12 23:22	
Naphthalene	ug/L	ND	1.0	01/03/12 23:22	
o-Xylene	ug/L	ND	1.0	01/03/12 23:22	
p-Isopropyltoluene	ug/L	ND	1.0	01/03/12 23:22	
Styrene	ug/L	ND	1.0	01/03/12 23:22	
Tetrachloroethene	ug/L	ND	1.0	01/03/12 23:22	
Toluene	ug/L	ND	1.0	01/03/12 23:22	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/03/12 23:22	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/03/12 23:22	
Trichloroethene	ug/L	ND	1.0	01/03/12 23:22	
Trichlorofluoromethane	ug/L	ND	1.0	01/03/12 23:22	
Vinyl acetate	ug/L	ND	2.0	01/03/12 23:22	
Vinyl chloride	ug/L	ND	1.0	01/03/12 23:22	
1,2-Dichloroethane-d4 (S)	%	89	70-130	01/03/12 23:22	
4-Bromofluorobenzene (S)	%	99	70-130	01/03/12 23:22	
Dibromofluoromethane (S)	%	102	70-130	01/03/12 23:22	
Toluene-d8 (S)	%	92	70-130	01/03/12 23:22	

LABORATORY CONTROL SAMPLE: 706238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.9	106	70-130	
1,1,1-Trichloroethane	ug/L	50	45.8	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.3	97	70-130	
1,1,2-Trichloroethane	ug/L	50	51.8	104	70-130	
1,1-Dichloroethane	ug/L	50	49.8	100	70-130	
1,1-Dichloroethene	ug/L	50	47.8	96	70-132	
1,1-Dichloropropene	ug/L	50	48.3	97	70-130	
1,2,3-Trichlorobenzene	ug/L	50	50.2	100	70-135	
1,2,3-Trichloropropane	ug/L	50	44.7	89	70-130	
1,2,4-Trichlorobenzene	ug/L	50	51.4	103	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	44.2	88	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.8	102	70-130	
1,2-Dichloroethane	ug/L	50	45.9	92	70-130	
1,2-Dichloropropane	ug/L	50	54.1	108	70-130	
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,3-Dichloropropane	ug/L	50	48.4	97	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
2,2-Dichloropropane	ug/L	50	40.7	81	58-145	
2-Butanone (MEK)	ug/L	100	87.2	87	70-145	
2-Chlorotoluene	ug/L	50	50.0	100	70-130	

## QUALITY CONTROL DATA

Project: GENERAL TIMES

Pace Project No.: 92109233

LABORATORY CONTROL SAMPLE: 706238

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	94.7	95	70-144	
4-Chlorotoluene	ug/L	50	50.5	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	98.1	98	70-140	
Acetone	ug/L	100	88.7	89	50-175	
Benzene	ug/L	50	53.2	106	70-130	
Bromobenzene	ug/L	50	46.2	92	70-130	
Bromochloromethane	ug/L	50	57.6	115	70-130	
Bromodichloromethane	ug/L	50	50.8	102	70-130	
Bromoform	ug/L	50	48.2	96	70-130	
Bromomethane	ug/L	50	55.5	111	54-130	
Carbon tetrachloride	ug/L	50	54.3	109	70-132	
Chlorobenzene	ug/L	50	52.4	105	70-130	
Chloroethane	ug/L	50	55.5	111	64-134	
Chloroform	ug/L	50	49.9	100	70-130	
Chloromethane	ug/L	50	48.4	97	64-130	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	70-131	
cis-1,3-Dichloropropene	ug/L	50	54.3	109	70-130	
Dibromochloromethane	ug/L	50	51.8	104	70-130	
Dibromomethane	ug/L	50	54.3	109	70-131	
Dichlorodifluoromethane	ug/L	50	41.7	83	56-130	
Diisopropyl ether	ug/L	50	48.0	96	70-130	
Ethylbenzene	ug/L	50	50.2	100	70-130	
Hexachloro-1,3-butadiene	ug/L	50	50.6	101	70-130	
m&p-Xylene	ug/L	100	99.9	100	70-130	
Methyl-tert-butyl ether	ug/L	50	47.6	95	70-130	
Methylene Chloride	ug/L	50	51.2	102	63-130	
Naphthalene	ug/L	50	54.6	109	70-138	
o-Xylene	ug/L	50	50.3	101	70-130	
p-Isopropyltoluene	ug/L	50	50.8	102	70-130	
Styrene	ug/L	50	52.4	105	70-130	
Tetrachloroethene	ug/L	50	50.7	101	70-130	
Toluene	ug/L	50	54.0	108	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.0	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	52.8	106	70-132	
Trichloroethene	ug/L	50	54.2	108	70-130	
Trichlorofluoromethane	ug/L	50	44.2	88	62-133	
Vinyl acetate	ug/L	100	78.9	79	66-157	
Vinyl chloride	ug/L	50	55.6	111	69-130	
1,2-Dichloroethane-d4 (S)	%			82	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			93	70-130	
Toluene-d8 (S)	%			103	70-130	



### QUALITY CONTROL DATA

Project: GENERAL TIMES  
Pace Project No.: 92109233

Parameter	92109430005		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
	Units	Result	Spike Conc.	MS Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec					
1,1-Dichloroethene	ug/L	ND	50	50	54.4	53.8	109	108	70-166	1			
Benzene	ug/L	ND	50	50	49.7	48.9	99	98	70-148	2			
Chlorobenzene	ug/L	ND	50	50	53.9	52.9	108	106	70-146	2			
Toluene	ug/L	ND	50	50	52.0	50.8	103	101	70-155	2			
Trichloroethene	ug/L	ND	50	50	57.1	56.3	114	113	69-151	1			
1,2-Dichloroethane-d4 (S)	%						103	103	70-130				
4-Bromofluorobenzene (S)	%						101	100	70-130				
Dibromofluoromethane (S)	%						109	109	70-130				
Toluene-d8 (S)	%						96	97	70-130				



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 2225 Riverside Dr.  
 Asheville, NC 28804  
 (828)254-7176

Pace Analytical Services, Inc.  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

### QUALITY CONTROL DATA

Project: GENERAL TIMES  
 Pace Project No.: 92109233

QC Batch: WET/19200 Analysis Method: SM 2320B  
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
 Associated Lab Samples: 92109233001, 92109233002

METHOD BLANK: 706340 Matrix: Water  
 Associated Lab Samples: 92109233001, 92109233002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	01/04/12 10:30	

LABORATORY CONTROL SAMPLE: 706341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.3	95	90-110	

SAMPLE DUPLICATE: 706342

Parameter	Units	92109240001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	44.1	44.1	0	



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**QUALITY CONTROL DATA**

Project: GENERAL TIMES  
 Pace Project No.: 92109233

QC Batch: WET/19226 Analysis Method: SM 3500-Fe D#4  
 QC Batch Method: SM 3500-Fe D#4 Analysis Description: Iron, Ferrous  
 Associated Lab Samples: 92109233001, 92109233002

METHOD BLANK: 706971 Matrix: Water  
 Associated Lab Samples: 92109233001, 92109233002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.50	01/05/12 13:40	N2

LABORATORY CONTROL SAMPLE: 706972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.5	1.6	104	90-110	N2

SAMPLE DUPLICATE: 706973

Parameter	Units	92109233001 Result	Dup Result	RPD	Qualifiers
Iron, Ferrous	mg/L	ND	ND		H1,N2



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### QUALITY CONTROL DATA

Project: GENERAL TIMES  
 Pace Project No.: 92109233

QC Batch: WET/19164 Analysis Method: SM 4500-S2D  
 QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water  
 Associated Lab Samples: 92109233001, 92109233002

METHOD BLANK: 705232 Matrix: Water  
 Associated Lab Samples: 92109233001, 92109233002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	12/29/11 10:30	

LABORATORY CONTROL SAMPLE: 705233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.52	105	90-110	

MATRIX SPIKE SAMPLE: 705234

Parameter	Units	92109139005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.44	87	75-125	

SAMPLE DUPLICATE: 705235

Parameter	Units	92109139005 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		



**QUALITY CONTROL DATA**

Project: GENERAL TIMES  
 Pace Project No.: 92109233

QC Batch: WETA/11285 Analysis Method: EPA 300.0  
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
 Associated Lab Samples: 92109233001, 92109233002

METHOD BLANK: 707201 Matrix: Water  
 Associated Lab Samples: 92109233001, 92109233002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	01/09/12 15:23	

LABORATORY CONTROL SAMPLE: 707202

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.7	98	90-110	

MATRIX SPIKE SAMPLE: 707203

Parameter	Units	92109131002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	20.2	92	90-110	

MATRIX SPIKE SAMPLE: 707205

Parameter	Units	92109318004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	25.8	20	48.2	112	90-110	M1

SAMPLE DUPLICATE: 707204

Parameter	Units	92109131002 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

SAMPLE DUPLICATE: 707206

Parameter	Units	92109318004 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	25.8	25.9	0	

### QUALITY CONTROL DATA

Project: GENERAL TIMES

Pace Project No.: 92109233

QC Batch: WETA/11255

Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2

Analysis Description: 353.2 Nitrate + Nitrite, Unpres.

Associated Lab Samples: 92109233001, 92109233002

METHOD BLANK: 705115

Matrix: Water

Associated Lab Samples: 92109233001, 92109233002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.20	12/28/11 21:23	
Nitrogen, Nitrite	mg/L	ND	0.10	12/28/11 21:23	
Nitrogen, NO2 plus NO3	mg/L	ND	0.20	12/28/11 21:23	

LABORATORY CONTROL SAMPLE: 705116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	5.2	103	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	107	90-110	
Nitrogen, NO2 plus NO3	mg/L	5	5.2	103	90-110	

MATRIX SPIKE SAMPLE: 705117

Parameter	Units	92109180002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5.1	5	10.8	114	90-110	M1
Nitrogen, Nitrite	mg/L	0.16	1	1.4	125	90-110	M1
Nitrogen, NO2 plus NO3	mg/L	5.3	5	10.8	111	90-110	M1

SAMPLE DUPLICATE: 705118

Parameter	Units	92109180002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	5.1	5.3	3	
Nitrogen, Nitrite	mg/L	0.16	0.18	16	
Nitrogen, NO2 plus NO3	mg/L	5.3	5.3	0	

### QUALITY CONTROL DATA

Project: GENERAL TIMES  
Pace Project No.: 92109233

QC Batch: WETA/11284 Analysis Method: SM 5310B  
QC Batch Method: SM 5310B Analysis Description: 5310B TOC  
Associated Lab Samples: 92109233001, 92109233002

METHOD BLANK: 707192 Matrix: Water  
Associated Lab Samples: 92109233001, 92109233002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	01/06/12 13:46	

LABORATORY CONTROL SAMPLE: 707193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	23.7	95	90-110	

MATRIX SPIKE SAMPLE: 707194

Parameter	Units	92109098002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.9	25	24.5	90	75-125	

MATRIX SPIKE SAMPLE: 707196

Parameter	Units	92109585006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.9	25	24.9	92	75-125	

SAMPLE DUPLICATE: 707195

Parameter	Units	92109131001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	42.8	42.9	0	

SAMPLE DUPLICATE: 707197

Parameter	Units	92109585007 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	2.4	2.4	0	



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## QUALIFIERS

Project: GENERAL TIMES  
Pace Project No.: 92109233

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

### LABORATORIES

PASI-A Pace Analytical Services - Asheville  
PASI-C Pace Analytical Services - Charlotte  
PASI-M Pace Analytical Services - Minneapolis

### ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
N2 The lab does not hold TNI accreditation for this parameter.  
pH Post-analysis pH measurement indicates insufficient VOA sample preservation.





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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: GENERAL TIMES  
 Pace Project No.: 92109233

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92109233001	MW-5I	RSK 175	AIR/13937		
92109233002	MW-7I	RSK 175	AIR/13937		
92109233001	MW-5I	EPA 8260	MSV/17814		
92109233002	MW-7I	EPA 8260	MSV/17814		
92109233003	S-2	EPA 8260	MSV/17814		
92109233004	S-5	EPA 8260	MSV/17814		
92109233005	MW8I	EPA 8260	MSV/17814		
92109233006	MW3I	EPA 8260	MSV/17814		
92109233007	TRIP BLANK	EPA 8260	MSV/17814		
92109233001	MW-5I	SM 2320B	WET/19200		
92109233002	MW-7I	SM 2320B	WET/19200		
92109233001	MW-5I	SM 3500-Fe D#4	WET/19226		
92109233002	MW-7I	SM 3500-Fe D#4	WET/19226		
92109233001	MW-5I	SM 4500-S2D	WET/19164		
92109233002	MW-7I	SM 4500-S2D	WET/19164		
92109233001	MW-5I	EPA 300.0	WETA/11285		
92109233002	MW-7I	EPA 300.0	WETA/11285		
92109233001	MW-5I	EPA 353.2	WETA/11255		
92109233002	MW-7I	EPA 353.2	WETA/11255		
92109233001	MW-5I	SM 5310B	WETA/11284		
92109233002	MW-7I	SM 5310B	WETA/11284		



Microseeps, Inc  
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January 10, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92109233**

*Microseeps Workorder: 3762*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, December 29, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl 01/10/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 9

Report ID: 3762 - 168247

Page 1 of 6

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## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
<b>Accreditation ID:</b>	02-00538
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories
<b>Accreditation ID:</b>	E87832
<b>Scope:</b>	Clean Water Act (CWA)                      Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
<b>Accreditation ID:</b>	89009003
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality
<b>Accreditation ID:</b>	04104
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection
<b>Accreditation ID:</b>	PA026
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center
<b>Accreditation ID:</b>	11815
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health
<b>Accreditation ID:</b>	PH-0263
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality
<b>Accreditation ID:</b>	T104704453-09-TX
<b>Scope:</b>	Non-Potable Water
<b>Accreditor:</b>	State of New Hampshire
<b>Accreditation ID:</b>	299409
<b>Scope:</b>	Non-potable water
<b>Accreditor:</b>	State of Georgia
<b>Accreditation ID:</b>	Chapter 391-3-26
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

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### SAMPLE SUMMARY

Workorder: 3762 GENERAL TIME / 92109233

Lab ID	Sample ID	Matrix	Date Collected	Date Received
37620001	MW-5I	Water	12/27/2011 09:52	12/29/2011 11:00
37620002	MW-7I	Water	12/27/2011 11:11	12/29/2011 11:00

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**ANALYTICAL RESULTS**

Workorder: 3762 GENERAL TIME / 92109233

Lab ID: 37620001 Date Received: 12/29/2011 11:00 Matrix: Water  
 Sample ID: MW-5I Date Collected: 12/27/2011 09:52

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	22mg/l	5.0	0.070	1		1/5/2012 12:21	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.13mg/l	0.10	0.010	1		1/6/2012 04:00	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/6/2012 04:00	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/6/2012 04:00	KB		
Butyric Acid	<0.050mg/l	0.050	0.0040	1		1/6/2012 04:00	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/6/2012 04:00	KB		

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### ANALYTICAL RESULTS

Workorder: 3762 GENERAL TIME / 92109233

Lab ID: 37620002 Date Received: 12/29/2011 11:00 Matrix: Water  
 Sample ID: MW-71 Date Collected: 12/27/2011 11:11

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	52mg/l	5.0	0.070	1		1/5/2012 12:32	BW		
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.19mg/l	0.10	0.010	1		1/6/2012 04:42	KB		
Acetic Acid	<0.070mg/l	0.070	0.0060	1		1/6/2012 04:42	KB		
Propionic Acid	<0.050mg/l	0.050	0.0070	1		1/6/2012 04:42	KB		
Butyric Acid	0.072mg/l	0.050	0.0040	1		1/6/2012 04:42	KB		
Pyruvic Acid	<0.15mg/l	0.15	0.033	1		1/6/2012 04:42	KB		

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 3762 GENERAL TIME / 92109233

---

### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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3762

# Chain of Custody



**Workorder:** 92109233      **Workorder Name:** GENERAL TIMES      **Results Requested** 1/12/2012  
**Report / Invoice To**      **Subcontract To**  
 Bonnie McKee  
 Pace Analytical Charlotte  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 Phone (704)875-9092  
 Email: bonnie.mckee@pacelabs.com

Micro soaps      P.O. CHS 10166

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Reserved Containers			Requested Analysis	LAB USE ONLY
					Other	Impres			
1	MW-51	12/27/2011 09:52	92109233001	Water	2	2			
2	MW-71	12/27/2011 11:11	92109233002	Water	2	2			
3									
4									
5									

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	Bonnie McKee Pace	12/28/11 1730	Fedex	12/28/11 1730	
2	Fedex		itlawson	12/29/11 1100	20C
3					
4					
5					



NON-CONFORMANCE FORM

Microseeps Project Number: 3762

Date: 12/29/11 Time of Receipt: 1100 Receiver: LY

Client: Pace-Huntersville

REASON FOR NON-CONFORMANCE:

Vials for volatile fatty acids  
AM23B were received non-pres.

ACTION TAKEN:

Client name: Bonnie McKee Date: 12/30 Time: \_\_\_\_\_

per conversation with client on  
12/28 - non preserved vials will be  
correctly preserved at lab prior  
to analysis.

Customer Service Initials: JH

Date: 12/30

# Cooler Receipt Form

Client Name: Pace Project: General Times Lab Work Order: 3762

**A. Shipping/Container Information** (circle appropriate response)

Courier: FedEx UPS USPS Client Other: \_\_\_\_\_ Air bill Present: Yes No

Tracking Number: 472475119743

Custody Seal on Cooler/Box Present: Yes No Seals Intact: Yes No

Cooler/Box Packing Material: Bubble Wrap Absorbent Foam Other: \_\_\_\_\_

Type of Ice: Wet Blue None Ice Intact: Yes Melted

Cooler Temperature: 1.8°C Radiation Screened: Yes No Chain of Custody Present: Yes No

Comments: \_\_\_\_\_

**B. Laboratory Assignment/Log-in** (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC		✓		
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)		✓		
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments: \_\_\_\_\_

Cooler contents examined/received by: HLV Date: 12-29-11

Project Manager Review: HLV Date: 12/30/11



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January 10, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

**RE: GENERAL TIMES / 92109233**

*Microseeps Workorder: 3754*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, December 28, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl      01/10/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 7

Report ID: 3754 - 168513

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## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories
<b>Accreditation ID:</b>	02-00538
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories
<b>Accreditation ID:</b>	E87832
<b>Scope:</b>	Clean Water Act (CWA)                      Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification
<b>Accreditation ID:</b>	89009003
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality
<b>Accreditation ID:</b>	04104
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection
<b>Accreditation ID:</b>	PA026
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center
<b>Accreditation ID:</b>	11815
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health
<b>Accreditation ID:</b>	PH-0263
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality
<b>Accreditation ID:</b>	T104704453-09-TX
<b>Scope:</b>	Non-Potable Water
<b>Accreditor:</b>	State of New Hampshire
<b>Accreditation ID:</b>	299409
<b>Scope:</b>	Non-potable water
<b>Accreditor:</b>	State of Georgia
<b>Accreditation ID:</b>	Chapter 391-3-26
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).

### CERTIFICATE OF ANALYSIS

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Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

### SAMPLE SUMMARY

Workorder: 3754 GENERAL TIMES / 92109233

Lab ID	Sample ID	Matrix	Date Collected	Date Received
37540001	MW-5I	Bubble Strip	12/27/2011 09:52	12/28/2011 10:30
37540002	MW-7I	Bubble Strip	12/27/2011 11:11	12/28/2011 10:30

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## PROJECT SUMMARY

Workorder: 3754 GENERAL TIMES / 92109233

---

### Sample Comments

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Lab ID: 37540001

Sample ID: MW-5I

Sample Type: N

Sample headspace vial not sufficiently pressurized for analysis. Vial pressurized with an equal volume of UHP Nitrogen and analyzed. Results reported at a dilution.

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## ANALYTICAL RESULTS

Workorder: 3754 GENERAL TIMES / 92109233

Lab ID: 37540001 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW-5I Date Collected: 12/27/2011 09:52

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX		Analytical Method: AM20GAX							
Hydrogen	1.8nM	1.2	0.50	2		1/8/2012 09:30	GT		

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### ANALYTICAL RESULTS

Workorder: 3754 GENERAL TIMES / 92109233

Lab ID: 37540002 Date Received: 12/28/2011 10:30 Matrix: Bubble Strip  
Sample ID: MW-71 Date Collected: 12/27/2011 11:11

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
<b>RISK - MICR</b>										
Analysis Desc: AM20GAX			Analytical Method: AM20GAX							
Hydrogen	1.3nM		0.60	0.25	1		1/8/2012 09:45	GT		

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 3754 GENERAL TIMES / 92109233

---

### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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3754

# Chain of Custody



Workorder: 92109233      Workorder Name: GENERAL TIMES      Results Requested 1/12/2012

Report/Invoice To: Subcontract To: Requested Analysis

Bonnie McKee  
Pace Analytical Charlotte  
9800 Kinney Ave. Suite 100  
Huntersville, NC 28078  
Phone (704)875-9092  
Email: bonnie.mckee@pacelabs.com

*Microscope*  
P.O. *CHS10912*

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers		
					HCL	Unpreserved	Other
1	MW-5I	12/27/2011 09:52	92109233001	Water			
2	MW-7I	12/27/2011 11:11	92109233002	Water			
3							
4							
5							

*1 dissolved hydrogen*

LAB USE ONLY

Transfers      Released By      Date/Time      Received By      Date/Time      Comments

1			<i>H. Rautberg</i>	12/28/11 10:30	
2					
3					
4					
5					

**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information: Company: <u>Halley &amp; Aldrich</u> Address: <u>33 Market Plaza Dr</u> <u>Greenville, SC 29607</u> Email To: <u>bbarnes@halleyaldrich.com</u> Phone: <u>864-527-0740</u> Fax: Requested Due Date/TAT: _____	<b>Section B</b> Required Project Information: Report To: <u>Britney Barnes</u> Copy To: _____ Purchase Order No.: _____ Project Name: <u>General Time</u> Project Number: <u>38111-003</u>	<b>Section C</b> Invoice Information: Attention: _____ Company Name: <u>Halley &amp; Aldrich</u> Address: _____ Pace Quote Reference: _____ Pace Project Manager: _____ Pace Profile #: _____	<b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____
Requested Analysis Filtered (Y/N)		Site Location STATE: <u>GA</u>	

ITEM #	Section D Required Client Information  Matrix Codes Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	Matrix ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					DATE	TIME			DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl				
1		MW 5 I	WT 6	G	02/21/11	9:52	179								X		001	
2		MW 7 I	WT 6	G	02/21/11	11:11	179								X		002	
3		S-2	WT 6	G	02/21/11	10:46	3								X		003	
4		S-5	WT 6	G	02/21/11	12:11	3								X		004	
5		MW 8 I	WT 6	G	02/21/11	12:17	3								X		005	
6		MW 3 I	WT 6	G	02/21/11	13:09	3								X		006	
7		Trip Blank					2										007	
8																		
9																		
10																		
11																		
12																		

**ADDITIONAL COMMENTS**  
Shane Barnes is contractor 02/21/11 15:00 Justin White Pace 02-28-11 9:45 36

**REINQUISHED BY / AFFILIATION** \_\_\_\_\_ **DATE** \_\_\_\_\_ **TIME** \_\_\_\_\_

**ACCEPTED BY / AFFILIATION** \_\_\_\_\_ **DATE** \_\_\_\_\_ **TIME** \_\_\_\_\_

**TEMPERATURE**  
Temp in °C \_\_\_\_\_  
Received on Ice (Y/N) \_\_\_\_\_  
Custody Sealed Cooler (Y/N) \_\_\_\_\_  
Samples Intact (Y/N) \_\_\_\_\_

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: Shane Barnes  
SIGNATURE of SAMPLER: [Signature]  
DATE Signed (MM/DD/YY): 12/27/11

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.  
F-ALL-Q-020rev.07, 15-May-2007



Document Name: **Sample Condition Upon Receipt (SCUR)**

Document Revised: July 29, 2011  
Page 1 of 2

Document Number:  
**F-CHR-CS-03-rev.05**

Issuing Authority:  
Pace Huntersville Quality Office

Client Name: Haley + Aldrich Project # 92109233

Where Received:  Huntersville  Asheville  Eden

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Optional  
Proj. Due Date:  
Proj. Name:

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Temp Correction Factor Add / Subtract 0 °C

Corrected Cooler Temp.: 3.6 °C Biological Tissue is Frozen: Yes No N/A  
Temp should be above freezing to 6°C

Date and Initials of person examining contents: JMM 12-28-11

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <i>all samples for MW-SI + MW-TI have diff. times. S-5 have 12:12 on sample labels.</i>
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15. <i>methane vials have no headspace.</i>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: blm Date: 12/28/11 SRF Review: blm Date: 12/29/11

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

March 07, 2012

Ms. Britney Barnes  
Haley & Aldrich  
33 Market Point Drive  
Greenville, SC 29607

RE: Project: GENERAL TIME  
Pace Project No.: 92112607

Dear Ms. Barnes:

Enclosed are the analytical results for sample(s) received by the laboratory on February 22, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,



Bonnie McKee

bonnie.mckee@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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**Pace Analytical Services, Inc.**  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

## CERTIFICATIONS

Project: GENERAL TIME  
 Pace Project No.: 92112607

### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414  
 A2LA Certification #: 2926.01  
 Alaska Certification #: UST-078  
 Alaska Certification #MN00064  
 Arizona Certification #: AZ-0014  
 Arkansas Certification #: 88-0680  
 California Certification #: 01155CA  
 EPA Region 8 Certification #: Pace  
 Florida/NELAP Certification #: E87605  
 Georgia Certification #: 959  
 Idaho Certification #: MN00064  
 Illinois Certification #: 200011  
 Iowa Certification #: 368  
 Kansas Certification #: E-10167  
 Louisiana Certification #: 03086  
 Louisiana Certification #: LA080009  
 Maine Certification #: 2007029  
 Maryland Certification #: 322  
 Michigan DEQ Certification #: 9909  
 Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace  
 Montana Certification #: MT CERT0092  
 Nebraska Certification #: Pace  
 Nevada Certification #: MN\_00064  
 New Jersey Certification #: MN-002  
 New Mexico Certification #: Pace  
 New York Certification #: 11647  
 North Carolina Certification #: 530  
 North Dakota Certification #: R-036  
 North Dakota Certification #: R-036A  
 Ohio VAP Certification #: CL101  
 Oklahoma Certification #: D9921  
 Oklahoma Certification #: 9507  
 Oregon Certification #: MN200001  
 Pennsylvania Certification #: 68-00563  
 Puerto Rico Certification  
 Tennessee Certification #: 02818  
 Texas Certification #: T104704192  
 Washington Certification #: C754  
 Wisconsin Certification #: 999407970

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
 North Carolina Drinking Water Certification #: 37706  
 North Carolina Field Services Certification #: 5342  
 North Carolina Wastewater Certification #: 12  
 South Carolina Certification #: 99006001  
 South Carolina Drinking Water Cert. #: 99006003  
 Virginia Drinking Water Certification #: 00213

Connecticut Certification #: PH-0104  
 Florida/NELAP Certification #: E87627  
 Kentucky UST Certification #: 84  
 Louisiana DHH Drinking Water # LA 100031  
 West Virginia Certification #: 357  
 Virginia/VELAP Certification #: 460144

### Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804  
 Florida/NELAP Certification #: E87648  
 Massachusetts Certification #: M-NC030  
 North Carolina Drinking Water Certification #: 37712  
 North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001  
 Virginia Certification #: 00072  
 West Virginia Certification #: 356  
 Virginia/VELAP Certification #: 460147

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 Huntersville, NC 28078  
 (704)875-9092

### SAMPLE ANALYTE COUNT

Project: GENERAL TIME  
 Pace Project No.: 92112607

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92112607001	MW-11-S	RSK 175	SK4	3	PASI-M
		EPA 8260	MCK	9	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		EPA 353.2	EWS	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		92112607002	MW-11-I	RSK 175	SK4
EPA 8260	MCK			9	PASI-C
SM 2320B	AES			1	PASI-A
SM 3500-Fe D#4	SDH			1	PASI-A
SM 4500-S2D	AES			1	PASI-A
EPA 300.0	SAE			1	PASI-A
EPA 353.2	EWS			3	PASI-A
SM 5310B	SAE			1	PASI-A
92112607003	MW-2-S			RSK 175	SK4
		EPA 8260	MCK	9	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		EPA 353.2	EWS	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		92112607004	MW-2-I	RSK 175	SK4
EPA 8260	MCK			9	PASI-C
SM 2320B	AES			1	PASI-A
SM 3500-Fe D#4	SDH			1	PASI-A
SM 4500-S2D	AES			1	PASI-A
EPA 300.0	SAE			1	PASI-A
EPA 353.2	EWS			3	PASI-A
SM 5310B	SAE			1	PASI-A
92112607005	MW-2-D			RSK 175	SK4
		EPA 8260	MCK	9	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A

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### SAMPLE ANALYTE COUNT

Project: GENERAL TIME  
Pace Project No.: 92112607

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92112607006	MW-9-I	EPA 300.0	SAE	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	MCK	9	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
92112607007	MW-9-D	EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	MCK	9	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
92112607008	MW-7-I	SM 5310B	SAE	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	MCK	9	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAE	1	PASI-A
92112607009	MW-5-I	RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	9	PASI-C
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		RSK 175	SK4	3	PASI-M
92112607010	MW-11-D	EPA 8260	MCK	9	PASI-C

### REPORT OF LABORATORY ANALYSIS





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### SAMPLE ANALYTE COUNT

Project: GENERAL TIME

Pace Project No.: 92112607

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 2320B	AES	1	PASI-A
		SM 3500-Fe D#4	SDH	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 300.0	SAE	1	PASI-A
		EPA 353.2	EWS	3	PASI-A
		SM 5310B	SAE	1	PASI-A
92112607011	TRIP BLANK	EPA 8260	KJM	9	PASI-C
92112607012	RW-1	EPA 8260	KJM	9	PASI-C

### REPORT OF LABORATORY ANALYSIS

## ANALYTICAL RESULTS

Project: GENERAL TIME  
Pace Project No.: 92112607

Sample: MW-11-S	Lab ID: 92112607001	Collected: 02/20/12 11:12	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>								
Analytical Method: RSK 175								
Ethane	ND ug/L		12.4	1		02/24/12 13:20	74-84-0	
Ethene	ND ug/L		12.4	1		02/24/12 13:20	74-85-1	
Methane	ND ug/L		6.6	1		02/24/12 13:20	74-82-8	
<b>8260 MSV Low Level</b>								
Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	<b>50.9</b> ug/L		1.0	1		03/01/12 16:04	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 16:04	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 16:04	127-18-4	
Trichloroethene	<b>183</b> ug/L		1.0	1		03/01/12 16:04	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 16:04	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	102 %		70-130	1		03/01/12 16:04	460-00-4	
Dibromofluoromethane (S)	104 %		70-130	1		03/01/12 16:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	106 %		70-130	1		03/01/12 16:04	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		03/01/12 16:04	2037-26-5	
<b>2320B Alkalinity</b>								
Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	<b>9.5</b> mg/L		5.0	1		02/24/12 12:20		
<b>Iron, Ferrous</b>								
Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND mg/L		0.50	1		02/23/12 09:02		N2
<b>4500S2D Sulfide Water</b>								
Analytical Method: SM 4500-S2D								
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>								
Analytical Method: EPA 300.0								
Sulfate	<b>6.1</b> mg/L		5.0	1		03/02/12 20:03	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>								
Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND mg/L		0.20	1		02/22/12 11:01		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/22/12 11:01		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		02/22/12 11:01		
<b>5310B TOC</b>								
Analytical Method: SM 5310B								
Total Organic Carbon	<b>2.9</b> mg/L		1.0	1		02/28/12 21:20	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME  
Pace Project No.: 92112607

Sample: MW-11-I	Lab ID: 92112607002	Collected: 02/20/12 12:31	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>								
Analytical Method: RSK 175								
Ethane	ND ug/L		12.4	1		02/24/12 13:30	74-84-0	
Ethene	ND ug/L		12.4	1		02/24/12 13:30	74-85-1	
Methane	ND ug/L		6.6	1		02/24/12 13:30	74-82-8	
<b>8260 MSV Low Level</b>								
Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	<b>33.4</b> ug/L		5.0	5		03/01/12 07:01	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	5		03/01/12 07:01	156-60-5	
Tetrachloroethene	ND ug/L		5.0	5		03/01/12 07:01	127-18-4	
Trichloroethene	<b>540</b> ug/L		5.0	5		03/01/12 07:01	79-01-6	
Vinyl chloride	ND ug/L		5.0	5		03/01/12 07:01	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99 %		70-130	5		03/01/12 07:01	460-00-4	
Dibromofluoromethane (S)	102 %		70-130	5		03/01/12 07:01	1868-53-7	
1,2-Dichloroethane-d4 (S)	107 %		70-130	5		03/01/12 07:01	17060-07-0	
Toluene-d8 (S)	100 %		70-130	5		03/01/12 07:01	2037-26-5	
<b>2320B Alkalinity</b>								
Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	<b>39.2</b> mg/L		5.0	1		02/24/12 12:20		
<b>Iron, Ferrous</b>								
Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND mg/L		0.50	1		02/23/12 09:04		N2
<b>4500S2D Sulfide Water</b>								
Analytical Method: SM 4500-S2D								
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>								
Analytical Method: EPA 300.0								
Sulfate	ND mg/L		5.0	1		03/02/12 20:44	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>								
Analytical Method: EPA 353.2								
Nitrogen, Nitrate	<b>0.96</b> mg/L		0.20	1		02/22/12 11:09		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/22/12 11:09		
Nitrogen, NO2 plus NO3	<b>0.96</b> mg/L		0.20	1		02/22/12 11:09		
<b>5310B TOC</b>								
Analytical Method: SM 5310B								
Total Organic Carbon	<b>1.8</b> mg/L		1.0	1		02/28/12 21:32	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME

Pace Project No.: 92112607

Sample: MW-2-S	Lab ID: 92112607003	Collected: 02/20/12 15:04	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>								
Analytical Method: RSK 175								
Ethane	ND ug/L		12.4	1		02/24/12 13:41	74-84-0	
Ethene	ND ug/L		12.4	1		02/24/12 13:41	74-85-1	
Methane	ND ug/L		6.6	1		02/24/12 13:41	74-82-8	
<b>8260 MSV Low Level</b>								
Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 07:25	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 07:25	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 07:25	127-18-4	
Trichloroethene	ND ug/L		1.0	1		03/01/12 07:25	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 07:25	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	100 %		70-130	1		03/01/12 07:25	460-00-4	
Dibromofluoromethane (S)	101 %		70-130	1		03/01/12 07:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	108 %		70-130	1		03/01/12 07:25	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		03/01/12 07:25	2037-26-5	
<b>2320B Alkalinity</b>								
Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	26.5 mg/L		5.0	1		02/24/12 12:20		
<b>Iron, Ferrous</b>								
Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND mg/L		0.50	1		02/23/12 09:06		N2
<b>4500S2D Sulfide Water</b>								
Analytical Method: SM 4500-S2D								
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>								
Analytical Method: EPA 300.0								
Sulfate	12.0 mg/L		5.0	1		03/02/12 20:57	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>								
Analytical Method: EPA 353.2								
Nitrogen, Nitrate	1.6 mg/L		0.20	1		02/22/12 11:16		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/22/12 11:16		
Nitrogen, NO2 plus NO3	1.6 mg/L		0.20	1		02/22/12 11:16		
<b>5310B TOC</b>								
Analytical Method: SM 5310B								
Total Organic Carbon	2.7 mg/L		1.0	1		02/28/12 21:44	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME  
Pace Project No.: 92112607

Sample: MW-2-I	Lab ID: 92112607004	Collected: 02/20/12 16:32	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		12.4	1		02/24/12 13:51	74-84-0	
Ethene	ND ug/L		12.4	1		02/24/12 13:51	74-85-1	
Methane	ND ug/L		6.6	1		02/24/12 13:51	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	<b>813</b> ug/L		100	100		03/01/12 07:49	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		100	100		03/01/12 07:49	156-60-5	
Tetrachloroethene	ND ug/L		100	100		03/01/12 07:49	127-18-4	
Trichloroethene	<b>9430</b> ug/L		100	100		03/01/12 07:49	79-01-6	
Vinyl chloride	ND ug/L		100	100		03/01/12 07:49	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	101 %		70-130	100		03/01/12 07:49	460-00-4	
Dibromofluoromethane (S)	102 %		70-130	100		03/01/12 07:49	1868-53-7	
1,2-Dichloroethane-d4 (S)	106 %		70-130	100		03/01/12 07:49	17060-07-0	
Toluene-d8 (S)	99 %		70-130	100		03/01/12 07:49	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	<b>28.6</b> mg/L		5.0	1		02/24/12 12:20		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		02/23/12 09:09		N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND mg/L		5.0	1		03/02/12 21:11	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	<b>0.44</b> mg/L		0.20	1		02/22/12 11:11		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/22/12 11:11		
Nitrogen, NO2 plus NO3	<b>0.44</b> mg/L		0.20	1		02/22/12 11:11		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	<b>2.2</b> mg/L		1.0	1		02/28/12 21:56	7440-44-0	



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### ANALYTICAL RESULTS

Project: GENERAL TIME  
 Pace Project No.: 92112607

Sample: MW-2-D	Lab ID: 92112607005	Collected: 02/21/12 09:27	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>								
Analytical Method: RSK 175								
Ethane	ND ug/L		12.4	1		02/24/12 14:02	74-84-0	
Ethene	ND ug/L		12.4	1		02/24/12 14:02	74-85-1	
Methane	ND ug/L		6.6	1		02/24/12 14:02	74-82-8	
<b>8260 MSV Low Level</b>								
Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 08:13	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 08:13	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 08:13	127-18-4	
Trichloroethene	ND ug/L		1.0	1		03/01/12 08:13	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 08:13	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	100 %		70-130	1		03/01/12 08:13	460-00-4	
Dibromofluoromethane (S)	103 %		70-130	1		03/01/12 08:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	107 %		70-130	1		03/01/12 08:13	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		03/01/12 08:13	2037-26-5	
<b>2320B Alkalinity</b>								
Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	78.4 mg/L		5.0	1		02/24/12 12:20		
<b>Iron, Ferrous</b>								
Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND mg/L		0.50	1		02/23/12 09:09		N2
<b>4500S2D Sulfide Water</b>								
Analytical Method: SM 4500-S2D								
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>								
Analytical Method: EPA 300.0								
Sulfate	22.1 mg/L		5.0	1		03/02/12 21:25	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>								
Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND mg/L		0.20	1		02/22/12 16:07		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/22/12 16:07		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		02/22/12 16:07		
<b>5310B TOC</b>								
Analytical Method: SM 5310B								
Total Organic Carbon	1.4 mg/L		1.0	1		02/28/12 22:06	7440-44-0	



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### ANALYTICAL RESULTS

Project: GENERAL TIME  
 Pace Project No.: 92112607

Sample: MW-9-I	Lab ID: 92112607006	Collected: 02/21/12 11:19	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>								
Analytical Method: RSK 175								
Ethane	ND	ug/L	12.4	1		02/24/12 14:13	74-84-0	
Ethene	ND	ug/L	12.4	1		02/24/12 14:13	74-85-1	
Methane	7.3	ug/L	6.6	1		02/24/12 14:13	74-82-8	
<b>8260 MSV Low Level</b>								
Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	91.9	ug/L	10.0	10		03/01/12 08:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		03/01/12 08:38	156-60-5	
Tetrachloroethene	ND	ug/L	10.0	10		03/01/12 08:38	127-18-4	
Trichloroethene	1070	ug/L	10.0	10		03/01/12 08:38	79-01-6	
Vinyl chloride	ND	ug/L	10.0	10		03/01/12 08:38	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99	%	70-130	10		03/01/12 08:38	460-00-4	
Dibromofluoromethane (S)	102	%	70-130	10		03/01/12 08:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	10		03/01/12 08:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130	10		03/01/12 08:38	2037-26-5	
<b>2320B Alkalinity</b>								
Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	59.3	mg/L	5.0	1		02/24/12 12:20		
<b>Iron, Ferrous</b>								
Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND	mg/L	0.50	1		02/23/12 09:11		N2
<b>4500S2D Sulfide Water</b>								
Analytical Method: SM 4500-S2D								
Sulfide	ND	mg/L	0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>								
Analytical Method: EPA 300.0								
Sulfate	ND	mg/L	5.0	1		03/02/12 21:38	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>								
Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.48	mg/L	0.20	1		02/22/12 16:12		
Nitrogen, Nitrite	ND	mg/L	0.10	1		02/22/12 16:12		
Nitrogen, NO2 plus NO3	0.48	mg/L	0.20	1		02/22/12 16:12		
<b>5310B TOC</b>								
Analytical Method: SM 5310B								
Total Organic Carbon	3.2	mg/L	1.0	1		03/01/12 20:05	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME

Pace Project No.: 92112607

Sample: MW-9-D	Lab ID: 92112607007	Collected: 02/21/12 12:34	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>								
Analytical Method: RSK 175								
Ethane	ND ug/L		12.4	1		02/24/12 14:23	74-84-0	
Ethene	ND ug/L		12.4	1		02/24/12 14:23	74-85-1	
Methane	ND ug/L		6.6	1		02/24/12 14:23	74-82-8	
<b>8260 MSV Low Level</b>								
Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 09:02	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 09:02	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 09:02	127-18-4	
Trichloroethene	ND ug/L		1.0	1		03/01/12 09:02	79-01-6	
Vinyl chloride	1.2 ug/L		1.0	1		03/01/12 09:02	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99 %		70-130	1		03/01/12 09:02	460-00-4	
Dibromofluoromethane (S)	102 %		70-130	1		03/01/12 09:02	1868-53-7	
1,2-Dichloroethane-d4 (S)	108 %		70-130	1		03/01/12 09:02	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		03/01/12 09:02	2037-26-5	
<b>2320B Alkalinity</b>								
Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	84.8 mg/L		5.0	1		02/24/12 12:20		
<b>Iron, Ferrous</b>								
Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND mg/L		0.50	1		02/23/12 09:16		N2
<b>4500S2D Sulfide Water</b>								
Analytical Method: SM 4500-S2D								
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>								
Analytical Method: EPA 300.0								
Sulfate	9.2 mg/L		5.0	1		03/02/12 21:52	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>								
Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND mg/L		0.20	1		02/22/12 16:13		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/22/12 16:13		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		02/22/12 16:13		
<b>5310B TOC</b>								
Analytical Method: SM 5310B								
Total Organic Carbon	2.7 mg/L		1.0	1		03/01/12 20:27	7440-44-0	



## ANALYTICAL RESULTS

Project: GENERAL TIME  
Pace Project No.: 92112607

<b>Sample: MW-7-I</b>		<b>Lab ID: 92112607008</b>	Collected: 02/21/12 14:14	Received: 02/22/12 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND	ug/L	12.4	1		02/24/12 16:07	74-84-0	
Ethene	ND	ug/L	12.4	1		02/24/12 16:07	74-85-1	
Methane	<b>135</b>	ug/L	6.6	1		02/24/12 16:07	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	<b>2.3</b>	ug/L	1.0	1		03/01/12 09:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/01/12 09:26	156-60-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/01/12 09:26	127-18-4	
Trichloroethene	<b>1.0</b>	ug/L	1.0	1		03/01/12 09:26	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		03/01/12 09:26	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	102	%	70-130	1		03/01/12 09:26	460-00-4	
Dibromofluoromethane (S)	102	%	70-130	1		03/01/12 09:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		03/01/12 09:26	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		03/01/12 09:26	2037-26-5	
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	<b>46.4</b>	mg/L	5.0	1		02/25/12 12:15		
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND	mg/L	0.50	1		02/23/12 09:21		N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND	mg/L	0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0						
Sulfate	ND	mg/L	5.0	1		03/02/12 23:00	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	ND	mg/L	0.20	1		02/22/12 16:18		
Nitrogen, Nitrite	ND	mg/L	0.10	1		02/22/12 16:18		
Nitrogen, NO2 plus NO3	ND	mg/L	0.20	1		02/22/12 16:18		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	<b>18.8</b>	mg/L	1.0	1		03/01/12 20:50	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME

Pace Project No.: 92112607

Sample: MW-5-I	Lab ID: 92112607009	Collected: 02/21/12 15:32	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>								
Analytical Method: RSK 175								
Ethane	ND ug/L		12.4	1		02/24/12 16:28	74-84-0	
Ethene	ND ug/L		12.4	1		02/24/12 16:28	74-85-1	
Methane	ND ug/L		6.6	1		02/24/12 16:28	74-82-8	
<b>8260 MSV Low Level</b>								
Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	2.2 ug/L		1.0	1		02/29/12 10:13	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		02/29/12 10:13	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		02/29/12 10:13	127-18-4	
Trichloroethene	ND ug/L		1.0	1		02/29/12 10:13	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		02/29/12 10:13	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98 %		70-130	1		02/29/12 10:13	460-00-4	
Dibromofluoromethane (S)	102 %		70-130	1		02/29/12 10:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	104 %		70-130	1		02/29/12 10:13	17060-07-0	
Toluene-d8 (S)	97 %		70-130	1		02/29/12 10:13	2037-26-5	
<b>2320B Alkalinity</b>								
Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	43.2 mg/L		5.0	1		02/25/12 12:15		
<b>Iron, Ferrous</b>								
Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND mg/L		0.50	1		02/23/12 09:23		N2
<b>4500S2D Sulfide Water</b>								
Analytical Method: SM 4500-S2D								
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>								
Analytical Method: EPA 300.0								
Sulfate	ND mg/L		5.0	1		03/02/12 23:40	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>								
Analytical Method: EPA 353.2								
Nitrogen, Nitrate	0.84 mg/L		0.20	1		02/22/12 16:20		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/22/12 16:20		
Nitrogen, NO2 plus NO3	0.84 mg/L		0.20	1		02/22/12 16:20		
<b>5310B TOC</b>								
Analytical Method: SM 5310B								
Total Organic Carbon	1.6 mg/L		1.0	1		03/01/12 21:00	7440-44-0	

## ANALYTICAL RESULTS

Project: GENERAL TIME

Pace Project No.: 92112607

Sample: MW-11-D	Lab ID: 92112607010	Collected: 02/20/12 13:41	Received: 02/22/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>								
Analytical Method: RSK 175								
Ethane	ND ug/L		12.4	1		02/24/12 16:39	74-84-0	
Ethene	ND ug/L		12.4	1		02/24/12 16:39	74-85-1	
Methane	<b>13000</b> ug/L		6.6	1		02/24/12 16:39	74-82-8	E
<b>8260 MSV Low Level</b>								
Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	<b>7.7</b> ug/L		1.0	1		03/01/12 09:51	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 09:51	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 09:51	127-18-4	
Trichloroethene	ND ug/L		1.0	1		03/01/12 09:51	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 09:51	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	100 %		70-130	1		03/01/12 09:51	460-00-4	
Dibromofluoromethane (S)	103 %		70-130	1		03/01/12 09:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	107 %		70-130	1		03/01/12 09:51	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		03/01/12 09:51	2037-26-5	
<b>2320B Alkalinity</b>								
Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	<b>376</b> mg/L		5.0	1		02/24/12 12:20		
<b>Iron, Ferrous</b>								
Analytical Method: SM 3500-Fe D#4								
Iron, Ferrous	ND mg/L		0.50	1		02/23/12 09:06		N2
<b>4500S2D Sulfide Water</b>								
Analytical Method: SM 4500-S2D								
Sulfide	<b>4.6</b> mg/L		0.50	1		02/25/12 16:45	18496-25-8	
<b>300.0 IC Anions 28 Days</b>								
Analytical Method: EPA 300.0								
Sulfate	<b>7.8</b> mg/L		5.0	1		03/02/12 23:54	14808-79-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>								
Analytical Method: EPA 353.2								
Nitrogen, Nitrate	ND mg/L		0.20	1		02/22/12 11:10		
Nitrogen, Nitrite	<b>0.77</b> mg/L		0.10	1		02/22/12 11:10		
Nitrogen, NO2 plus NO3	ND mg/L		0.20	1		02/22/12 11:10		
<b>5310B TOC</b>								
Analytical Method: SM 5310B								
Total Organic Carbon	<b>33.7</b> mg/L		1.0	1		03/01/12 21:12	7440-44-0	



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### ANALYTICAL RESULTS

Project: GENERAL TIME  
 Pace Project No.: 92112607

Sample: TRIP BLANK		Lab ID: 92112607011	Collected: 02/21/12 00:00	Received: 02/22/12 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/29/12 08:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/29/12 08:57	156-60-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/29/12 08:57	127-18-4	
Trichloroethene	ND	ug/L	1.0	1		02/29/12 08:57	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		02/29/12 08:57	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		02/29/12 08:57	460-00-4	
Dibromofluoromethane (S)	100 %		70-130	1		02/29/12 08:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	101 %		70-130	1		02/29/12 08:57	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		02/29/12 08:57	2037-26-5	

## ANALYTICAL RESULTS

Project: GENERAL TIME

Pace Project No.: 92112607

<b>Sample: RW-1</b>		<b>Lab ID: 92112607012</b>	Collected: 02/21/12 16:20	Received: 02/22/12 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	<b>784</b> ug/L		5.0	5		02/29/12 14:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		02/29/12 14:53	156-60-5	
Tetrachloroethene	ND	ug/L	5.0	5		02/29/12 14:53	127-18-4	
Trichloroethene	<b>2390</b> ug/L		25.0	25		03/01/12 18:24	79-01-6	
Vinyl chloride	<b>35.3</b> ug/L		5.0	5		02/29/12 14:53	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97 %		70-130	5		02/29/12 14:53	460-00-4	
Dibromofluoromethane (S)	101 %		70-130	5		02/29/12 14:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	108 %		70-130	5		02/29/12 14:53	17060-07-0	
Toluene-d8 (S)	98 %		70-130	5		02/29/12 14:53	2037-26-5	

### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: AIR/14327 Analysis Method: RSK 175  
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007

METHOD BLANK: 1144939 Matrix: Water  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	12.4	02/24/12 09:44	
Ethene	ug/L	ND	12.4	02/24/12 09:44	
Methane	ug/L	ND	6.6	02/24/12 09:44	

LABORATORY CONTROL SAMPLE & LCSD: 1144940 1144941

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	115	115	101	101	70-130	.7	30	
Ethene	ug/L	106	108	106	101	100	70-130	1	30	
Methane	ug/L	60.7	61.0	60.0	101	99	70-130	2	30	

SAMPLE DUPLICATE: 1145777

Parameter	Units	92112710001 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	ND		

SAMPLE DUPLICATE: 1145783

Parameter	Units	92112710010 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: AIR/14331 Analysis Method: RSK 175  
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE  
Associated Lab Samples: 92112607008, 92112607009, 92112607010

METHOD BLANK: 1145325 Matrix: Water

Associated Lab Samples: 92112607008, 92112607009, 92112607010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	12.4	02/24/12 14:45	
Ethene	ug/L	ND	12.4	02/24/12 14:45	
Methane	ug/L	ND	6.6	02/24/12 14:45	

LABORATORY CONTROL SAMPLE & LCSD: 1145326 1145327

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	115	117	101	103	70-130	2	30	
Ethene	ug/L	106	106	108	100	102	70-130	2	30	
Methane	ug/L	60.7	60.0	60.3	99	99	70-130	.6	30	

SAMPLE DUPLICATE: 1145784

Parameter	Units	92112607008 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	135	138	2	

SAMPLE DUPLICATE: 1145788

Parameter	Units	92112592013 Result	Dup Result	RPD	Qualifiers
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: MSV/18340 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
Associated Lab Samples: 92112607009, 92112607011, 92112607012

METHOD BLANK: 728196 Matrix: Water

Associated Lab Samples: 92112607009, 92112607011, 92112607012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/29/12 05:08	
Tetrachloroethene	ug/L	ND	1.0	02/29/12 05:08	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/29/12 05:08	
Trichloroethene	ug/L	ND	1.0	02/29/12 05:08	
Vinyl chloride	ug/L	ND	1.0	02/29/12 05:08	
1,2-Dichloroethane-d4 (S)	%	89	70-130	02/29/12 05:08	
4-Bromofluorobenzene (S)	%	98	70-130	02/29/12 05:08	
Dibromofluoromethane (S)	%	95	70-130	02/29/12 05:08	
Toluene-d8 (S)	%	94	70-130	02/29/12 05:08	

LABORATORY CONTROL SAMPLE: 728197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	42.7	85	70-131	
Tetrachloroethene	ug/L	50	49.5	99	70-130	
trans-1,2-Dichloroethene	ug/L	50	41.9	84	70-130	
Trichloroethene	ug/L	50	50.6	101	70-130	
Vinyl chloride	ug/L	50	51.6	103	69-130	
1,2-Dichloroethane-d4 (S)	%			84	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			87	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 728198 728199

Parameter	Units	92112607009		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Trichloroethene	ug/L	ND	50	50	127	136	255	272	69-151	7	M0	
1,2-Dichloroethane-d4 (S)	%						108	107	70-130			
4-Bromofluorobenzene (S)	%						98	97	70-130			
Dibromofluoromethane (S)	%						104	103	70-130			
Toluene-d8 (S)	%						97	97	70-130			



### QUALITY CONTROL DATA

Project: GENERAL TIME  
 Pace Project No.: 92112607

QC Batch: MSV/18341 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
 Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007, 92112607008, 92112607010

METHOD BLANK: 728220 Matrix: Water  
 Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007, 92112607008, 92112607010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/01/12 06:12	
Tetrachloroethene	ug/L	ND	1.0	03/01/12 06:12	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/01/12 06:12	
Trichloroethene	ug/L	ND	1.0	03/01/12 06:12	
Vinyl chloride	ug/L	ND	1.0	03/01/12 06:12	
1,2-Dichloroethane-d4 (S)	%	107	70-130	03/01/12 06:12	
4-Bromofluorobenzene (S)	%	99	70-130	03/01/12 06:12	
Dibromofluoromethane (S)	%	101	70-130	03/01/12 06:12	
Toluene-d8 (S)	%	99	70-130	03/01/12 06:12	

LABORATORY CONTROL SAMPLE: 728221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	45.3	91	70-131	
Tetrachloroethene	ug/L	50	45.8	92	70-130	
trans-1,2-Dichloroethene	ug/L	50	43.8	88	70-130	
Trichloroethene	ug/L	50	46.4	93	70-130	
Vinyl chloride	ug/L	50	44.7	89	69-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Dibromofluoromethane (S)	%			102	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 728222 728223

Parameter	Units	92112742001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dichloroethane-d4 (S)	%						108	107	70-130		
4-Bromofluorobenzene (S)	%						101	101	70-130		
Dibromofluoromethane (S)	%						103	103	70-130		
Toluene-d8 (S)	%						100	100	70-130		

### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: WET/19848 Analysis Method: SM 2320B  
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007, 92112607010

METHOD BLANK: 726897 Matrix: Water  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007, 92112607010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	02/24/12 12:20	

LABORATORY CONTROL SAMPLE: 726898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.7	97	90-110	

SAMPLE DUPLICATE: 726899

Parameter	Units	92112659001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	38.1	39.2	3	

SAMPLE DUPLICATE: 726900

Parameter	Units	92112607003 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	26.5	27.5	4	



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### QUALITY CONTROL DATA

Project: GENERAL TIME  
 Pace Project No.: 92112607

QC Batch: WET/19866 Analysis Method: SM 2320B  
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
 Associated Lab Samples: 92112607008, 92112607009

METHOD BLANK: 727552 Matrix: Water  
 Associated Lab Samples: 92112607008, 92112607009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	02/25/12 12:15	

LABORATORY CONTROL SAMPLE: 727553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.5	97	90-110	

SAMPLE DUPLICATE: 727556

Parameter	Units	92112607008 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	46.4	57.0	20	



### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: WET/19863 Analysis Method: SM 4500-S2D  
QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007, 92112607008, 92112607009, 92112607010

METHOD BLANK: 727469 Matrix: Water  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007, 92112607008, 92112607009, 92112607010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	02/25/12 16:45	

LABORATORY CONTROL SAMPLE: 727470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.53	105	90-110	

MATRIX SPIKE SAMPLE: 727471

Parameter	Units	92112607001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.59	118	75-125	

SAMPLE DUPLICATE: 727472

Parameter	Units	92112607001 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: WETA/11645 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007

METHOD BLANK: 728341 Matrix: Water  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005, 92112607006, 92112607007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	03/02/12 15:18	

LABORATORY CONTROL SAMPLE: 728342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.0	95	90-110	

MATRIX SPIKE SAMPLE: 728343

Parameter	Units	92112592013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	6.8	20	24.6	89	90-110	M1

MATRIX SPIKE SAMPLE: 728345

Parameter	Units	92112765001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	26.4	20	42.7	82	90-110	M1

SAMPLE DUPLICATE: 728344

Parameter	Units	92112592013 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	6.8	6.9	2	

SAMPLE DUPLICATE: 728346

Parameter	Units	92112765001 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	26.4	26.4	0	

### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: WETA/11646 Analysis Method: EPA 300.0  
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
Associated Lab Samples: 92112607008, 92112607009, 92112607010

METHOD BLANK: 728347 Matrix: Water

Associated Lab Samples: 92112607008, 92112607009, 92112607010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	03/02/12 22:33	

LABORATORY CONTROL SAMPLE: 728348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	19.1	96	90-110	

MATRIX SPIKE SAMPLE: 728349

Parameter	Units	92112607008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	ND	20	19.5	88	90-110	M1

MATRIX SPIKE SAMPLE: 728351

Parameter	Units	92112710008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	32.5	20	53.6	105	90-110	

SAMPLE DUPLICATE: 728350

Parameter	Units	92112607008 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	ND	ND		

SAMPLE DUPLICATE: 728352

Parameter	Units	92112710008 Result	Dup Result	RPD	Qualifiers
Sulfate	mg/L	32.5	32.5	0	

### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: WETA/11600 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607010

METHOD BLANK: 725456 Matrix: Water  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.20	02/22/12 11:04	
Nitrogen, Nitrite	mg/L	ND	0.10	02/22/12 11:04	
Nitrogen, NO2 plus NO3	mg/L	ND	0.20	02/22/12 11:04	

LABORATORY CONTROL SAMPLE: 725457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	5.0	100	90-110	
Nitrogen, Nitrite	mg/L	1	1.1	106	90-110	
Nitrogen, NO2 plus NO3	mg/L	5	5.0	100	90-110	

MATRIX SPIKE SAMPLE: 725458

Parameter	Units	92112607001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	6.4	124	90-110	M1
Nitrogen, Nitrite	mg/L	ND	1	1.1	114	90-110	M1
Nitrogen, NO2 plus NO3	mg/L	ND	5	6.4	124	90-110	M1

SAMPLE DUPLICATE: 725459

Parameter	Units	92112607001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	ND	ND		



### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: WETA/11602 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.  
Associated Lab Samples: 92112607005, 92112607006, 92112607007, 92112607008, 92112607009

METHOD BLANK: 725683 Matrix: Water  
Associated Lab Samples: 92112607005, 92112607006, 92112607007, 92112607008, 92112607009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.20	02/22/12 16:02	
Nitrogen, Nitrite	mg/L	ND	0.10	02/22/12 16:02	
Nitrogen, NO2 plus NO3	mg/L	ND	0.20	02/22/12 16:02	

LABORATORY CONTROL SAMPLE: 725684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	4.9	97	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	104	90-110	
Nitrogen, NO2 plus NO3	mg/L	5	4.9	97	90-110	

MATRIX SPIKE SAMPLE: 725685

Parameter	Units	92112607005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.0	100	90-110	
Nitrogen, Nitrite	mg/L	ND	1	0.99	98	90-110	
Nitrogen, NO2 plus NO3	mg/L	ND	5	5.0	100	90-110	

SAMPLE DUPLICATE: 725686

Parameter	Units	92112607005 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	ND	ND		

### QUALITY CONTROL DATA

Project: GENERAL TIME  
Pace Project No.: 92112607

QC Batch: WETA/11638 Analysis Method: SM 5310B  
QC Batch Method: SM 5310B Analysis Description: 5310B TOC  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005

METHOD BLANK: 727985 Matrix: Water  
Associated Lab Samples: 92112607001, 92112607002, 92112607003, 92112607004, 92112607005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	02/28/12 17:05	

LABORATORY CONTROL SAMPLE: 727986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	23.3	93	90-110	

MATRIX SPIKE SAMPLE: 727987

Parameter	Units	92112592001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	6.3	25	28.5	89	75-125	

MATRIX SPIKE SAMPLE: 727989

Parameter	Units	92112592017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	3.9	25	24.3	82	75-125	

SAMPLE DUPLICATE: 727988

Parameter	Units	92112592002 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	47.6	47.2	1	

SAMPLE DUPLICATE: 727990

Parameter	Units	92112592025 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	8.8	8.9	1	



**QUALITY CONTROL DATA**

Project: GENERAL TIME  
 Pace Project No.: 92112607

QC Batch: WETA/11658 Analysis Method: SM 5310B  
 QC Batch Method: SM 5310B Analysis Description: 5310B TOC  
 Associated Lab Samples: 92112607006, 92112607007, 92112607008, 92112607009, 92112607010

METHOD BLANK: 729535 Matrix: Water  
 Associated Lab Samples: 92112607006, 92112607007, 92112607008, 92112607009, 92112607010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	03/01/12 19:36	

LABORATORY CONTROL SAMPLE: 729536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	23.2	93	90-110	

MATRIX SPIKE SAMPLE: 729537

Parameter	Units	92112607006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	3.2	25	25.3	88	75-125	

MATRIX SPIKE SAMPLE: 729539

Parameter	Units	92112710005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.0	25	22.7	87	75-125	

SAMPLE DUPLICATE: 729538

Parameter	Units	92112607007 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	2.7	2.8	2	

SAMPLE DUPLICATE: 729540

Parameter	Units	92112710006 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	2.6	2.6	1	

## QUALIFIERS

Project: GENERAL TIME  
Pace Project No.: 92112607

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

### LABORATORIES

PASI-A Pace Analytical Services - Asheville  
PASI-C Pace Analytical Services - Charlotte  
PASI-M Pace Analytical Services - Minneapolis

### ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.  
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
N2 The lab does not hold TNI accreditation for this parameter.

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GENERAL TIME

Pace Project No.: 92112607

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92112607001	MW-11-S	RSK 175	AIR/14327		
92112607002	MW-11-I	RSK 175	AIR/14327		
92112607003	MW-2-S	RSK 175	AIR/14327		
92112607004	MW-2-I	RSK 175	AIR/14327		
92112607005	MW-2-D	RSK 175	AIR/14327		
92112607006	MW-9-I	RSK 175	AIR/14327		
92112607007	MW-9-D	RSK 175	AIR/14327		
92112607008	MW-7-I	RSK 175	AIR/14331		
92112607009	MW-5-I	RSK 175	AIR/14331		
92112607010	MW-11-D	RSK 175	AIR/14331		
92112607001	MW-11-S	EPA 8260	MSV/18341		
92112607002	MW-11-I	EPA 8260	MSV/18341		
92112607003	MW-2-S	EPA 8260	MSV/18341		
92112607004	MW-2-I	EPA 8260	MSV/18341		
92112607005	MW-2-D	EPA 8260	MSV/18341		
92112607006	MW-9-I	EPA 8260	MSV/18341		
92112607007	MW-9-D	EPA 8260	MSV/18341		
92112607008	MW-7-I	EPA 8260	MSV/18341		
92112607009	MW-5-I	EPA 8260	MSV/18340		
92112607010	MW-11-D	EPA 8260	MSV/18341		
92112607011	TRIP BLANK	EPA 8260	MSV/18340		
92112607012	RW-1	EPA 8260	MSV/18340		
92112607001	MW-11-S	SM 2320B	WET/19848		
92112607002	MW-11-I	SM 2320B	WET/19848		
92112607003	MW-2-S	SM 2320B	WET/19848		
92112607004	MW-2-I	SM 2320B	WET/19848		
92112607005	MW-2-D	SM 2320B	WET/19848		
92112607006	MW-9-I	SM 2320B	WET/19848		
92112607007	MW-9-D	SM 2320B	WET/19848		
92112607008	MW-7-I	SM 2320B	WET/19866		
92112607009	MW-5-I	SM 2320B	WET/19866		
92112607010	MW-11-D	SM 2320B	WET/19848		
92112607001	MW-11-S	SM 3500-Fe D#4	WET/19824		
92112607002	MW-11-I	SM 3500-Fe D#4	WET/19824		
92112607003	MW-2-S	SM 3500-Fe D#4	WET/19824		
92112607004	MW-2-I	SM 3500-Fe D#4	WET/19824		
92112607005	MW-2-D	SM 3500-Fe D#4	WET/19824		
92112607006	MW-9-I	SM 3500-Fe D#4	WET/19824		
92112607007	MW-9-D	SM 3500-Fe D#4	WET/19824		
92112607008	MW-7-I	SM 3500-Fe D#4	WET/19824		
92112607009	MW-5-I	SM 3500-Fe D#4	WET/19824		
92112607010	MW-11-D	SM 3500-Fe D#4	WET/19824		
92112607001	MW-11-S	SM 4500-S2D	WET/19863		
92112607002	MW-11-I	SM 4500-S2D	WET/19863		

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GENERAL TIME

Pace Project No.: 92112607

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92112607003	MW-2-S	SM 4500-S2D	WET/19863		
92112607004	MW-2-I	SM 4500-S2D	WET/19863		
92112607005	MW-2-D	SM 4500-S2D	WET/19863		
92112607006	MW-9-I	SM 4500-S2D	WET/19863		
92112607007	MW-9-D	SM 4500-S2D	WET/19863		
92112607008	MW-7-I	SM 4500-S2D	WET/19863		
92112607009	MW-5-I	SM 4500-S2D	WET/19863		
92112607010	MW-11-D	SM 4500-S2D	WET/19863		
92112607001	MW-11-S	EPA 300.0	WETA/11645		
92112607002	MW-11-I	EPA 300.0	WETA/11645		
92112607003	MW-2-S	EPA 300.0	WETA/11645		
92112607004	MW-2-I	EPA 300.0	WETA/11645		
92112607005	MW-2-D	EPA 300.0	WETA/11645		
92112607006	MW-9-I	EPA 300.0	WETA/11645		
92112607007	MW-9-D	EPA 300.0	WETA/11645		
92112607008	MW-7-I	EPA 300.0	WETA/11646		
92112607009	MW-5-I	EPA 300.0	WETA/11646		
92112607010	MW-11-D	EPA 300.0	WETA/11646		
92112607001	MW-11-S	EPA 353.2	WETA/11600		
92112607002	MW-11-I	EPA 353.2	WETA/11600		
92112607003	MW-2-S	EPA 353.2	WETA/11600		
92112607004	MW-2-I	EPA 353.2	WETA/11600		
92112607005	MW-2-D	EPA 353.2	WETA/11602		
92112607006	MW-9-I	EPA 353.2	WETA/11602		
92112607007	MW-9-D	EPA 353.2	WETA/11602		
92112607008	MW-7-I	EPA 353.2	WETA/11602		
92112607009	MW-5-I	EPA 353.2	WETA/11602		
92112607010	MW-11-D	EPA 353.2	WETA/11600		
92112607001	MW-11-S	SM 5310B	WETA/11638		
92112607002	MW-11-I	SM 5310B	WETA/11638		
92112607003	MW-2-S	SM 5310B	WETA/11638		
92112607004	MW-2-I	SM 5310B	WETA/11638		
92112607005	MW-2-D	SM 5310B	WETA/11638		
92112607006	MW-9-I	SM 5310B	WETA/11658		
92112607007	MW-9-D	SM 5310B	WETA/11658		
92112607008	MW-7-I	SM 5310B	WETA/11658		
92112607009	MW-5-I	SM 5310B	WETA/11658		
92112607010	MW-11-D	SM 5310B	WETA/11658		



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March 7, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92112607**

*Microseeps Workorder: 4306*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, February 23, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl      03/07/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 33

Report ID: 4306 - 191420

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## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories	
<b>Accreditation ID:</b>	02-00538	
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste	
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories	
<b>Accreditation ID:</b>	E87832	
<b>Scope:</b>	Clean Water Act (CWA)	Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification	
<b>Accreditation ID:</b>	89009003	
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)	
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality	
<b>Accreditation ID:</b>	04104	
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water	
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection	
<b>Accreditation ID:</b>	PA026	
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials	
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center	
<b>Accreditation ID:</b>	11815	
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste	
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health	
<b>Accreditation ID:</b>	PH-0263	
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)	
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality	
<b>Accreditation ID:</b>	T104704453-09-TX	
<b>Scope:</b>	Non-Potable Water	
<b>Accreditor:</b>	State of New Hampshire	
<b>Accreditation ID:</b>	299409	
<b>Scope:</b>	Non-potable water	
<b>Accreditor:</b>	State of Georgia	
<b>Accreditation ID:</b>	Chapter 391-3-26	
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).	

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## SAMPLE SUMMARY

Workorder: 4306 GENERAL TIME / 92112607

Lab ID	Sample ID	Matrix	Date Collected	Date Received
43060001	MW-11-S	Bubble Strip	2/20/2012 11:12	2/23/2012 11:00
43060002	MW-11-S	Water	2/20/2012 11:12	2/23/2012 11:00
43060003	MW-11-I	Bubble Strip	2/20/2012 12:31	2/23/2012 11:00
43060004	MW-11-I	Water	2/20/2012 12:31	2/23/2012 11:00
43060005	MW-2-S	Bubble Strip	2/20/2012 15:04	2/23/2012 11:00
43060006	MW-2-S	Water	2/20/2012 15:04	2/23/2012 11:00
43060007	MW-2-I	Bubble Strip	2/20/2012 16:32	2/23/2012 11:00
43060008	MW-2-I	Water	2/20/2012 16:32	2/23/2012 11:00
43060009	MW-2-D	Bubble Strip	2/21/2012 09:27	2/23/2012 11:00
43060010	MW-2-D	Water	2/21/2012 09:27	2/23/2012 11:00
43060011	MW-9-I	Bubble Strip	2/21/2012 11:19	2/23/2012 11:00
43060012	MW-9-I	Water	2/21/2012 11:19	2/23/2012 11:00
43060013	MW-9-D	Bubble Strip	2/21/2012 12:34	2/23/2012 11:00
43060014	MW-9-D	Water	2/21/2012 12:34	2/23/2012 11:00
43060015	MW-7-I	Bubble Strip	2/21/2012 14:14	2/23/2012 11:00
43060016	MW-7-I	Water	2/21/2012 14:14	2/23/2012 11:00
43060017	MW-5-I	Bubble Strip	2/21/2012 15:32	2/23/2012 11:00
43060018	MW-5-I	Water	2/21/2012 15:32	2/23/2012 11:00
43060019	MW-11-D	Water	2/21/2012 15:32	2/23/2012 11:00

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060001 Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Sample ID: MW-11-S Date Collected: 2/20/2012 11:12

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	2.2	nM	0.60	0.25	1		3/1/2012 11:01	GT	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060002

Date Received: 2/23/2012 11:00 Matrix: Water

Sample ID: MW-11-S

Date Collected: 2/20/2012 11:12

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	87	mg/l	5.0	0.070	1		3/5/2012 13:46	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.039J	mg/l	0.10	0.010	1		3/3/2012 04:39	KB	
Acetic Acid	0.025J	mg/l	0.070	0.0060	1		3/3/2012 04:39	KB	
Propionic Acid	0.050 U	mg/l	0.050	0.0070	1		3/3/2012 04:39	KB	
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1		3/3/2012 04:39	KB	
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1		3/3/2012 04:39	KB	

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## ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060003  
Sample ID: MW-11-I

Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Date Collected: 2/20/2012 12:31

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	1.0	nM	0.60	0.25	1		3/1/2012 11:14	GT	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060004 Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: MW-11-I Date Collected: 2/20/2012 12:31

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	37	mg/l	5.0	0.070	1		3/5/2012 14:00	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.061J	mg/l	0.10	0.010	1		3/3/2012 05:21	KB	
Acetic Acid	0.012J	mg/l	0.070	0.0060	1		3/3/2012 05:21	KB	
Propionic Acid	0.0089J	mg/l	0.050	0.0070	1		3/3/2012 05:21	KB	
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1		3/3/2012 05:21	KB	
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1		3/3/2012 05:21	KB	

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## ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060005  
Sample ID: MW-2-S

Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Date Collected: 2/20/2012 15:04

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	2.4	nM	0.60	0.25	1		3/1/2012 11:26	GT	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060006 Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: MW-2-S Date Collected: 2/20/2012 15:04

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	48	mg/l	5.0	0.070	1		3/5/2012 14:12	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.060J	mg/l	0.10	0.010	1		3/3/2012 06:03	KB	
Acetic Acid	0.014J	mg/l	0.070	0.0060	1		3/3/2012 06:03	KB	
Propionic Acid	0.050 U	mg/l	0.050	0.0070	1		3/3/2012 06:03	KB	
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1		3/3/2012 06:03	KB	
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1		3/3/2012 06:03	KB	

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## ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060007  
Sample ID: MW-2-I

Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Date Collected: 2/20/2012 16:32

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	1.3	nM	0.60	0.25	1		3/1/2012 11:39	GT	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: **43060008** Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: **MW-2-I** Date Collected: 2/20/2012 16:32

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	<b>44</b>	mg/l	5.0	0.070	1		3/5/2012 14:25	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<b>0.063J</b>	mg/l	0.10	0.010	1		3/3/2012 06:45	KB	
Acetic Acid	<b>0.0096J</b>	mg/l	0.070	0.0060	1		3/3/2012 06:45	KB	
Propionic Acid	<b>0.050 U</b>	mg/l	0.050	0.0070	1		3/3/2012 06:45	KB	
Butyric Acid	<b>0.050 U</b>	mg/l	0.050	0.0040	1		3/3/2012 06:45	KB	
Pyruvic Acid	<b>0.15 U</b>	mg/l	0.15	0.033	1		3/3/2012 06:45	KB	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060009 Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Sample ID: MW-2-D Date Collected: 2/21/2012 09:27

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX			Analytical Method: AM20GAX						
Hydrogen	1.8	nM	0.60	0.25	1		3/6/2012 09:44	GT	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060010 Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: MW-2-D Date Collected: 2/21/2012 09:27

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	0.53J	mg/l	5.0	0.070	1		3/5/2012 14:38	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.090J	mg/l	0.10	0.010	1		3/3/2012 07:27	KB	
Acetic Acid	0.021J	mg/l	0.070	0.0060	1		3/3/2012 07:27	KB	
Propionic Acid	0.050 U	mg/l	0.050	0.0070	1		3/3/2012 07:27	KB	
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1		3/3/2012 07:27	KB	
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1		3/3/2012 07:27	KB	

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## ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060011 Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Sample ID: MW-9-I Date Collected: 2/21/2012 11:19

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX			Analytical Method: AM20GAX						
Hydrogen	2.7	nM	0.60	0.25	1		3/6/2012 09:58	GT	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: **43060012** Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: **MW-9-I** Date Collected: 2/21/2012 11:19

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	54	mg/l	5.0	0.070	1		3/5/2012 14:59	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.032J	mg/l	0.10	0.010	1		3/3/2012 08:09	KB	
Acetic Acid	0.012J	mg/l	0.070	0.0060	1		3/3/2012 08:09	KB	
Propionic Acid	0.050 U	mg/l	0.050	0.0070	1		3/3/2012 08:09	KB	
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1		3/3/2012 08:09	KB	
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1		3/3/2012 08:09	KB	

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## ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: **43060013** Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Sample ID: **MW-9-D** Date Collected: 2/21/2012 12:34

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	1.1	nM	0.60	0.25	1		3/6/2012 10:11	GT	

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**ANALYTICAL RESULTS**

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: **43060014** Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: **MW-9-D** Date Collected: 2/21/2012 12:34

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	<b>0.20J</b>	mg/l	5.0	0.070	1		3/5/2012 15:12	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<b>0.27</b>	mg/l	0.10	0.010	1		3/3/2012 08:51	KB	
Acetic Acid	<b>0.019J</b>	mg/l	0.070	0.0060	1		3/3/2012 08:51	KB	
Propionic Acid	<b>0.050 U</b>	mg/l	0.050	0.0070	1		3/3/2012 08:51	KB	
Butyric Acid	<b>0.050 U</b>	mg/l	0.050	0.0040	1		3/3/2012 08:51	KB	
Pyruvic Acid	<b>0.15 U</b>	mg/l	0.15	0.033	1		3/3/2012 08:51	KB	

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## ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060015  
Sample ID: MW-7-I

Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Date Collected: 2/21/2012 14:14

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	1.4	nM	0.60	0.25	1		3/6/2012 10:24	GT	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: **43060016** Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: **MW-7-I** Date Collected: 2/21/2012 14:14

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	<b>36</b>	mg/l	5.0	0.070	1		3/5/2012 15:25	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<b>0.50</b>	mg/l	0.10	0.010	1		3/3/2012 09:33	KB	
Acetic Acid	<b>0.013J</b>	mg/l	0.070	0.0060	1		3/3/2012 09:33	KB	
Propionic Acid	<b>0.050 U</b>	mg/l	0.050	0.0070	1		3/3/2012 09:33	KB	
Butyric Acid	<b>0.050 U</b>	mg/l	0.050	0.0040	1		3/3/2012 09:33	KB	
Pyruvic Acid	<b>0.15 U</b>	mg/l	0.15	0.033	1		3/3/2012 09:33	KB	

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## ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060017  
Sample ID: MW-5-I

Date Received: 2/23/2012 11:00 Matrix: Bubble Strip  
Date Collected: 2/21/2012 15:32

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX			Analytical Method: AM20GAX						
Hydrogen	0.86	nM	0.60	0.25	1		3/6/2012 10:41	GT	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: 43060018 Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: MW-5-I Date Collected: 2/21/2012 15:32

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	16	mg/l	5.0	0.070	1		3/5/2012 15:37	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	0.76	mg/l	0.10	0.010	1		3/3/2012 10:15	KB	
Acetic Acid	0.016J	mg/l	0.070	0.0060	1		3/3/2012 10:15	KB	
Propionic Acid	0.050 U	mg/l	0.050	0.0070	1		3/3/2012 10:15	KB	
Butyric Acid	0.050 U	mg/l	0.050	0.0040	1		3/3/2012 10:15	KB	
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1		3/3/2012 10:15	KB	

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### ANALYTICAL RESULTS

Workorder: 4306 GENERAL TIME / 92112607

Lab ID: **43060019** Date Received: 2/23/2012 11:00 Matrix: Water  
 Sample ID: **MW-11-D** Date Collected: 2/21/2012 15:32

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	<b>2.3J</b>	mg/l	5.0	0.070	1		3/5/2012 15:52	GT	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<b>0.32</b>	mg/l	0.10	0.010	1		3/3/2012 10:58	KB	
Acetic Acid	<b>0.82</b>	mg/l	0.070	0.0060	1		3/3/2012 10:58	KB	
Propionic Acid	<b>0.050 U</b>	mg/l	0.050	0.0070	1		3/3/2012 10:58	KB	
Butyric Acid	<b>0.050 U</b>	mg/l	0.050	0.0040	1		3/3/2012 10:58	KB	
Pyruvic Acid	<b>0.15 U</b>	mg/l	0.15	0.033	1		3/3/2012 10:58	KB	

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 4306 GENERAL TIME / 92112607

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### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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**QUALITY CONTROL DATA**

Workorder: 4306 GENERAL TIME / 92112607

QC Batch: DISG/1930 Analysis Method: AM20GAX  
 QC Batch Method: AM20GAX  
 Associated Lab Samples: 43060001, 43060003, 43060005, 43060007

METHOD BLANK: 9168

Parameter	Units	Blank Result	Reporting Limit Qualifiers
RISK Hydrogen	nM	0.60 U	0.60

LABORATORY CONTROL SAMPLE & LCSD: 9169 9170

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
RISK Hydrogen	nM	49	45	49	93	101	80-120	8.2	20

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**QUALITY CONTROL DATA**

Workorder: 4306 GENERAL TIME / 92112607

QC Batch: EDON/1305 Analysis Method: AM23G  
 QC Batch Method: AM23G  
 Associated Lab Samples: 43060002, 43060004, 43060006, 43060008, 43060010, 43060012, 43060014, 43060016, 43060018, 43060019

METHOD BLANK: 9192

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>EDonors</b>			
Lactic Acid	mg/l	0.10 U	0.10
Acetic Acid	mg/l	0.070 U	0.070
Propionic Acid	mg/l	0.050 U	0.050
Butyric Acid	mg/l	0.050 U	0.050
Pyruvic Acid	mg/l	0.15 U	0.15

LABORATORY CONTROL SAMPLE: 9193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
<b>EDonors</b>					
Lactic Acid	mg/l	2	2.0	100	70-130
Acetic Acid	mg/l	2	2.0	101	70-130
Propionic Acid	mg/l	2	2.0	100	70-130
Butyric Acid	mg/l	2	1.9	97	70-130
Pyruvic Acid	mg/l	2	2.2	109	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 9194 9195 Original: 42980002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD Qualifiers
<b>EDonors</b>										
Lactic Acid	mg/l	0.028	2	2.0	2.0	99	101	70-130	2	30
Acetic Acid	mg/l	0.0062	2	2.0	2.1	100	103	70-130	3	30
Propionic Acid	mg/l	0	2	2.0	2.1	98	103	70-130	5	30
Butyric Acid	mg/l	0	2	1.9	2.0	95	101	70-130	6.1	30
Pyruvic Acid	mg/l	0	2	2.0	2.1	101	103	70-130	2	30

**CERTIFICATE OF ANALYSIS**

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Microseeps, Inc  
 220 William Pitt Way  
 Pittsburgh, PA 15238  
 Phone: (412) 826-5245  
 Fax: (412) 826-3433

**QUALITY CONTROL DATA**

Workorder: 4306 GENERAL TIME / 92112607

QC Batch: DISG/1932 Analysis Method: AM20GAX  
 QC Batch Method: AM20GAX  
 Associated Lab Samples: 43060002, 43060004, 43060006, 43060008, 43060010, 43060012, 43060014, 43060016, 43060018, 43060019

METHOD BLANK: 9207

Parameter	Units	Blank Result	Reporting Limit Qualifiers
RISK Carbon Dioxide	mg/l	5.0 U	5.0

LABORATORY CONTROL SAMPLE & LCSD: 9209 9211

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
RISK Carbon Dioxide	mg/l	130	130	130	102	101	80-120	0.99	20

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Microseeps, Inc  
 220 William Pitt Way  
 Pittsburgh, PA 15238  
 Phone: (412) 826-5245  
 Fax: (412) 826-3433

**QUALITY CONTROL DATA**

Workorder: 4306 GENERAL TIME / 92112607

QC Batch: DISG/1936 Analysis Method: AM20GAX  
 QC Batch Method: AM20GAX  
 Associated Lab Samples: 43060009, 43060011, 43060013, 43060015, 43060017

METHOD BLANK: 9238

Parameter	Units	Blank Result	Reporting Limit Qualifiers
RISK Hydrogen	nM	0.60 U	0.60

LABORATORY CONTROL SAMPLE & LCSD: 9239 9240

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
RISK Hydrogen	nM	49	50	51	102	105	80-120	2.9	20

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Microseeps, Inc  
220 William Pitt Way  
Pittsburgh, PA 15238  
Phone: (412) 826-5245  
Fax: (412) 826-3433

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 4306 GENERAL TIME / 92112607

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
43060001	MW-11-S			AM20GAX	DISG/1930
43060003	MW-11-I			AM20GAX	DISG/1930
43060005	MW-2-S			AM20GAX	DISG/1930
43060007	MW-2-I			AM20GAX	DISG/1930
43060002	MW-11-S			AM23G	EDON/1305
43060004	MW-11-I			AM23G	EDON/1305
43060006	MW-2-S			AM23G	EDON/1305
43060008	MW-2-I			AM23G	EDON/1305
43060010	MW-2-D			AM23G	EDON/1305
43060012	MW-9-I			AM23G	EDON/1305
43060014	MW-9-D			AM23G	EDON/1305
43060016	MW-7-I			AM23G	EDON/1305
43060018	MW-5-I			AM23G	EDON/1305
43060019	MW-11-D			AM23G	EDON/1305
43060002	MW-11-S			AM20GAX	DISG/1932
43060004	MW-11-I			AM20GAX	DISG/1932
43060006	MW-2-S			AM20GAX	DISG/1932
43060008	MW-2-I			AM20GAX	DISG/1932
43060010	MW-2-D			AM20GAX	DISG/1932
43060012	MW-9-I			AM20GAX	DISG/1932
43060014	MW-9-D			AM20GAX	DISG/1932
43060016	MW-7-I			AM20GAX	DISG/1932
43060018	MW-5-I			AM20GAX	DISG/1932
43060019	MW-11-D			AM20GAX	DISG/1932
43060009	MW-2-D			AM20GAX	DISG/1936
43060011	MW-9-I			AM20GAX	DISG/1936
43060013	MW-9-D			AM20GAX	DISG/1936
43060015	MW-7-I			AM20GAX	DISG/1936
43060017	MW-5-I			AM20GAX	DISG/1936

#### CERTIFICATE OF ANALYSIS

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4306

# Chain of Custody



Workorder: 92112607      Workorder Name: GENERAL TIME      Results Requested 3/7/2012

Report / Invoice To

Subcontract To

Requested Analysis

Bonnie McKee  
 Pace Analytical Charlotte  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 Phone (704)875-9092  
 Email: bonnie.mckee@pacelabs.com

P.O. CHS1117  
 Microseps

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers			LAB USE ONLY
					H2SO4	Unpreserved	Other	
1	MW-11-S	2/20/2012 11:12	92112607001	Water		4		
2	MW-11-I	2/20/2012 12:31	92112607002	Water				
3	MW-2-S	2/20/2012 15:04	92112607003	Water				
4	MW-2-I	2/20/2012 16:32	92112607004	Water				
5	MW-2-D	2/21/2012 09:27	92112607005	Water				
6	MW-9-I	2/21/2012 11:19	92112607006	Water				
7	MW-9-D	2/21/2012 12:34	92112607007	Water				
8	MW-7-I	2/21/2012 14:14	92112607008	Water				
9	MW-5-I	2/21/2012 15:32	92112607009	Water				
10	MW-11-D	2/21/2012 15:32	92112607010	Water				
11	TRIP BLANK	2/21/2012 00:00	92112607011	Water				
12								
13								
14								
15								

CO2 / CO2  
 VFA  
 Diss Hydrogen

1.8°C

Received by HhanYoung MS 2-23-12 11:00

NON-CONFORMANCE FORM

Microseeps Project Number: 4306

Date: 2-23-12 Time of Receipt: 11:00 Receiver: H. Lan Young

Client: Pace Huntersville.

REASON FOR NON-CONFORMANCE:

1. COC was not relinquished by the client.
2. Received 2 BAK-preserved vials of water samples for analysis of both CO<sub>2</sub> & LLVFA.  
White septa was correct for LLVFA but incorrect for CO<sub>2</sub>.

ACTION TAKEN:

Client name: Bonnie McKee Date: 2/23/12 Time: email

Per attached email - ok to proceed.

Customer Service Initials: RR

Date: 2/23/12

4306

**Robbin Robl**

---

**From:** Bonnie McKee [Bonnie.McKee@pacelabs.com]  
**Sent:** Thursday, February 23, 2012 3:03 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time  
**Attachments:** Bonnie McKee.vcf

That's what I figured. Ok proceed.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 2/23/2012 2:58 PM >>>

Ok - if this is for Geo Lab, we sent them vials for CO2 and separate vials for LLVFA's. Looks like they may have gotten confused.

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Thursday, February 23, 2012 2:51 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Robbin,

I had you guys fill this order for me and ship it direct to my client. Can you see what you sent them? I'm trying to figure out if they sampled wrong, or received the wrong thing.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 2/23/2012 2:46 PM >>>

We received BAK preserved vials, however they are the LLVFA vials with the light colored septa - not the dark gray septa for the CO2.

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Thursday, February 23, 2012 2:40 PM  
**To:** Robbin Robl  
**Subject:** Re: General Time

4306

What containers did you receive for CO2?

Bonnie McKee

Pace Analytical-Project Manager

9800 Kincey Ave Suite 100

Huntersville, NC 28078

Phone 704.875.9092 x 234 / Fax 704.875.9091

[www.pacelabs.com](http://www.pacelabs.com)

Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 2/23/2012 2:35 PM >>>

Hi Bonnie,

We received your project General Time today. The sample containers for the LLVFA's and the CO2 were sent with correct BAK preservative, however, the CO2 was received with the wrong septa. With your permission, we can perform the analysis, however there is a chance that the sample result may be biased low.

I would appreciate it if you can please let me know how to proceed with this project.

Thank you!

Robbin

Robbin Robl

Microseeps, Inc.

220 William Pitt Way

Pittsburgh, PA 15238

Phone: 412-826-5245

Fax: 412-826-3433

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# Cooler Receipt Form

Client Name: Pace Asheville Project: 92112 6071 Lab Work Order: 4306

*General Time*

**A. Shipping/Container Information** (circle appropriate response)

Courier:  FedEx UPS USPS Client Other: \_\_\_\_\_ Air bill Present:  Yes No

Tracking Number: 7932 5822 1917

Custody Seal on Cooler/Box Present:  Yes No Seals Intact:  Yes No

Cooler/Box Packing Material:  Bubble Wrap Absorbent Foam Other: \_\_\_\_\_

Type of Ice:  Wet Blue None Ice Intact:  Yes Melted

Cooler Temperature: 1.8°C Radiation Screened: Yes  No Chain of Custody Present:  Yes No

Comments: \_\_\_\_\_

**B. Laboratory Assignment/Log-in** (check appropriate response)

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out		✓		
Chain of Custody relinquished		✓		
Sampler Name & Signature on COC		✓		
Containers intact	✓			
Were samples in separate bags		✓		
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided	✓			
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments: \_\_\_\_\_

Cooler contents examined/received by: HLY Date: 2-23-12

Project Manager Review: PR Date: 2/24/12



www.facelabs.com

# CHAIN-OF-CUSTODY / Analytical Request Document

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

<b>Section A</b> Required Client Information: Company: <b>HALEY &amp; ALDRICH</b> Address: <b>33 MARKET PLACE DR</b> <b>GREENVILLE SC 29607</b> Email To: <b>BRAD.WES@HALEYALDRICH.COM</b> Phone: <b>864-539-0400</b> Fax: Requested Date (START):		<b>Section B</b> Required Project Information: Report To: <b>BRITNEY ARQUES</b> Copy To: Purchase Order No.: Project Name: <b>GENERAL TIME</b> Project Number: <b>3811-009</b>		<b>Section C</b> Invoice Information: Attention: Company Name: <b>HALEY &amp; ALDRICH</b> Address: Reference: Price Quote: Project Manager: Price Profile #: <b>U495-1</b>	
Regulatory Agency: <b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER		Site Location: <b>CA</b> STATE:		Page: <b>1551452</b> of	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	Matrix Code (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS
					DATE	TIME							
1	MW 11-S	WT 6	WT 6	WT 6	2/26/12	11:12	15	8	5	2	X		201
2	MW 11-E	WT 6	WT 6	WT 6	2/26/12	12:31	15	8	5	2	X		202
3	MW 11-D	WT 6	WT 6	WT 6	2/26/12	13:41	14	7	5	2	X		203
4	MW 2-S	WT 6	WT 6	WT 6	2/26/12	15:04	15	8	5	2	X		204
5	MW 2-E	WT 6	WT 6	WT 6	2/26/12	16:32	15	8	5	2	X		205
6	MW 2-D	WT 6	WT 6	WT 6	2/26/12	9:27	15	8	5	2	X		206
7	MW 9-E	WT 6	WT 6	WT 6	2/26/12	11:19	15	9	5	2	X		207
8	MW 9-D	WT 6	WT 6	WT 6	2/26/12	12:34	15	8	5	2	X		208
9	MW 7-E	WT 6	WT 6	WT 6	2/26/12	14:14	15	8	5	2	X		209
10	MW 5-E	WT 6	WT 6	WT 6	2/26/12	15:32	15	8	5	2	X		210
11	RAW	WT 6	WT 6	WT 6	2/26/12	16:20	3		3		X		211
12	RAW	WT 6	WT 6	WT 6									

ADDITIONAL COMMENTS: **Scanner Haver / SUB OR 2/21/12 1545**

RELINQUISHED BY / AFFILIATION: **Scott Horner**

DATE: **2/21/12**

TIME: **1545**

ACCEPTED BY / AFFILIATION: **Scott Horner**

DATE: **2/21/12**

TIME: **1000**

Temp in °C: **2.6**

Received on Ice (Y/N): **Y**


Custody Sealed Cooler (Y/N): **N**

Samples Intact (Y/N): **Y**

ORIGINAL

\*Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



 Pace Analytical www.pace-analytical.com	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: October 19, 2011 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.07	Issuing Authorities: Pace Asheville Quality Office

Client Name: Haley Aldrich Project # 92112607

Where Received:  Huntersville  Asheville  Eden

Courier (Circle):  Fed Ex  UPS  USPS  Client  Commercial  Pace Other  Optional

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Circle Thermometer Used: IR Gun#2 -80344039    Type of Ice:  Wet  Blue  None  Samples on ice, cooling process has begun

IR Gun Back Up - 111565135

Temp Correction Factor: Add / Subtract 0.2 C

Corrected Cooler Temp.: 26/2.7 C    Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C    Comments: \_\_\_\_\_

Date and Initials of person examining contents: 2/22/12 RP

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>NO3, NO2</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9. <u>→ sulfides are in unpreserved containers. Preserved in the lab.</u>
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>WT</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: <u>VOA</u> , coliform, <u>TOC</u> O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: BKM Date: 2/22/12 SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_

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

March 14, 2012

Ms. Britney Barnes  
Haley & Aldrich  
33 Market Point Drive  
Greenville, SC 29607

RE: Project: General Time 38111-004  
Pace Project No.: 92112747

Dear Ms. Barnes:

Enclosed are the analytical results for sample(s) received by the laboratory on February 23, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,



Bonnie McKee

bonnie.mckee@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc..



**Pace Analytical Services, Inc.**  
 205 East Meadow Road - Suite A  
 Eden, NC 27288  
 (336)623-8921

**Pace Analytical Services, Inc.**  
 2225 Riverside Dr.  
 Asheville, NC 28804  
 (828)254-7176

**Pace Analytical Services, Inc.**  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

## CERTIFICATIONS

Project: General Time 38111-004  
 Pace Project No.: 92112747

### Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414  
 A2LA Certification #: 2926.01  
 Alaska Certification #: UST-078  
 Alaska Certification #MN00064  
 Arizona Certification #: AZ-0014  
 Arkansas Certification #: 88-0680  
 California Certification #: 01155CA  
 EPA Region 8 Certification #: Pace  
 Florida/NELAP Certification #: E87605  
 Georgia Certification #: 959  
 Idaho Certification #: MN00064  
 Illinois Certification #: 200011  
 Iowa Certification #: 368  
 Kansas Certification #: E-10167  
 Louisiana Certification #: 03086  
 Louisiana Certification #: LA080009  
 Maine Certification #: 2007029  
 Maryland Certification #: 322  
 Michigan DEQ Certification #: 9909  
 Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace  
 Montana Certification #: MT CERT0092  
 Nebraska Certification #: Pace  
 Nevada Certification #: MN\_00064  
 New Jersey Certification #: MN-002  
 New Mexico Certification #: Pace  
 New York Certification #: 11647  
 North Carolina Certification #: 530  
 North Dakota Certification #: R-036  
 North Dakota Certification #: R-036A  
 Ohio VAP Certification #: CL101  
 Oklahoma Certification #: D9921  
 Oklahoma Certification #: 9507  
 Oregon Certification #: MN200001  
 Pennsylvania Certification #: 68-00563  
 Puerto Rico Certification  
 Tennessee Certification #: 02818  
 Texas Certification #: T104704192  
 Washington Certification #: C754  
 Wisconsin Certification #: 999407970

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
 North Carolina Drinking Water Certification #: 37706  
 North Carolina Field Services Certification #: 5342  
 North Carolina Wastewater Certification #: 12  
 South Carolina Certification #: 99006001  
 South Carolina Drinking Water Cert. #: 99006003  
 Virginia Drinking Water Certification #: 00213

Connecticut Certification #: PH-0104  
 Florida/NELAP Certification #: E87627  
 Kentucky UST Certification #: 84  
 Louisiana DHH Drinking Water # LA 100031  
 West Virginia Certification #: 357  
 Virginia/VELAP Certification #: 460144

### Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804  
 Florida/NELAP Certification #: E87648  
 Massachusetts Certification #: M-NC030  
 North Carolina Drinking Water Certification #: 37712  
 North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001  
 Virginia Certification #: 00072  
 West Virginia Certification #: 356  
 Virginia/VELAP Certification #: 460147

## REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc.  
 205 East Meadow Road - Suite A  
 Eden, NC 27288  
 (336)623-8921

Pace Analytical Services, Inc.  
 2225 Riverside Dr.  
 Asheville, NC 28804  
 (828)254-7176

Pace Analytical Services, Inc.  
 9800 Kinsey Ave. Suite 100  
 Huntersville, NC 28078  
 (704)875-9092

### SAMPLE ANALYTE COUNT

Project: General Time 38111-004

Pace Project No.: 92112747

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92112747001	RW-2	EPA 8260	KJM	9	PASI-C
92112747002	RW-4	EPA 8260	KJM	9	PASI-C
92112747003	RW-3	EPA 8260	KJM	9	PASI-C
92112747004	MW-16I	RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	9	PASI-C
		SM 3500-Fe D#4	EWS	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		RSK 175	SK4	3	PASI-M
92112747005	MW-16D	EPA 8260	KJM	9	PASI-C
		SM 3500-Fe D#4	EWS	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	9	PASI-C
92112747006	Duplicate	SM 3500-Fe D#4	EWS	1	PASI-A
		SM 4500-S2D	AES	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		RSK 175	SK4	3	PASI-M
		EPA 8260	KJM	9	PASI-C
		SM 3500-Fe D#4	EWS	1	PASI-A
92112747007	Trip Blank	SM 4500-S2D	AES	1	PASI-A
		EPA 353.2	DMN	3	PASI-A
		SM 5310B	SAE	1	PASI-A
		EPA 8260	KJM	9	PASI-C

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: General Time 38111-004

Pace Project No.: 92112747

Sample: RW-2		Lab ID: 92112747001	Collected: 02/22/12 09:02	Received: 02/23/12 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	2.6 ug/L		1.0	1		03/01/12 08:14	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 08:14	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 08:14	127-18-4	
Trichloroethene	38.9 ug/L		1.0	1		03/01/12 08:14	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 08:14	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96 %		70-130	1		03/01/12 08:14	460-00-4	
Dibromofluoromethane (S)	100 %		70-130	1		03/01/12 08:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	105 %		70-130	1		03/01/12 08:14	17060-07-0	
Toluene-d8 (S)	96 %		70-130	1		03/01/12 08:14	2037-26-5	

## ANALYTICAL RESULTS

Project: General Time 38111-004

Pace Project No.: 92112747

Sample: <b>RW-4</b>	Lab ID: <b>92112747002</b>	Collected: 02/22/12 09:58	Received: 02/23/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 08:39	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 08:39	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 08:39	127-18-4	
Trichloroethene	<b>7.6</b> ug/L		1.0	1		03/01/12 08:39	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 08:39	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96 %		70-130	1		03/01/12 08:39	460-00-4	
Dibromofluoromethane (S)	100 %		70-130	1		03/01/12 08:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	104 %		70-130	1		03/01/12 08:39	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		03/01/12 08:39	2037-26-5	



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### ANALYTICAL RESULTS

Project: General Time 38111-004  
 Pace Project No.: 92112747

Sample: RW-3		Lab ID: 92112747003	Collected: 02/22/12 10:30	Received: 02/23/12 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	768	ug/L	100	100		03/01/12 13:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	100		03/01/12 13:19	156-60-5	
Tetrachloroethene	ND	ug/L	100	100		03/01/12 13:19	127-18-4	
Trichloroethene	16300	ug/L	100	100		03/01/12 13:19	79-01-6	
Vinyl chloride	ND	ug/L	100	100		03/01/12 13:19	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95	%	70-130	100		03/01/12 13:19	460-00-4	
Dibromofluoromethane (S)	103	%	70-130	100		03/01/12 13:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	70-130	100		03/01/12 13:19	17060-07-0	
Toluene-d8 (S)	97	%	70-130	100		03/01/12 13:19	2037-26-5	



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### ANALYTICAL RESULTS

Project: General Time 38111-004  
 Pace Project No.: 92112747

Sample: MW-161	Lab ID: 92112747004	Collected: 02/22/12 12:25	Received: 02/23/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		12.4	1		02/28/12 12:22	74-84-0	
Ethene	ND ug/L		12.4	1		02/28/12 12:22	74-85-1	
Methane	35.8 ug/L		6.6	1		02/28/12 12:22	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	10600 ug/L		100	100		03/01/12 13:44	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		100	100		03/01/12 13:44	156-60-5	
Tetrachloroethene	ND ug/L		100	100		03/01/12 13:44	127-18-4	
Trichloroethene	19700 ug/L		200	200		03/02/12 17:14	79-01-6	
Vinyl chloride	164 ug/L		100	100		03/01/12 13:44	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96 %		70-130	100		03/01/12 13:44	460-00-4	
Dibromofluoromethane (S)	102 %		70-130	100		03/01/12 13:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	110 %		70-130	100		03/01/12 13:44	17060-07-0	
Toluene-d8 (S)	97 %		70-130	100		03/01/12 13:44	2037-26-5	
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		03/06/12 11:38		N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	5.8 mg/L		0.20	1		02/23/12 21:51		
Nitrogen, Nitrite	0.18 mg/L		0.10	1		02/23/12 21:51		
Nitrogen, NO2 plus NO3	6.0 mg/L		0.20	1		02/23/12 21:51		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	12.0 mg/L		1.0	1		03/05/12 19:15	7440-44-0	



## ANALYTICAL RESULTS

Project: General Time 38111-004

Pace Project No.: 92112747

Sample: MW-16D	Lab ID: 92112747005	Collected: 02/22/12 13:38	Received: 02/23/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		12.4	1		02/28/12 12:43	74-84-0	
Ethene	ND ug/L		12.4	1		02/28/12 12:43	74-85-1	
Methane	ND ug/L		6.6	1		02/28/12 12:43	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	<b>28.8</b> ug/L		1.0	1		03/01/12 09:04	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 09:04	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 09:04	127-18-4	
Trichloroethene	<b>95.9</b> ug/L		1.0	1		03/01/12 09:04	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 09:04	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-130	1		03/01/12 09:04	460-00-4	
Dibromofluoromethane (S)	100 %		70-130	1		03/01/12 09:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	106 %		70-130	1		03/01/12 09:04	17060-07-0	
Toluene-d8 (S)	97 %		70-130	1		03/01/12 09:04	2037-26-5	
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		03/06/12 11:38		N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	<b>1.2</b> mg/L		0.20	1		02/23/12 21:52		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/23/12 21:52		
Nitrogen, NO2 plus NO3	<b>1.2</b> mg/L		0.20	1		02/23/12 21:52		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	<b>1.9</b> mg/L		1.0	1		03/05/12 19:27	7440-44-0	



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### ANALYTICAL RESULTS

Project: General Time 38111-004  
 Pace Project No.: 92112747

Sample: Duplicate	Lab ID: 92112747006	Collected: 02/22/12 14:17	Received: 02/23/12 10:00	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>RSK 175 AIR Headspace</b>		Analytical Method: RSK 175						
Ethane	ND ug/L		12.4	1		02/28/12 16:43	74-84-0	
Ethene	ND ug/L		12.4	1		02/28/12 16:43	74-85-1	
Methane	ND ug/L		6.6	1		02/28/12 16:43	74-82-8	
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	28.2 ug/L		1.0	1		03/01/12 12:53	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 12:53	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 12:53	127-18-4	
Trichloroethene	90.4 ug/L		1.0	1		03/01/12 12:53	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 12:53	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94 %		70-130	1		03/01/12 12:53	460-00-4	
Dibromofluoromethane (S)	102 %		70-130	1		03/01/12 12:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	109 %		70-130	1		03/01/12 12:53	17060-07-0	
Toluene-d8 (S)	96 %		70-130	1		03/01/12 12:53	2037-26-5	
<b>Iron, Ferrous</b>		Analytical Method: SM 3500-Fe D#4						
Iron, Ferrous	ND mg/L		0.50	1		03/06/12 11:40		N2
<b>4500S2D Sulfide Water</b>		Analytical Method: SM 4500-S2D						
Sulfide	ND mg/L		0.10	1		02/25/12 16:45	18496-25-8	
<b>353.2 Nitrogen, NO2/NO3 unpres</b>		Analytical Method: EPA 353.2						
Nitrogen, Nitrate	1.2 mg/L		0.20	1		02/23/12 21:54		
Nitrogen, Nitrite	ND mg/L		0.10	1		02/23/12 21:54		
Nitrogen, NO2 plus NO3	1.2 mg/L		0.20	1		02/23/12 21:54		
<b>5310B TOC</b>		Analytical Method: SM 5310B						
Total Organic Carbon	1.8 mg/L		1.0	1		03/05/12 19:37	7440-44-0	

## ANALYTICAL RESULTS

Project: General Time 38111-004

Pace Project No.: 92112747

Sample: Trip Blank		Lab ID: 92112747007	Collected: 02/22/12 00:00	Received: 02/23/12 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
cis-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 06:06	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		03/01/12 06:06	156-60-5	
Tetrachloroethene	ND ug/L		1.0	1		03/01/12 06:06	127-18-4	
Trichloroethene	ND ug/L		1.0	1		03/01/12 06:06	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		03/01/12 06:06	75-01-4	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97 %		70-130	1		03/01/12 06:06	460-00-4	
Dibromofluoromethane (S)	97 %		70-130	1		03/01/12 06:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	96 %		70-130	1		03/01/12 06:06	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		03/01/12 06:06	2037-26-5	

### QUALITY CONTROL DATA

Project: General Time 38111-004  
Pace Project No.: 92112747

QC Batch: AIR/14337 Analysis Method: RSK 175  
QC Batch Method: RSK 175 Analysis Description: RSK 175 AIR HEADSPACE  
Associated Lab Samples: 92112747004, 92112747005, 92112747006

METHOD BLANK: 1146030 Matrix: Water  
Associated Lab Samples: 92112747004, 92112747005, 92112747006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	12.4	02/28/12 11:51	
Ethene	ug/L	ND	12.4	02/28/12 11:51	
Methane	ug/L	ND	6.6	02/28/12 11:51	

LABORATORY CONTROL SAMPLE & LCSD: 1146031

Parameter	Units	1146032								Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	
Ethane	ug/L	114	116	115	102	101	70-130	1	30	
Ethene	ug/L	106	108	106	102	100	70-130	2	30	
Methane	ug/L	60.7	61.1	61.1	101	101	70-130	.1	30	

SAMPLE DUPLICATE: 1146962

Parameter	Units	92112747004		RPD	Qualifiers
		Result	Dup Result		
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	35.8	36.8	3	

SAMPLE DUPLICATE: 1146963

Parameter	Units	92112747006		RPD	Qualifiers
		Result	Dup Result		
Ethane	ug/L	ND	ND		
Ethene	ug/L	ND	ND		
Methane	ug/L	ND	ND		

### QUALITY CONTROL DATA

Project: General Time 38111-004  
Pace Project No.: 92112747

QC Batch: MSV/18355 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level  
Associated Lab Samples: 92112747001, 92112747002, 92112747003, 92112747004, 92112747005, 92112747006, 92112747007

METHOD BLANK: 728901 Matrix: Water  
Associated Lab Samples: 92112747001, 92112747002, 92112747003, 92112747004, 92112747005, 92112747006, 92112747007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/01/12 05:41	
Tetrachloroethene	ug/L	ND	1.0	03/01/12 05:41	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/01/12 05:41	
Trichloroethene	ug/L	ND	1.0	03/01/12 05:41	
Vinyl chloride	ug/L	ND	1.0	03/01/12 05:41	
1,2-Dichloroethane-d4 (S)	%	93	70-130	03/01/12 05:41	
4-Bromofluorobenzene (S)	%	95	70-130	03/01/12 05:41	
Dibromofluoromethane (S)	%	94	70-130	03/01/12 05:41	
Toluene-d8 (S)	%	94	70-130	03/01/12 05:41	

LABORATORY CONTROL SAMPLE: 728902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	42.0	84	70-131	
Tetrachloroethene	ug/L	50	48.0	96	70-130	
trans-1,2-Dichloroethene	ug/L	50	41.7	83	70-130	
Trichloroethene	ug/L	50	49.3	99	70-130	
Vinyl chloride	ug/L	50	52.1	104	69-130	
1,2-Dichloroethane-d4 (S)	%			85	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Dibromofluoromethane (S)	%			87	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 728903 728904

Parameter	Units	92112747001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Trichloroethene	ug/L	38.9	50	50	90.1	93.9	102	110	69-151	4	
1,2-Dichloroethane-d4 (S)	%						104	103	70-130		
4-Bromofluorobenzene (S)	%						94	94	70-130		
Dibromofluoromethane (S)	%						102	99	70-130		
Toluene-d8 (S)	%						96	98	70-130		



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**QUALITY CONTROL DATA**

Project: General Time 38111-004  
 Pace Project No.: 92112747

QC Batch: WET/19968 Analysis Method: SM 3500-Fe D#4  
 QC Batch Method: SM 3500-Fe D#4 Analysis Description: Iron, Ferrous  
 Associated Lab Samples: 92112747004, 92112747005, 92112747006

METHOD BLANK: 730745 Matrix: Water  
 Associated Lab Samples: 92112747004, 92112747005, 92112747006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.50	03/06/12 11:29	N2

LABORATORY CONTROL SAMPLE: 730746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	1.5	1.5	99	90-110	N2

SAMPLE DUPLICATE: 730747

Parameter	Units	92112592013 Result	Dup Result	RPD	Qualifiers
Iron, Ferrous	mg/L	ND	ND		N2



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### QUALITY CONTROL DATA

Project: General Time 38111-004  
 Pace Project No.: 92112747

QC Batch: WET/19863 Analysis Method: SM 4500-S2D  
 QC Batch Method: SM 4500-S2D Analysis Description: 4500S2D Sulfide Water  
 Associated Lab Samples: 92112747004, 92112747005, 92112747006

METHOD BLANK: 727469 Matrix: Water  
 Associated Lab Samples: 92112747004, 92112747005, 92112747006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	0.10	02/25/12 16:45	

LABORATORY CONTROL SAMPLE: 727470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	.5	0.53	105	90-110	

MATRIX SPIKE SAMPLE: 727471

Parameter	Units	92112607001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	.5	0.59	118	75-125	

SAMPLE DUPLICATE: 727472

Parameter	Units	92112607001 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		

### QUALITY CONTROL DATA

Project: General Time 38111-004  
Pace Project No.: 92112747

QC Batch: WETA/11615 Analysis Method: EPA 353.2  
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.  
Associated Lab Samples: 92112747004, 92112747005, 92112747006

METHOD BLANK: 726804 Matrix: Water

Associated Lab Samples: 92112747004, 92112747005, 92112747006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.20	02/23/12 21:28	
Nitrogen, Nitrite	mg/L	ND	0.10	02/23/12 21:28	
Nitrogen, NO2 plus NO3	mg/L	ND	0.20	02/23/12 21:28	

LABORATORY CONTROL SAMPLE: 726805

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	5	5.2	104	90-110	
Nitrogen, Nitrite	mg/L	1	1.0	101	90-110	
Nitrogen, NO2 plus NO3	mg/L	5	5.2	104	90-110	

MATRIX SPIKE SAMPLE: 726806

Parameter	Units	92112761001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	ND	5	5.9	117	90-110	M1
Nitrogen, Nitrite	mg/L	ND	1	1.2	110	90-110	
Nitrogen, NO2 plus NO3	mg/L	ND	5	5.9	117	90-110	M1

MATRIX SPIKE SAMPLE: 726808

Parameter	Units	92112592013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	3.2	5	7.6	87	90-110	M1
Nitrogen, Nitrite	mg/L	ND	1	1.1	103	90-110	
Nitrogen, NO2 plus NO3	mg/L	3.2	5	7.6	87	90-110	M1

SAMPLE DUPLICATE: 726807

Parameter	Units	92112761001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	ND	ND		
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	ND	ND		





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205 East Meadow Road - Suite A  
Eden, NC 27288  
(336)623-8921

Pace Analytical Services, Inc.  
2225 Riverside Dr.  
Asheville, NC 28804  
(828)254-7176

Pace Analytical Services, Inc.  
9800 Kincey Ave. Suite 100  
Huntersville, NC 28078  
(704)875-9092

### QUALITY CONTROL DATA

Project: General Time 38111-004  
Pace Project No.: 92112747

SAMPLE DUPLICATE: 726809

Parameter	Units	92112592013 Result	Dup Result	RPD	Qualifiers
Nitrogen, Nitrate	mg/L	3.2	3.2	0	
Nitrogen, Nitrite	mg/L	ND	ND		
Nitrogen, NO2 plus NO3	mg/L	3.2	3.2	0	

### QUALITY CONTROL DATA

Project: General Time 38111-004  
Pace Project No.: 92112747

QC Batch: WETA/11672 Analysis Method: SM 5310B  
QC Batch Method: SM 5310B Analysis Description: 5310B TOC  
Associated Lab Samples: 92112747004, 92112747005, 92112747006

METHOD BLANK: 730404 Matrix: Water

Associated Lab Samples: 92112747004, 92112747005, 92112747006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	03/05/12 17:17	

LABORATORY CONTROL SAMPLE: 730405

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	25	23.6	94	90-110	

MATRIX SPIKE SAMPLE: 730406

Parameter	Units	92112905001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	4.9	25	28.2	93	75-125	

MATRIX SPIKE SAMPLE: 730408

Parameter	Units	92112710019 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.3	25	23.6	89	75-125	

SAMPLE DUPLICATE: 730407

Parameter	Units	92112905003 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	5.5	5.6	2	

SAMPLE DUPLICATE: 730409

Parameter	Units	92112710024 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	1.3	1.2	6	

## QUALIFIERS

Project: General Time 38111-004  
Pace Project No.: 92112747

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

### LABORATORIES

PASI-A Pace Analytical Services - Asheville  
PASI-C Pace Analytical Services - Charlotte  
PASI-M Pace Analytical Services - Minneapolis

### ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
N2 The lab does not hold TNI accreditation for this parameter.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: General Time 38111-004

Pace Project No.: 92112747

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92112747004	MW-16I	RSK 175	AIR/14337		
92112747005	MW-16D	RSK 175	AIR/14337		
92112747006	Duplicate	RSK 175	AIR/14337		
92112747001	RW-2	EPA 8260	MSV/18355		
92112747002	RW-4	EPA 8260	MSV/18355		
92112747003	RW-3	EPA 8260	MSV/18355		
92112747004	MW-16I	EPA 8260	MSV/18355		
92112747005	MW-16D	EPA 8260	MSV/18355		
92112747006	Duplicate	EPA 8260	MSV/18355		
92112747007	Trip Blank	EPA 8260	MSV/18355		
92112747004	MW-16I	SM 3500-Fe D#4	WET/19968		
92112747005	MW-16D	SM 3500-Fe D#4	WET/19968		
92112747006	Duplicate	SM 3500-Fe D#4	WET/19968		
92112747004	MW-16I	SM 4500-S2D	WET/19863		
92112747005	MW-16D	SM 4500-S2D	WET/19863		
92112747006	Duplicate	SM 4500-S2D	WET/19863		
92112747004	MW-16I	EPA 353.2	WETA/11615		
92112747005	MW-16D	EPA 353.2	WETA/11615		
92112747006	Duplicate	EPA 353.2	WETA/11615		
92112747004	MW-16I	SM 5310B	WETA/11672		
92112747005	MW-16D	SM 5310B	WETA/11672		
92112747006	Duplicate	SM 5310B	WETA/11672		



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Phone: (412) 826-5245  
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March 12, 2012

Bonnie McKee  
Pace Analytical Services  
9800 Kinsey Avenue  
Suite 100  
Huntersville, NC 28078

RE: **GENERAL TIME / 92112747**

*Microseeps Workorder: 4338*

Dear Bonnie McKee:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, February 24, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl      03/12/2012  
rrobl@microseeps.com

Enclosures

Total Number of Pages 20

Report ID: 4338 - 192792

Page 1 of 14

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## LABORATORY ACCREDITATIONS & CERTIFICATIONS

<b>Accreditor:</b>	Pennsylvania Department of Environmental Protection, Bureau of Laboratories	
<b>Accreditation ID:</b>	02-00538	
<b>Scope:</b>	NELAP Non-Potable Water and Solid & Hazardous Waste	
<b>Accreditor:</b>	NELAP: State of Florida, Department of Health, Bureau of Laboratories	
<b>Accreditation ID:</b>	E87832	
<b>Scope:</b>	Clean Water Act (CWA)	Resource Conservation and Recovery Act (RCRA)
<b>Accreditor:</b>	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification	
<b>Accreditation ID:</b>	89009003	
<b>Scope:</b>	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)	
<b>Accreditor:</b>	NELAP: State of Louisiana, Department of Environmental Quality	
<b>Accreditation ID:</b>	04104	
<b>Scope:</b>	Solid and Chemical Materials; Non-Potable Water	
<b>Accreditor:</b>	NELAP: New Jersey, Department of Environmental Protection	
<b>Accreditation ID:</b>	PA026	
<b>Scope:</b>	Non-Potable Water; Solid and Chemical Materials	
<b>Accreditor:</b>	NELAP: New York, Department of Health Wadsworth Center	
<b>Accreditation ID:</b>	11815	
<b>Scope:</b>	Non-Potable Water; Solid and Hazardous Waste	
<b>Accreditor:</b>	State of Connecticut, Department of Public Health, Division of Environmental Health	
<b>Accreditation ID:</b>	PH-0263	
<b>Scope:</b>	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)	
<b>Accreditor:</b>	NELAP: Texas, Commission on Environmental Quality	
<b>Accreditation ID:</b>	T104704453-09-TX	
<b>Scope:</b>	Non-Potable Water	
<b>Accreditor:</b>	State of New Hampshire	
<b>Accreditation ID:</b>	299409	
<b>Scope:</b>	Non-potable water	
<b>Accreditor:</b>	State of Georgia	
<b>Accreditation ID:</b>	Chapter 391-3-26	
<b>Scope:</b>	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).	

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### SAMPLE SUMMARY

Workorder: 4338 GENERAL TIME / 92112747

Lab ID	Sample ID	Matrix	Date Collected	Date Received
43380001	MW-16I	Bubble Strip	2/22/2012 12:25	2/24/2012 12:00
43380002	MW-16I	Water	2/22/2012 12:25	2/24/2012 12:00
43380003	MW-16D	Bubble Strip	2/22/2012 13:38	2/24/2012 12:00
43380004	MW-16D	Water	2/22/2012 13:38	2/24/2012 12:00
43380005	DUPLICATE	Bubble Strip	2/22/2012 14:17	2/24/2012 12:00
43380006	DUPLICATE	Water	2/22/2012 14:17	2/24/2012 12:00

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## ANALYTICAL RESULTS

Workorder: 4338 GENERAL TIME / 92112747

Lab ID: 43380001

Date Received: 2/24/2012 12:00 Matrix: Bubble Strip

Sample ID: MW-16I

Date Collected: 2/22/2012 12:25

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	6.4	nM	0.60	0.25	1		3/6/2012 11:50	GT	

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### ANALYTICAL RESULTS

Workorder: 4338 GENERAL TIME / 92112747

Lab ID: 43380002 Date Received: 2/24/2012 12:00 Matrix: Water  
 Sample ID: MW-16I Date Collected: 2/22/2012 12:25

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX		Analytical Method: AM20GAX							
Carbon Dioxide	110	mg/l	5.0	0.070	1		3/6/2012 15:56	CSc	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G		Analytical Method: AM23G							
Lactic Acid	0.30	mg/l	0.10	0.010	1		3/4/2012 04:30	KB	
Acetic Acid	0.28	mg/l	0.070	0.0060	1		3/4/2012 04:30	KB	
Propionic Acid	0.023J	mg/l	0.050	0.0070	1		3/4/2012 04:30	KB	
Butyric Acid	0.17	mg/l	0.050	0.0040	1		3/4/2012 04:30	KB	
Pyruvic Acid	0.15 U	mg/l	0.15	0.033	1		3/4/2012 04:30	KB	

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### ANALYTICAL RESULTS

Workorder: 4338 GENERAL TIME / 92112747

Lab ID: 43380003 Date Received: 2/24/2012 12:00 Matrix: Bubble Strip  
Sample ID: MW-16D Date Collected: 2/22/2012 13:38

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	6.2	nM	0.60	0.25	1		3/6/2012 12:08	GT	

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**ANALYTICAL RESULTS**

Workorder: 4338 GENERAL TIME / 92112747

Lab ID: **43380004** Date Received: 2/24/2012 12:00 Matrix: Water  
 Sample ID: **MW-16D** Date Collected: 2/22/2012 13:38

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Carbon Dioxide	<b>46</b>	mg/l	5.0	0.070	1		3/6/2012 16:07	CSc	
<b>EDonors - MICR</b>									
Analysis Desc: AM23G					Analytical Method: AM23G				
Lactic Acid	<b>0.073J</b>	mg/l	0.10	0.010	1		3/4/2012 05:12	KB	
Acetic Acid	<b>0.089</b>	mg/l	0.070	0.0060	1		3/4/2012 05:12	KB	
Propionic Acid	<b>0.0089J</b>	mg/l	0.050	0.0070	1		3/4/2012 05:12	KB	
Butyric Acid	<b>0.072</b>	mg/l	0.050	0.0040	1		3/4/2012 05:12	KB	
Pyruvic Acid	<b>0.15 U</b>	mg/l	0.15	0.033	1		3/4/2012 05:12	KB	

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## ANALYTICAL RESULTS

Workorder: 4338 GENERAL TIME / 92112747

Lab ID: 43380005 Date Received: 2/24/2012 12:00 Matrix: Bubble Strip  
Sample ID: DUPLICATE Date Collected: 2/22/2012 14:17

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>RISK - MICR</b>									
Analysis Desc: AM20GAX					Analytical Method: AM20GAX				
Hydrogen	3.8	nM	0.60	0.25	1		3/6/2012 12:28	GT	

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### ANALYTICAL RESULTS

Workorder: 4338 GENERAL TIME / 92112747

Lab ID: **43380006** Date Received: 2/24/2012 12:00 Matrix: Water  
 Sample ID: **DUPLICATE** Date Collected: 2/22/2012 14:17

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual
<b>EDonors - MICR</b>									
Analysis Desc: AM23G		Analytical Method: AM23G							
Lactic Acid	<b>0.074J</b>	mg/l	0.10	0.010	1		3/4/2012 05:54	KB	
Acetic Acid	<b>0.049J</b>	mg/l	0.070	0.0060	1		3/4/2012 05:54	KB	
Propionic Acid	<b>0.016J</b>	mg/l	0.050	0.0070	1		3/4/2012 05:54	KB	
Butyric Acid	<b>0.042J</b>	mg/l	0.050	0.0040	1		3/4/2012 05:54	KB	
Pyruvic Acid	<b>0.15 U</b>	mg/l	0.15	0.033	1		3/4/2012 05:54	KB	

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: 4338 GENERAL TIME / 92112747

---

### PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

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**QUALITY CONTROL DATA**

Workorder: 4338 GENERAL TIME / 92112747

QC Batch: EDON/1306 Analysis Method: AM23G  
 QC Batch Method: AM23G  
 Associated Lab Samples: 43380002, 43380004, 43380006

METHOD BLANK: 9202

Parameter	Units	Blank Result	Reporting Limit Qualifiers
EDonors			
Lactic Acid	mg/l	0.016J	0.10
Acetic Acid	mg/l	0.070 U	0.070
Propionic Acid	mg/l	0.050 U	0.050
Butyric Acid	mg/l	0.050 U	0.050
Pyruvic Acid	mg/l	0.15 U	0.15

LABORATORY CONTROL SAMPLE: 9203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
EDonors					
Lactic Acid	mg/l	2	1.8	92	70-130
Acetic Acid	mg/l	2	1.9	94	70-130
Propionic Acid	mg/l	2	1.9	94	70-130
Butyric Acid	mg/l	2	1.8	92	70-130
Pyruvic Acid	mg/l	2	2.0	98	70-130

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 9204 9205 Original: 43110002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD Qualifiers
EDonors										
Lactic Acid	mg/l	0.053	2	2.0	2.0	98	100	70-130	2	30
Acetic Acid	mg/l	0.015	2	2.0	2.0	101	100	70-130	1	30
Propionic Acid	mg/l	0	2	2.0	2.0	101	100	70-130	1	30
Butyric Acid	mg/l	0	2	2.0	2.0	98	98	70-130	0	30
Pyruvic Acid	mg/l	0	2	2.0	2.0	102	102	70-130	0	30

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**QUALITY CONTROL DATA**

Workorder: 4338 GENERAL TIME / 92112747

QC Batch: DISG/1936 Analysis Method: AM20GAX  
 QC Batch Method: AM20GAX  
 Associated Lab Samples: 43380001, 43380003, 43380005

METHOD BLANK: 9238

Parameter	Units	Blank Result	Reporting Limit Qualifiers
RISK Hydrogen	nM	0.60 U	0.60

LABORATORY CONTROL SAMPLE & LCSD: 9239 9240

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
RISK Hydrogen	nM	49	50	51	102	105	80-120	2.9	20

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**QUALITY CONTROL DATA**

Workorder: 4338 GENERAL TIME / 92112747

QC Batch: DISG/1937 Analysis Method: AM20GAX  
 QC Batch Method: AM20GAX  
 Associated Lab Samples: 43380002, 43380004

METHOD BLANK: 9248

Parameter	Units	Blank Result	Reporting Limit Qualifiers
RISK Carbon Dioxide	mg/l	5.0 U	5.0

LABORATORY CONTROL SAMPLE & LCSD: 9249 9250

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
RISK Carbon Dioxide	mg/l	120	130	130	110	107	80-120	2.8	20

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 4338 GENERAL TIME / 92112747

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
43380002	MW-16I			AM23G	EDON/1306
43380004	MW-16D			AM23G	EDON/1306
43380006	DUPLICATE			AM23G	EDON/1306
43380001	MW-16I			AM20GAX	DISG/1936
43380003	MW-16D			AM20GAX	DISG/1936
43380005	DUPLICATE			AM20GAX	DISG/1936
43380002	MW-16I			AM20GAX	DISG/1937
43380004	MW-16D			AM20GAX	DISG/1937

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NON-CONFORMANCE FORM

Microseeps Project Number: 4338

Date: 2-24-12 Time of Receipt: 12:00 Receiver: H. Dan Young

Client: Pace

REASON FOR NON-CONFORMANCE:

(of sample 1 & 2)

- Received 2 BAK-preserved vials<sup>✓</sup> for both CO<sub>2</sub> & LLVFA analysis: Clear septa was good for LLVFA but incorrect for CO<sub>2</sub>.

- Received only 1 BAK-preserved vial for sample 3 (Duplicate) for both CO<sub>2</sub> & LLVFA same septa issue with sample 1 & 2.

ACTION TAKEN:

Client name: Bonnie McKee

Date: 1/24/12

Time: email

OK to proceed

Per attached email - analyze for LUFA on sample 10 - DUPLICATE

see email

Customer Service Initials: RR

Date: 2/27/12

4338

**Robbin Robl**

---

**From:** Bonnie McKee [Bonnie.McKee@pacelabs.com]  
**Sent:** Wednesday, February 29, 2012 9:40 AM  
**To:** Robbin Robl  
**Subject:** RE: General Time  
**Attachments:** Bonnie McKee.vcf

Please analyze VFA on the duplicate.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 2/29/2012 9:33 AM >>>  
Ok, thanks.

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Wednesday, February 29, 2012 9:33 AM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Ok.....I'll ask my client and let you know.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
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>>> "Robbin Robl" <rrobl@microseeps.com> 2/29/2012 9:32 AM >>>  
LLVFA and CO2 are two totally separate analysis - different methods. If there were two vials, then we could run this, but we only received 1 vial for this particular sample.

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**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Wednesday, February 29, 2012 9:30 AM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Robbin,

I thought last time you were able to report both analysis from the same run?

4338

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
www.pacelabs.com  
Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 2/28/2012 9:57 AM >>>  
Hey Bonnie,

For the last General Time project, we only received one vial for both CO2 and LLVFA for your sample ID Duplicate. I would appreciate it if you can please let me know which analysis your client would prefer for this sample.

Thank you!  
Robbin

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**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Monday, February 27, 2012 4:22 PM  
**To:** Robbin Robl  
**Subject:** RE: General Time

Your welcome. Thanks for letting me know.

Bonnie McKee  
Pace Analytical-Project Manager  
9800 Kincey Ave Suite 100  
Huntersville, NC 28078  
Phone 704.875.9092 x 234 / Fax 704.875.9091  
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Customer survey at <http://www.pacelabs.com/about-us/customer-service-survey/survey.html>

>>> "Robbin Robl" <rrobl@microseeps.com> 2/27/2012 4:17 PM >>>  
Thank you!

---

**From:** Bonnie McKee [mailto:Bonnie.McKee@pacelabs.com]  
**Sent:** Monday, February 27, 2012 4:07 PM  
**To:** Robbin Robl  
**Subject:** Re: General Time

Robbin,

I don't think this will be an issue especially since we will be sampling again in a few months. Please move ahead with reporting. The C5 -C6 are not relevant to MNA or bio.

4338

Bonnie McKee

Pace Analytical-Project Manager

9800 Kinsey Ave Suite 100

Huntersville, NC 28078

Phone 704.875.9092 x 234 / Fax 704.875.9091

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>>> "Robbin Robl" <rrobl@microseeps.com> 2/27/2012 10:38 AM >>>

Good Morning Bonnie,

I have just been notified that there is an instrumentation issue with the low-level volatile fatty acids. Please see below explanation, and let me know how to proceed:

There is the potential that we will be unable to report the concentration of the heavy organic acids for the C5 & C6 compounds. Specifically, the affected acids are the pentanoic, iso-pentanoic, hexanoic and iso-hexanoic acids. We expect this problem to be resolved during the next week, but the hold time for your samples is going to be at its limit soon, so we wanted to give you the choice of either asking us to analyze the remaining acids as per normal and within hold time, or waiting until we have resolved the problems and analyzing your samples for all of the acids, even after the hold time has expired.

In reality, this is a small effect because there are very few samples which contain reportable concentrations of the C5 & C6 acids. The concentrations generally fall into the following pattern: Acetic > Propionic > Butyric > Pentanoic or iso-pentanoic > Hexanoic or iso-hexanoic so if there is little reportable propionic and no reportable butyric, it is very unlikely there are reportable concentrations of the C5 or C6 acids.

Robbin Robl

Microseeps, Inc.

220 William Pitt Way

Pittsburgh, PA 15238

Phone: 412-826-5245

Fax: 412-826-3433

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## Cooler Receipt Form

Client Name: Pace - H Project: General Time/ Lab Work Order: 4338  
92112747

**A. Shipping/Container Information (circle appropriate response)**

Courier:  FedEx UPS USPS Client Other: \_\_\_\_\_ Air bill Present:  Yes No

Tracking Number: 7932 6419 7307

Custody Seal on Cooler/Box Present:  Yes No Seals Intact:  Yes No

Cooler/Box Packing Material:  Bubble Wrap Absorbent Foam Other: \_\_\_\_\_

Type of Ice:  Wet Blue None Ice Intact:  Yes Melted

Cooler Temperature: 4.4°C Radiation Screened: Yes  No Chain of Custody Present:  Yes No

Comments: \_\_\_\_\_

**B. Laboratory Assignment/Log-in (check appropriate response)**

	YES	NO	N/A	Comment Reference non-Conformance
Chain of Custody properly filled out	✓			
Chain of Custody relinquished	✓			
Sampler Name & Signature on COC		✓		
Containers intact	✓			
Were samples in separate bags	✓			
Sample container labels match COC Sample name/date and time collected	✓			
Sufficient volume provided		✓		
Microseeps containers used	✓			
Are containers properly preserved for the requested testing? (as labeled)	✓			
If an unknown preservation state, were containers checked? Exception: VOA's coliform			✓	
Was volume for dissolved testing field filtered, as noted on the COC? Was volume received in a preserved container?			✓	

Comments: \_\_\_\_\_

Cooler contents examined/received by: HLG Date: 2-24-12

Project Manager Review: RR Date: 2/27/12







Document Name: Sample Condition Upon Receipt (SCUR)

Document Revised: October 19, 2011  
Page 1 of 2

Document No.:  
F-ASV-CS-003-rev.07

Issuing Authorities:  
Pace Asheville Quality Office

Client Name: Hunter + Aldrich Project # 92112747

Where Received:  Huntersville  Asheville  Eden

Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other

Optional  
Proj. Due Date:  
Proj. Name:

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Circle Thermometer Used: IR Gun #2 - 80344099 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

IR Gun Back Up - 111565135

Temp Correction Factor: Add Subtract 0.2 C

Corrected Cooler Temp.: 3.1 C Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: A 2/23/12

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>No</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10. <u>1 one vial Acid Breaker</u>
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>WT</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>h</u>
exceptions: <u>VOA, coliform, TOC, O&amp;G, WI-DRO (water)</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: BXM

Date: 2/23/12

SRF Review: JS

Date: 2/23/12

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