MACTEC

engineering and constructing a better tomorrow

May 31, 2006

Mr. Arne Fennel, Chief Financial Officer
Mainline Realty, LLC
11900 Sam Roper Drive
Charlotte, North Carolina 28269

Subject: **Report of Phase II Environmental Site Assessment**
Pliana, Inc. Facility
1016 and 1024 Montana Drive
Charlotte, North Carolina
MACTEC Project 6228-06-3630

Dear Mr. Fennel:

MACTEC Engineering and Consulting, Inc., (MACTEC) is pleased to provide this *Phase II Environmental Site Assessment Report* for the subject site. This work was performed as outlined in our proposal (No. Prop06chlt283, dated May 12, 2006).

Project Information

The 4.47-acre site is comprised of Tax Parcels 06915540 (1024 Montana Drive, f/k/a North I-85 Service Road) and 06915541 (1016 Montana Drive) situated along the south side of Montana Drive. The site contains a light-industrial plant with associated warehouses for storage and an administrative building.

The site is currently developed with several buildings as shown on the attached aerial photograph (Figure 1). The original 1016 Building was operated as a production facility for Chem-Tex Laboratories, Inc. (Chem-Tex) prior to 1999. Chem-Tex produced textile-cleaning products by blending and processing raw materials into finished products that were transported off site in bulk containers and smaller drummed quantities. In about 1999, Chem-Tex vacated the property and removed chemicals, processing and packaging equipment, and waste material from the site. Since 1999, Pliana, Inc. occupied the front office space of the 1016 Building and utilized the main portion of the building for storage of yarn product.

Based on the results of MACTEC's (as LAW) 1999 Phase I Environmental Update (November 5, 1999), MACTEC (as LAW) conducted a Phase II Environmental Site Assessment at the former Chemical Tex facility (1016). In 1999, analysis of soil samples collected at the 1016 site identified concentrations of Total Chromium above background levels. Concentrations of organic compounds were detected, including the presence of 2-Butanone (MEK) and Acetone at concentrations of 0.11 mg/kg and 0.66 mg/kg, respectively, as well as, trace amounts of Tetrachloroethene and 1,1,1-Trichloroethane.

In our Phase II report, (dated December 10, 1999), MACTEC recommended that groundwater at the site be sampled to assess groundwater quality relative to the state groundwater standards. MACTEC was not authorized to perform the groundwater assessment.

Later, in 2002, MACTEC completed a Phase I Environmental Site Assessment Update (report dated July 26, 2002) of both parcels. Several areas of corroded concrete flooring were observed adjacent to floor drains within the 1024 plant building. Corroded flooring beneath a vat located within the plant was also observed. In the 2002 update report, MACTEC recommended soil sampling at the 1024 parcel to assess the potential impact of chemical products to soil; and groundwater sampling at the 1016 parcel.

Soil Sampling and Analysis

On May 22, 2006, MACTEC's Mr. Dwain Snyder and MACTEC's subcontractor, Probe Technology, Inc. of Concord, North Carolina, mobilized to the site. Prior to the mobilization, MACTEC obtained a Subsurface Investigation Permit (SIP) from Mecklenburg County. A copy of the well permit is included in Attachment A.

Probe Technology advanced four soil borings, identified on Figure 1 as 1016-1, 1016-2, 1024-1 and 1024-2. The "1016" borings were advanced inside the original site building at 1016 Montana Drive. The "1024" borings were advanced inside the original site building at 1024 Montana Drive. MACTEC personnel retained one soil sample (3 to 5 feet depth) from each of the four borings for laboratory analysis. Continuous soil samples were collected at five-foot intervals in each boring using a MacroCore® sampler.

Borings 1016-2 and 1024-2 were extended to depths of 40 feet below ground surface (bgs) using a Geoprobe® Systems Model 6610DT direct-push rig, because these locations were selected for monitoring well installation.

The soil sample depths for the borings are shown in Table 1. Soil samples were submitted to Pace Analytical, Inc. (Pace) in Huntersville, North Carolina for the analysis. The 1016-series soil samples were analyzed by the laboratory for volatile organics (EPA Method 8260), total and hexavalent chromium. The 1024-series soil samples were analyzed for volatile organics (EPA Method 8260) and the eight RCRA total metals.

Groundwater Sampling and Analysis

On the same date, MACTEC personnel supervised Probe Technology, Inc. personnel as they installed monitoring wells in the boreholes 1016-2 and 1024-2 previously discussed. The well borings were advanced using a track-mounted drill rig equipped with hollow-stem augers. The wells were installed to a depth of 40 feet, since groundwater was encountered at an average depth of 30 feet at these locations. In addition, two monitoring wells (MW-1 and MW-2) were installed in well borings advanced on the southern portion of each parcel (Figure 1). The wells were constructed and sampled to assess the groundwater in the portions of the property estimated to be hydraulically downgradient from the areas of industrial activities. Wells MW-1 and MW-2 were installed to 34 and 30 feet, respectively.

Well records for each of the four wells and MACTEC's field procedures used during the site work are included as Attachments A and B, respectively.

On May 23, 2006, MACTEC personnel collected a groundwater samples from the four wells. The samples were placed on ice and delivered to Pace for analysis of volatile organics (EPA Method 6230D) and total and dissolved metals (8 RCRA). The samples designated for dissolved metals analysis were submitted to the laboratory to be filtered to remove sediment from the water samples prior to testing. Analysis of sediment-laden water samples typically result in higher metals concentrations due to the naturally-occurring metals adsorption to the sediment.

Results

The soil analytical results identified concentrations of tetrachloroethene (PCE) ranging from 7.5 to 18 parts per billion (ppb) in samples 1016-1, 1024-1 and 1024-2. The totals metals concentrations identified in the soil samples from the 1024 building were generally within the range of the "background" concentrations established during the 1999 soil assessment at the site. Elevated concentrations (i.e. above background) of total chromium ranging from 76 to 210 parts per million (ppm) were identified in samples 1016-1 and 1016-2. However, the identified concentrations did not exceed the applicable state standards. Furthermore, hexavalent chromium was not detected in these samples.

The groundwater analytical results identified concentrations of the organic solvent PCE at concentrations ranging from 51 to 150 ppb in water samples MW-1016, MW-1024, MW-1 and MW-2. The NC 2L Standard for PCE is 0.7 ppb. Trichloroethene, 1,1-Dichloroethene and 1,2 Dichloroethane were also identified at concentrations that exceeded their respective NC 2L standards.

The metals analyses performed on the groundwater samples identified dissolved arsenic (MW-1 and MW-2) and dissolved lead (MW-1016, MW-1024, MW-1 and MW-2) at concentrations that exceeded the respective NC 2L standards. Ironically, the dissolved arsenic concentrations were about 8 to 14 times higher than the total arsenic concentrations. Concentrations of total chromium and lead were identified in several groundwater samples that exceeded the NC 2L standards, but these elevated concentrations may be the result of suspended sediment in the sample.

Conclusions

- The analytical results of the soil samples 1016-1 and 1016-2 identified elevated concentrations of total chromium, but they did not exceed the applicable state standards. Furthermore, hexavalent chromium (Chromium VI) was not identified in these samples. Therefore, the identified total chromium is presumed to be Chromium III, which is less toxic than chromium VI. Furthermore, the soil analytical results identified concentrations of tetrachloroethene (PCE) ranging from 7.5 to 18 parts per billion (ppb) at the 1016 and 1024 parcels. Table 1 summarizes the soil results.

- The organic groundwater analytical results identified concentrations of the organic solvent PCE at concentrations ranging from 51 to 150 ppb in water samples MW-1016, MW-1024, MW-1 and MW-2. The NC 2L Standard for PCE is 0.7 ppb. Trichloroethene, 1,1-Dichloroethene and 1,2 Dichloroethane were also identified at concentrations that exceeded their respective NC 2L standards. Table 2 summarizes the groundwater results.

- The metals analyses performed on the groundwater samples identified dissolved arsenic (MW-1 and MW-2) and dissolved lead (MW-1016, MW-1024, MW-1 and MW-2) at concentrations that exceeded the respective NC 2L standards.

Recommendations

Based on the results of our assessment, we recommend the following:

- The soil sample 1016-2 (in storage at Pace) should be analyzed using the Toxicity Characteristic Leachability Procedure (TCLP) for Chromium to verify that it does not exceed the regulatory level of 5 mg/L for hazardous waste. If the 1016-2 sample is not analyzed within 30 days of sample collection, another sample should be collected.

- The responsible party should review the results of the assessment activities and submit them to the North Carolina Department of Environment and Natural Resources (NCDENR) review.

Closing

MACTEC appreciates this opportunity to assist you on this project.

Sincerely,

MACTEC ENGINEERING AND CONSULTING, INC.

Jimmy D. Jordan, P.G.
Project Geologist

Robert C. Foster, P.G.
Principal
Registered, NC #1335

JDJ/RCF:jew
By ANC With Permission
Attachments

TABLES

Table 1: Soil Analytical Results
Pliana, Inc.
1016 and 1024 North I-85 Service Road
Charlotte, North Carolina
MACTEC Project No.: 6228-06-3630

Analyte	Units	1016-1 (3-5')	1016-2 (3-5')	1024-1 (3-5')	1024-2 (3-5')	IHSB SRG's	Region IX PRG Ind. Soil
Arsenic	mg/kg	NA	NA	2.6	2.1	4.4	160
Barium	mg/kg	NA	NA	51	88	None	67,000
Cadmium	mg/kg	NA	NA	<0.13	<0.12	7.4	450
Chromium	mg/kg	76	210	42	22	24,000	450
Lead	mg/kg	NA	NA	11	9.8	400	800
Selenium	mg/kg	NA	NA	<0.65	<0.62	78	5,100
Silver	mg/kg	NA	NA	<0.26	<0.25	78	3,100
Mercury	mg/kg	NA	NA	0.036	0.059	4.6	310
Hexavalent Chromium	mg/kg	<6.22	<6.41	NA	NA	44	64
Tetrachloroethene	µg/kg	18	<6	7.5	11	480	1.3
Acetone	µg/kg	130	<120	<140	<130	2,800,000	54,000,000

Notes:

Prepared by: RCF 5-30-06
Checked by: AJF 5-30-06

IHSB SRG's = Inactive Hazardous Sites Branch Soil Remediation Goals, January 2006
Region IX PRG Ind. Soil - EPA Region IX Preliminary Remediation Goals for Industrial Soil, 2004
ft. bls - Feet below land surface
mg/Kg - Milligram per kilogram
µg/kg = micrograms per kilograms
Bold indicates constituent exceeds or potentially exceeds typical background concentrations or one of the listed comparison standards
NA = Not analyzed

Table 2: Groundwater Analytical Results
Pliana, Inc.
1016 and 1024 North I-85 Service Road
Charlotte, North Carolina
MACTEC Project No.: 6228-06-3630

Analyte	Units	MW-1016	MW-1024	MW-1	MW-2	NC 2L Standard
Arsenic, Total	mg/L	<0.0050	0.0064	<0.0050	<0.0050	0.05
Arsenic, Dissolved	mg/L	0.044	0.050	**0.054**	**0.07**	0.05
Barium, Total	mg/L	0.66	0.78	0.37	0.48	2.0
Barium, Dissolved	mg/L	0.016	<0.0050	0.03	0.058	2.0
Cadmium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.00175
Cadmium, Dissolved	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.00175
Chromium, Total	mg/L	**0.39**	**0.10**	**0.059**	0.013	0.05
Chromium, Dissolved	mg/L	0.0056	0.0023	0.023	0.004	0.05
Lead, Total	mg/L	**0.024**	**0.035**	0.014	**0.024**	0.015
Lead, Dissolved	mg/L	**0.059**	**0.064**	**0.059**	**0.078**	0.015
Selenium, Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.05
Selenium, Dissolved	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	0.05
Silver, Total	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	0.018
Silver, Dissolved	mg/L	0.0033	0.0032	0.0038	0.0047	0.018
Mercury, Total	mg/L	<0.00020	<0.00020	0.0013	<0.00020	0.00105
Mercury, Dissolved	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	0.00105
Tetrachlorothene	µg/L	**150**	**140**	**51**	**56**	0.7
chloroform	µg/L	2.3	3.1	1.4	0.56	70
cis-1,2-Dichloroethene	µg/L	6.7	7.5	9.0	3.4	70
Trichloroethene	µg/L	**3.1**	**3.1**	1.7	**10**	2.8
1,1-Dichloroethane	µg/L	35	<0.5	27	51	70
1,1-Dichloroethene	µg/L	**43**	<0.5	**29**	**41**	7
Diisopropyl ether	µg/L	<0.5	<0.5	6.9	2.1	70
Total Xylenes	µg/L	1.4	<0.5	<0.5	<0.5	530
1,1,1,-Trichloroethane	µg/L	8	<0.5	2.2	15	200
1,2 Dichloroethane	µg/L	<0.5	<5.0	<0.5	**2.2**	0.38

Notes:

Prepared by: RCF 5-30-06

Prepared by: AJF 5-30-06

mg/L - milligrams per liter
µg/L - micrograms per liter

Bold font indicates constituent exceeded the NC 2L Drinking Water Standard

FIGURE

EXPLANATION

- APPROXIMATE LOCATION OF SOIL BORING AND MONITORING WELL
- APPROXIMATE LOCATION OF MONITORING WELL
- APPROXIMATE LOCATION OF SOIL BORING
- 06915540 PROPERTY IDENTIFICATION NUMBER

REF.: 2004 AERIAL PHOTOGRAPH OF MECKLENBURG COUNTY, NC GIS POLARIS (PROPERTY OWNERSHIP LAND RECORDS INFORMATION SYSTEM).

MACTEC
ENGINEERING & CONSULTING, INC.
CHARLOTTE, NORTH CAROLINA

AERIAL PHOTOGRAPH

PLIANA, INC.

CHARLOTTE, NORTH CAROLINA

PREPARED BY	DATE	CHECKED	DATE	JOB NO.	FIGURE
RCF	5-26-06	JDJ	5-31-06	6228-06-3630	1

P:\AutoCAD Drawings Only\Environmental\2006\6228-06-3630 Pliana, Inc\aerial.dwg Tue, 30 May 2006 - 12:31pm mharriso

ATTACHMENT A
MECKLENBURG COUNTY SIP AND MONITORING WELL RECORDS

Mecklenburg County Health Department
Groundwater & Wastewater Services
700 N. Tryon St, Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

SUBSURFACE INVESTIGATION APPLICATION AND PERMIT

Application Information

Well Owner Information

Name of Well Owner: (•) Bill To | mainline Realty, LLC | Owner's Telephone #: 704-947-6878

Well Owner Mailing Address: 11900 Sam Roper Drive | City, State ZIP: charlotte, NC 28269

Agent Information (if different than Well Owner)

Name of Agent: ( ) Bill To | Agent's Telephone #:

Agent Address: | City, State ZIP: | Fax #:

Location

Name of Site being Investigated: 1016 Montana Drive | Parcel ID: 069-155-41

Address of Site: 1016 Montana Drive | City, State ZIP: charlotte, NC 28216

Permit

General Conditions of This Permit:

- This permit shall be VALID for a period not to exceed 12 months from the date of issuance.
- This permit is VALID for the site specified in the above application and must be on-site during the course of the investigation and made available to a Department representative upon request.
- A Certified Well Contractor that is currently registered with the Department must perform any well contractor activites associated with this permit.
- All wells shall be constructed to the standards of Chapter VI, Section V of the *Mecklenburg County Groundwater Well Rules*.
- All temporary wells must be abondoned to the standards of Chapter VI, Section VI of the *Mecklenburg County Groundwater Well Rules*.
- Registration information for all wells must be submitted to the Department within thirty (30) days of well completion.

Specific Conditions of This Permit:

Date of Issuance: **5/22/2006**

Permit Number: **70000641**

Your permit has been submitted. Please print a copy for your records.

Go To Well Registration

Mecklenburg County Health Department
Groundwater & Wastewater Services
700 N. Tryon St, Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

SUBSURFACE INVESTIGATION APPLICATION AND PERMIT

Application Information

Well Owner Information

Name of Well Owner: (•) Bill To | Mainline Realty LLC | Owner's Telephone #: 704-947-6878

Well Owner Mailing Address: 11900 Sam Roper Drive | City, State ZIP: Charlotte, NC 28269

Agent Information (if different than Well Owner)

Name of Agent: ( ) Bill To | | Agent's Telephone #:

Agent Address: | City, State ZIP: | Fax #:

Location

Name of Site being Investigated: 1024 Montana Drive | Parcel ID: 069-155-40

Address of Site: 1024 Montana Drive | City, State ZIP: charlotte, NC 28216

Permit

General Conditions of This Permit:

- This permit shall be VALID for a period not to exceed 12 months from the date of issuance.
- This permit is VALID for the site specified in the above application and must be on-site during the course of the investigation and made available to a Department representative upon request.
- A Certified Well Contractor that is currently registered with the Department must perform any well contractor activites associated with this permit.
- All wells shall be constructed to the standards of Chapter VI, Section V of the *Mecklenburg County Groundwater Well Rules*.
- All temporary wells must be abondoned to the standards of Chapter VI, Section VI of the *Mecklenburg County Groundwater Well Rules*.
- Registration information for all wells must be submitted to the Department within thirty (30) days of well completion.

Specific Conditions of This Permit:

Date of Issuance: **5/22/2006**

Permit Number: **70000638**

Your permit has been submitted. Please print a copy for your records.

Go To Well Registration

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Mike Tynan CERTIFICATION # 2725

WELL CONTRACTOR COMPANY NAME Probe Technology, Inc. PHONE # (704) 933-5538

STATE WELL CONSTRUCTION PERMIT# (if applicable) _____ ASSOCIATED WQ PERMIT# (if applicable) _____

1. WELL USE (Check Applicable Box): Residential ☐ Municipal/Public ☐ Industrial ☐ Agricultural ☐ Monitoring ☒ Recovery ☐ Heat Pump Water Injection ☐ Other ☐ If Other, List Use MW-1016

2. WELL LOCATION:
Nearest Town: Charlotte County Mecklenburg
1016 N I-85 Service Rd 28216 (Pliana)
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting
☐Ridge ☐Slope ☐Valley ☒Flat
(check appropriate box)
Latitude/longitude of well location
N 35 16.087 W 80 52.029
(degrees/minutes/seconds)
Latitude/longitude source: ☒GPS ☐Topographic map
(check box)

3. OWNER: Mainline Really, LLC
Address 11900 Sam Roper Drive
(Street or Route No.)
Charlotte NC 28269
City or Town State Zip Code
(704) - 947-6878
Area code- Phone number

DEPTH From	DEPTH To	DRILLING LOG Formation Description
See Geologist's Log		

4. DATE DRILLED 05-22-06
5. TOTAL DEPTH: 40 ft
6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
7. STATIC WATER LEVEL Below Top of Casing: 32 FT.
(Use "+" if Above Top of Casing)
8. TOP OF CASING IS 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): N/A METHOD OF TEST _____
10. WATER ZONES (depth): _____

LOCATION SKETCH
Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

11. DISINFECTION: Type None Amount _____
12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From 0	To 30	Ft.	2"	Sched 40	PVC
From	To	Ft.			
From	To	Ft.			

13. GROUT:

	Depth		Material	Method
From 0	To 26	Ft.	portland cement	gravity
From 26	To 28	Ft.	bentonite	gravity

14. SCREEN:

	Depth		Diameter		Slot Size		Material
From 30	To 40	Ft.	2"	in.	0.010	in.	PVC
From	To	Ft.		in.		in.	

15. SAND/GRAVEL PACK:

	Depth		Size	Material
From 28	To 40	Ft.	#2	silica sand
From	To	Ft.		

16. REMARKS: _____

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Michael Tynan
Digitally signed by Michael Tynan
DN: CN = Michael Tynan, C = US
Date: 2006.05.28 07:48:46 -04'00'

SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Terry White, Jr. CERTIFICATION # 3287

WELL CONTRACTOR COMPANY NAME Probe Technology, Inc. PHONE # (704) 933-5538

STATE WELL CONSTRUCTION PERMIT# (if applicable) _____ ASSOCIATED WQ PERMIT# (if applicable) _____

1. WELL USE (Check Applicable Box): Residential ☐ Municipal/Public ☐ Industrial ☐ Agricultural ☐
Monitoring ☒ Recovery ☐ Heat Pump Water Injection ☐ Other ☐ If Other, List Use MW-1024

2. WELL LOCATION:
Nearest Town: Charlotte County Mecklenburg
1016 N I-85 Service Rd 28216 (Pliana)
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting
☐Ridge ☐Slope ☐Valley ☒Flat
(check appropriate box)
Latitude/longitude of well location
N 35 16.077 W 80 52.027
(degrees/minutes/seconds)
Latitude/longitude source: ☒GPS ☐Topographic map
(check box)

3. OWNER: Mainline Really, LLC
Address 11900 Sam Roper Drive
(Street or Route No.)
Charlotte NC 28269
City or Town State Zip Code
(704)- 947-6878
Area code- Phone number

DEPTH From	DEPTH To	DRILLING LOG Formation Description
See Geologist's Log		

4. DATE DRILLED 05-22-06
5. TOTAL DEPTH: 40 ft
6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
7. STATIC WATER LEVEL Below Top of Casing: 28 FT.
(Use "+" if Above Top of Casing)
8. TOP OF CASING IS 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): N/A METHOD OF TEST _____
10. WATER ZONES (depth): _____
11. DISINFECTION: Type None Amount _____

LOCATION SKETCH
Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From 0	To 30	Ft.	2"	Sched 40	PVC
From	To	Ft.			
From	To	Ft.			

13. GROUT:

	Depth		Material	Method
From 0	To 26	Ft.	portland cement	gravity
From 26	To 28	Ft.	bentonite	gravity

14. SCREEN:

	Depth		Diameter		Slot Size		Material
From 30	To 40	Ft.	2"	in.	0.010	in.	PVC
From	To	Ft.		in.		in.	

15. SAND/GRAVEL PACK:

	Depth		Size	Material
From 28	To 40	Ft.	#2	silica sand
From	To	Ft.		

16. REMARKS: _____

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Michael Tynan
Digitally signed by Michael Tynan
DN: CN = Michael Tynan, C = US
Date: 2006.05.28 07:49:42 -04'00'

SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Terry White, Jr. CERTIFICATION # 3287

WELL CONTRACTOR COMPANY NAME Probe Technology, Inc. PHONE # (704) 933-5538

STATE WELL CONSTRUCTION PERMIT# (if applicable) _____ ASSOCIATED WQ PERMIT# (if applicable) _____

1. WELL USE (Check Applicable Box): Residential ☐ Municipal/Public ☐ Industrial ☐ Agricultural ☐ Monitoring ☒ Recovery ☐ Heat Pump Water Injection ☐ Other ☐ If Other, List Use MW-1

2. WELL LOCATION:
Nearest Town: Charlotte County Mecklenburg
1016 N I-85 Service Rd 28216 (Pliana)
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting
☐Ridge ☒Slope ☐Valley ☐Flat
(check appropriate box)
Latitude/longitude of well location
N 35 16.057 W 80 52.034
(degrees/minutes/seconds)
Latitude/longitude source: ☒GPS ☐Topographic map
(check box)

3. OWNER: Mainline Realty, LLC
Address 11900 Sam Roper Drive
(Street or Route No.)
Charlotte NC 28269
City or Town State Zip Code
(704)- 947-6878
Area code- Phone number

4. DATE DRILLED 05-22-06
5. TOTAL DEPTH: 34 ft
6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
7. STATIC WATER LEVEL Below Top of Casing: 26 FT.
(Use "+" if Above Top of Casing)
8. TOP OF CASING IS 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): N/A METHOD OF TEST _____
10. WATER ZONES (depth): _____

DEPTH From	DEPTH To	DRILLING LOG Formation Description
Not sampled		

11. DISINFECTION: Type None Amount _____
12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From 0	To 24	Ft.	2"	Sched 40	PVC
From	To	Ft.			
From	To	Ft.			

13. GROUT:

	Depth		Material	Method
From 0	To 20	Ft.	portland cement	gravity
From 20	To 22	Ft.	bentonite	gravity

14. SCREEN:

	Depth		Diameter		Slot Size		Material
From 24	To 34	Ft.	2"	in.	0.010	in.	PVC
From	To	Ft.		in.		in.	

15. SAND/GRAVEL PACK:

	Depth		Size	Material
From 22	To 34	Ft.	#2	silica sand
From	To	Ft.		

LOCATION SKETCH
Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

16. REMARKS: _____

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Michael Tynan
Digitally signed by Michael Tynan
DN: CN = Michael Tynan, C = US
Date: 2006.05.26 07:49:16 -04'00'

SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

WELL CONSTRUCTION RECORD

North Carolina - Department of Environment and Natural Resources - Division of Water Quality - Groundwater Section

WELL CONTRACTOR (INDIVIDUAL) NAME (print) Terry White, Jr. CERTIFICATION # 3287

WELL CONTRACTOR COMPANY NAME Probe Technology, Inc. PHONE # (704) 933-5538

STATE WELL CONSTRUCTION PERMIT# (if applicable) _____ ASSOCIATED WQ PERMIT# (if applicable) _____

1. WELL USE (Check Applicable Box): Residential ☐ Municipal/Public ☐ Industrial ☐ Agricultural ☐ Monitoring ☒ Recovery ☐ Heat Pump Water Injection ☐ Other ☐ If Other, List Use MW-2

2. WELL LOCATION:
Nearest Town: Charlotte County Mecklenburg
1016 N I-85 Service Rd 28216 (Pliana)
(Street Name, Numbers, Community, Subdivision, Lot No., Zip Code)

Topographic/Land setting
☐Ridge ☒Slope ☐Valley ☐Flat
(check appropriate box)
Latitude/longitude of well location
N 35 16.030 W 80 51.994
(degrees/minutes/seconds)
Latitude/longitude source: ☒GPS ☐Topographic map
(check box)

3. OWNER: Mainline Realty, LLC
Address 11900 Sam Roper Drive
(Street or Route No.)
Charlotte NC 28269
City or Town State Zip Code
(704) 947-6878
Area code- Phone number

DEPTH From	DEPTH To	DRILLING LOG Formation Description
Not sampled		

4. DATE DRILLED 05-22-06
5. TOTAL DEPTH: 30 ft
6. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
7. STATIC WATER LEVEL Below Top of Casing: 23 FT.
(Use "+" if Above Top of Casing)
8. TOP OF CASING IS 0 FT. Above Land Surface*
*Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C .0118.
9. YIELD (gpm): N/A METHOD OF TEST _____
10. WATER ZONES (depth): _____
11. DISINFECTION: Type None Amount _____
12. CASING:

	Depth		Diameter	Wall Thickness or Weight/Ft.	Material
From 0	To 20	Ft.	2"	Sched 40	PVC
From _____	To _____	Ft.	_____	_____	_____
From _____	To _____	Ft.	_____	_____	_____

13. GROUT:

	Depth		Material	Method
From 0	To 16	Ft.	portland cement	gravity
From 16	To 18	Ft.	bentonite	gravity

14. SCREEN:

	Depth		Diameter		Slot Size		Material
From 20	To 30	Ft.	2"	in.	0.010	in.	PVC
From _____	To _____	Ft.	_____	in.	_____	in.	_____

15. SAND GRAVEL PACK:

	Depth		Size	Material
From 18	To 30	Ft.	#2	silica sand
From _____	To _____	Ft.	_____	_____

LOCATION SKETCH
Show direction and distance in miles from at least two State Roads or County Roads. Include the road numbers and common road names.

16. REMARKS: _____

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Michael Tynan Digitally signed by Michael Tynan DN: CN = Michael Tynan, C = US Date: 2006.05.28 07:50:07 -04'00'

SIGNATURE OF PERSON CONSTRUCTING THE WELL DATE

Submit the original to the Division of Water Quality, Groundwater Section, 1636 Mail Service Center - Raleigh, NC 27699-1636 Phone No. (919) 733-3221, within 30 days.

GW-1 REV. 07/2001

ATTACHMENT B
FIELD PROCEDURES

FIELD PROCEDURES

The field procedures used in the performance of MACTEC's work are as follows:

Soil Borings/Soil Sampling

Soil samples were collected from borings using Direct Push Technology employing stainless-steel core barrels to advance the borehole. In the boring, continuous soil samples were obtained in five-foot lengths with a stainless-steel sampling tube and disposable acetate tube liners.

The soil samples were placed in laboratory-prepared sample containers, marked with a unique identifying number, placed on ice in a sample cooler, and delivered to Pace Analytical, Inc. (Pace), a North Carolina certified laboratory, located in Huntersville, North Carolina for analysis. The samples were maintained under chain-of-custody protocol.

Well Installation Activities

MACTEC's subcontractor installed Type II two-inch diameter wells for collection of groundwater samples. To reduce the potential for cross-contamination, drilling personnel steam-cleaned down-hole drilling equipment prior to drilling each well boring.

The wells consisted of 2-inch diameter PVC pipe (schedule 40 with flush-threaded joints) inserted into an 8-inch diameter borehole. The bottom section of the well was a manufactured well screen with 0.010-inch slots. Washed sand backfill was placed around the outside of the pipe to at least 1-foot above the top of the well screen. The sand backfill was used to stabilize the formation and to help yield a less turbid groundwater sample. Wetted bentonite was placed above the sand backfill to seal the borehole. The remaining annulus of the borehole was backfilled with cement to land surface. A flush-mounted steel manhole cover was installed at each well location to provide access to the well casing and protection from vehicular and pedestrian traffic.

Monitoring Well Groundwater Sampling

A MACTEC representative developed the monitoring wells by bailing until the water's turbidity was reduced. The water level was measured with an electric water level indicator to determine depth to the water surface from the top of the PVC riser pipe. The measured water depth was used in conjunction with the total casing depth to determine the height of the water column and the volume of water in the monitoring well.

Prior to sampling, a MACTEC field representative purged the well of at least three casing volumes of water. A groundwater sample was collected using a disposable Teflon bailer. After sampling, MACTEC placed the containers on ice for delivery to the laboratory. MACTEC maintained appropriate chain-of-custody records for the sample.

ATTACHMENT C
LABORATORY REPORTS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

May 26, 2006

Mr. Rob Foster
Mactec
2801 Yorkmont Road
Suite 100
Charlotte, NC 28208

RCF reviewed may 30, 2006

RE: Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Dear Mr. Foster:

Enclosed are the analytical results for sample(s) received by the laboratory on May 22, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

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

Sincerely,

Teresa Adams for

Annette Scott
Annette.Scott@pacelabs.com
Project Manager

Enclosures

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Solid results are reported on a dry weight basis

Lab Sample No: 927008698 Project Sample Number: 92119805-001 Date Collected: 05/22/06 09:40
Client Sample ID: 1024-1 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals, Trace ICP	Prep/Method: EPA 3050 / EPA 6010								
Arsenic	2.6	mg/kg	0.65	1.3	05/25/06 22:07	SAJ	7440-38-2		
Barium	51.	mg/kg	0.65	1.3	05/25/06 22:07	SAJ	7440-39-3		
Cadmium	ND	mg/kg	0.13	1.3	05/25/06 22:07	SAJ	7440-43-9		
Chromium	42.	mg/kg	0.26	1.3	05/25/06 22:07	SAJ	7440-47-3		
Lead	11.	mg/kg	0.65	1.3	05/25/06 22:07	SAJ	7439-92-1		
Selenium	ND	mg/kg	0.65	1.3	05/25/06 22:07	SAJ	7782-49-2		
Silver	ND	mg/kg	0.26	1.3	05/25/06 22:07	SAJ	7440-22-4		
Date Digested	05/24/06 20:10				05/24/06 20:10				
Mercury, CVAAS, in Soil	Method: EPA 7471								
Mercury	0.036	mg/kg	0.0056	1.1	05/24/06 11:33	ALV	7439-97-6		
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	27.1	%		1.0	05/22/06 16:11	TNM			
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	140	1.4	05/23/06 00:49	MSF	67-64-1		
Benzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	71-43-2		
Bromobenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	108-86-1		
Bromochloromethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	74-97-5		
Bromodichloromethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	75-27-4		
Bromoform	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	75-25-2		
Bromomethane	ND	ug/kg	14.	1.4	05/23/06 00:49	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/kg	140	1.4	05/23/06 00:49	MSF	78-93-3		
n-Butylbenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	56-23-5		
Chlorobenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	108-90-7		
Chloroethane	ND	ug/kg	14.	1.4	05/23/06 00:49	MSF	75-00-3		
Chloroform	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	67-66-3		
Chloromethane	ND	ug/kg	14.	1.4	05/23/06 00:49	MSF	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	106-43-4		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008698 Project Sample Number: 92119805-001 Date Collected: 05/22/06 09:40
Client Sample ID: 1024-1 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	96-12-8		
Dibromochloromethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	106-93-4		
Dibromomethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	14.	1.4	05/23/06 00:49	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	108-20-3		
Ethylbenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	87-68-3		
2-Hexanone	ND	ug/kg	69.	1.4	05/23/06 00:49	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	99-87-6		
Methylene chloride	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	69.	1.4	05/23/06 00:49	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	1634-04-4		
Naphthalene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	91-20-3		
n-Propylbenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	103-65-1		
Styrene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	79-34-5		
Tetrachloroethene	7.5	ug/kg	6.9	1.4	05/23/06 00:49	MSF	127-18-4		
Toluene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	79-00-5		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008698 Project Sample Number: 92119805-001 Date Collected: 05/22/06 09:40
Client Sample ID: 1024-1 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Trichloroethene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	108-67-8		
Vinyl acetate	ND	ug/kg	69.	1.4	05/23/06 00:49	MSF	108-05-4		
Vinyl chloride	ND	ug/kg	14.	1.4	05/23/06 00:49	MSF	75-01-4		
Xylene (Total)	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	1330-20-7		
m&p-Xylene	ND	ug/kg	14.	1.4	05/23/06 00:49	MSF			
o-Xylene	ND	ug/kg	6.9	1.4	05/23/06 00:49	MSF	95-47-6		
Toluene-d8 (S)	98	%		1.0	05/23/06 00:49	MSF	2037-26-5		
4-Bromofluorobenzene (S)	97	%		1.0	05/23/06 00:49	MSF	460-00-4		
Dibromofluoromethane (S)	94	%		1.0	05/23/06 00:49	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		1.0	05/23/06 00:49	MSF	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008706 Project Sample Number: 92119805-002 Date Collected: 05/22/06 09:50
Client Sample ID: 1024-2 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals, Trace ICP	Prep/Method: EPA 3050 / EPA 6010								
Arsenic	2.1	mg/kg	0.62	1.2	05/25/06 22:12	SAJ	7440-38-2		
Barium	88.	mg/kg	0.62	1.2	05/25/06 22:12	SAJ	7440-39-3		
Cadmium	ND	mg/kg	0.12	1.2	05/25/06 22:12	SAJ	7440-43-9		
Chromium	22.	mg/kg	0.25	1.2	05/25/06 22:12	SAJ	7440-47-3		
Lead	9.8	mg/kg	0.62	1.2	05/25/06 22:12	SAJ	7439-92-1		
Selenium	ND	mg/kg	0.62	1.2	05/25/06 22:12	SAJ	7782-49-2		
Silver	ND	mg/kg	0.25	1.2	05/25/06 22:12	SAJ	7440-22-4		
Date Digested	05/24/06 20:10				05/24/06 20:10				
Mercury, CVAAS, in Soil	Method: EPA 7471								
Mercury	0.059	mg/kg	0.0061	1.2	05/24/06 11:33	ALV	7439-97-6		
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	24.2	%		1.0	05/24/06 08:48	KDF			
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	130	1.3	05/23/06 01:04	MSF	67-64-1		
Benzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	71-43-2		
Bromobenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	108-86-1		
Bromochloromethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	74-97-5		
Bromodichloromethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	75-27-4		
Bromoform	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	75-25-2		
Bromomethane	ND	ug/kg	13.	1.3	05/23/06 01:04	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/kg	130	1.3	05/23/06 01:04	MSF	78-93-3		
n-Butylbenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	56-23-5		
Chlorobenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	108-90-7		
Chloroethane	ND	ug/kg	13.	1.3	05/23/06 01:04	MSF	75-00-3		
Chloroform	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	67-66-3		
Chloromethane	ND	ug/kg	13.	1.3	05/23/06 01:04	MSF	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	96-12-8		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008706 Project Sample Number: 92119805-002 Date Collected: 05/22/06 09:50
Client Sample ID: 1024-2 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Dibromochloromethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	106-93-4		
Dibromomethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	106-46-7		
Dichlorodifluoromethane	ND	ug/kg	13.	1.3	05/23/06 01:04	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	108-20-3		
Ethylbenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	87-68-3		
2-Hexanone	ND	ug/kg	66.	1.3	05/23/06 01:04	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	99-87-6		
Methylene chloride	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	66.	1.3	05/23/06 01:04	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	1634-04-4		
Naphthalene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	91-20-3		
n-Propylbenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	103-65-1		
Styrene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	79-34-5		
Tetrachloroethene	11.	ug/kg	6.6	1.3	05/23/06 01:04	MSF	127-18-4		
Toluene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	79-00-5		
Trichloroethene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	79-01-6		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008706 Project Sample Number: 92119805-002 Date Collected: 05/22/06 09:50
Client Sample ID: 1024-2 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Trichlorofluoromethane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	108-67-8		
Vinyl acetate	ND	ug/kg	66.	1.3	05/23/06 01:04	MSF	108-05-4		
Vinyl chloride	ND	ug/kg	13.	1.3	05/23/06 01:04	MSF	75-01-4		
Xylene (Total)	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	1330-20-7		
m&p-Xylene	ND	ug/kg	13.	1.3	05/23/06 01:04	MSF			
o-Xylene	ND	ug/kg	6.6	1.3	05/23/06 01:04	MSF	95-47-6		
Toluene-d8 (S)	100	%		1.0	05/23/06 01:04	MSF	2037-26-5		
4-Bromofluorobenzene (S)	98	%		1.0	05/23/06 01:04	MSF	460-00-4		
Dibromofluoromethane (S)	90	%		1.0	05/23/06 01:04	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	86	%		1.0	05/23/06 01:04	MSF	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008714 Project Sample Number: 92119805-003 Date Collected: 05/22/06 10:35
Client Sample ID: 1016-2 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals, Trace ICP	Prep/Method: EPA 3050 / EPA 6010								
Chromium	210	mg/kg	0.23	1.1	05/25/06 22:16	SAJ	7440-47-3		
Date Digested	05/24/06 20:10				05/24/06 20:10				
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	17.0	%		1.0	05/24/06 08:48	KDF			
Chromium, Hexavalent, in Soil	Method: SM 3500-Cr D Modified								
Chromium, Hexavalent	ND	mg/kg	6.41	1.3	05/24/06 09:44	BMF	18540-29-9		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	ND	ug/kg	120	1.2	05/23/06 01:20	MSF	67-64-1		
Benzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	71-43-2		
Bromobenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	108-86-1		
Bromochloromethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	74-97-5		
Bromodichloromethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	75-27-4		
Bromoform	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	75-25-2		
Bromomethane	ND	ug/kg	12.	1.2	05/23/06 01:20	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/kg	120	1.2	05/23/06 01:20	MSF	78-93-3		
n-Butylbenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	56-23-5		
Chlorobenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	108-90-7		
Chloroethane	ND	ug/kg	12.	1.2	05/23/06 01:20	MSF	75-00-3		
Chloroform	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	67-66-3		
Chloromethane	ND	ug/kg	12.	1.2	05/23/06 01:20	MSF	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	96-12-8		
Dibromochloromethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	106-93-4		
Dibromomethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	106-46-7		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008714 Project Sample Number: 92119805-003 Date Collected: 05/22/06 10:35
Client Sample ID: 1016-2 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Dichlorodifluoromethane	ND	ug/kg	12.	1.2	05/23/06 01:20	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	108-20-3		
Ethylbenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	87-68-3		
2-Hexanone	ND	ug/kg	60.	1.2	05/23/06 01:20	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	99-87-6		
Methylene chloride	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	60.	1.2	05/23/06 01:20	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	1634-04-4		
Naphthalene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	91-20-3		
n-Propylbenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	103-65-1		
Styrene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	79-34-5		
Tetrachloroethene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	127-18-4		
Toluene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	79-00-5		
Trichloroethene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	108-67-8		
Vinyl acetate	ND	ug/kg	60.	1.2	05/23/06 01:20	MSF	108-05-4		
Vinyl chloride	ND	ug/kg	12.	1.2	05/23/06 01:20	MSF	75-01-4		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008714 Project Sample Number: 92119805-003 Date Collected: 05/22/06 10:35
Client Sample ID: 1016-2 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Xylene (Total)	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	1330-20-7		
m&p-Xylene	ND	ug/kg	12.	1.2	05/23/06 01:20	MSF			
o-Xylene	ND	ug/kg	6.0	1.2	05/23/06 01:20	MSF	95-47-6		
Toluene-d8 (S)	100	%		1.0	05/23/06 01:20	MSF	2037-26-5		
4-Bromofluorobenzene (S)	94	%		1.0	05/23/06 01:20	MSF	460-00-4		
Dibromofluoromethane (S)	89	%		1.0	05/23/06 01:20	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	85	%		1.0	05/23/06 01:20	MSF	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008722 Project Sample Number: 92119805-004 Date Collected: 05/22/06 10:50
Client Sample ID: 1016-1 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals, Trace ICP	Prep/Method: EPA 3050 / EPA 6010								
Chromium	76.	mg/kg	0.25	1.3	05/25/06 22:20	SAJ	7440-47-3		
Date Digested	05/24/06 20:10				05/24/06 20:10				
Wet Chemistry									
Percent Moisture	Method: % Moisture								
Percent Moisture	22.6	%		1.0	05/24/06 08:49	KDF			
Chromium, Hexavalent, in Soil	Method: SM 3500-Cr D Modified								
Chromium, Hexavalent	ND	mg/kg	6.22	1.2	05/24/06 09:44	BMF	18540-29-9		
GC/MS Volatiles									
GC/MS VOCs by 8260, low level	Method: EPA 8260								
Acetone	130	ug/kg	130	1.3	05/23/06 01:36	MSF	67-64-1		
Benzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	71-43-2		
Bromobenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	108-86-1		
Bromochloromethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	74-97-5		
Bromodichloromethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	75-27-4		
Bromoform	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	75-25-2		
Bromomethane	ND	ug/kg	13.	1.3	05/23/06 01:36	MSF	74-83-9		
2-Butanone (MEK)	ND	ug/kg	130	1.3	05/23/06 01:36	MSF	78-93-3		
n-Butylbenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	104-51-8		
sec-Butylbenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	135-98-8		
tert-Butylbenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	98-06-6		
Carbon tetrachloride	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	56-23-5		
Chlorobenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	108-90-7		
Chloroethane	ND	ug/kg	13.	1.3	05/23/06 01:36	MSF	75-00-3		
Chloroform	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	67-66-3		
Chloromethane	ND	ug/kg	13.	1.3	05/23/06 01:36	MSF	74-87-3		
2-Chlorotoluene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	95-49-8		
4-Chlorotoluene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	96-12-8		
Dibromochloromethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	106-93-4		
Dibromomethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	74-95-3		
1,2-Dichlorobenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	95-50-1		
1,3-Dichlorobenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	541-73-1		
1,4-Dichlorobenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	106-46-7		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008722 Project Sample Number: 92119805-004 Date Collected: 05/22/06 10:50
Client Sample ID: 1016-1 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Dichlorodifluoromethane	ND	ug/kg	13.	1.3	05/23/06 01:36	MSF	75-71-8		
1,1-Dichloroethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	75-34-3		
1,2-Dichloroethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	107-06-2		
1,1-Dichloroethene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	75-35-4		
cis-1,2-Dichloroethene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	156-59-2		
trans-1,2-Dichloroethene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	156-60-5		
1,2-Dichloropropane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	78-87-5		
1,3-Dichloropropane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	142-28-9		
2,2-Dichloropropane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	594-20-7		
1,1-Dichloropropene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	563-58-6		
cis-1,3-Dichloropropene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	10061-02-6		
Diisopropyl ether	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	108-20-3		
Ethylbenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	87-68-3		
2-Hexanone	ND	ug/kg	65.	1.3	05/23/06 01:36	MSF	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	98-82-8		
p-Isopropyltoluene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	99-87-6		
Methylene chloride	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	65.	1.3	05/23/06 01:36	MSF	108-10-1		
Methyl-tert-butyl ether	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	1634-04-4		
Naphthalene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	91-20-3		
n-Propylbenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	103-65-1		
Styrene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	79-34-5		
Tetrachloroethene	18.	ug/kg	6.5	1.3	05/23/06 01:36	MSF	127-18-4		
Toluene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	120-82-1		
1,1,1-Trichloroethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	71-55-6		
1,1,2-Trichloroethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	79-00-5		
Trichloroethene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	79-01-6		
Trichlorofluoromethane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	75-69-4		
1,2,3-Trichloropropane	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	108-67-8		
Vinyl acetate	ND	ug/kg	65.	1.3	05/23/06 01:36	MSF	108-05-4		
Vinyl chloride	ND	ug/kg	13.	1.3	05/23/06 01:36	MSF	75-01-4		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

Lab Sample No: 927008722 Project Sample Number: 92119805-004 Date Collected: 05/22/06 10:50
Client Sample ID: 1016-1 Matrix: Soil Date Received: 05/22/06 13:43

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Xylene (Total)	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	1330-20-7		
m&p-Xylene	ND	ug/kg	13.	1.3	05/23/06 01:36	MSF			
o-Xylene	ND	ug/kg	6.5	1.3	05/23/06 01:36	MSF	95-47-6		
Toluene-d8 (S)	96	%		1.0	05/23/06 01:36	MSF	2037-26-5		
4-Bromofluorobenzene (S)	86	%		1.0	05/23/06 01:36	MSF	460-00-4		
Dibromofluoromethane (S)	94	%		1.0	05/23/06 01:36	MSF	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		1.0	05/23/06 01:36	MSF	17060-07-0		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

QC Batch: 157860 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: GC/MS VOCs by 8260, low level
Associated Lab Samples: 927008698 927008706 927008714 927008722

METHOD BLANK: 927009084
Associated Lab Samples: 927008698 927008706 927008714 927008722

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.	
2-Butanone (MEK)	ug/kg	ND	100	
n-Butylbenzene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.	
2-Chlorotoluene	ug/kg	ND	5.0	
4-Chlorotoluene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

METHOD BLANK: 927009084
Associated Lab Samples: 927008698 927008706 927008714 927008722

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
Methylene chloride	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.	
Vinyl chloride	ug/kg	ND	10.	
Xylene (Total)	ug/kg	ND	5.0	
m&p-Xylene	ug/kg	ND	10.	
o-Xylene	ug/kg	ND	5.0	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

METHOD BLANK: 927009084
Associated Lab Samples: 927008698 927008706 927008714 927008722

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Toluene-d8 (S)	%	99		
4-Bromofluorobenzene (S)	%	100		
Dibromofluoromethane (S)	%	100		
1,2-Dichloroethane-d4 (S)	%	101		

LABORATORY CONTROL SAMPLE: 927009092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/kg	100.00	97.97	98	
Benzene	ug/kg	50.00	50.96	102	
Bromobenzene	ug/kg	50.00	51.52	103	
Bromochloromethane	ug/kg	50.00	50.08	100	
Bromodichloromethane	ug/kg	50.00	48.55	97	
Bromoform	ug/kg	50.00	48.77	98	
Bromomethane	ug/kg	50.00	57.42	115	
2-Butanone (MEK)	ug/kg	100.00	88.24	88	
n-Butylbenzene	ug/kg	50.00	46.16	92	
sec-Butylbenzene	ug/kg	50.00	49.97	100	
tert-Butylbenzene	ug/kg	50.00	50.35	101	
Carbon tetrachloride	ug/kg	50.00	49.63	99	
Chlorobenzene	ug/kg	50.00	49.82	100	
Chloroethane	ug/kg	50.00	48.17	96	
Chloroform	ug/kg	50.00	48.84	98	
Chloromethane	ug/kg	50.00	55.49	111	
2-Chlorotoluene	ug/kg	50.00	49.61	99	
4-Chlorotoluene	ug/kg	50.00	49.67	99	
1,2-Dibromo-3-chloropropane	ug/kg	50.00	50.08	100	
Dibromochloromethane	ug/kg	50.00	49.61	99	
1,2-Dibromoethane (EDB)	ug/kg	50.00	49.26	98	
Dibromomethane	ug/kg	50.00	49.30	99	
1,2-Dichlorobenzene	ug/kg	50.00	50.31	101	
1,3-Dichlorobenzene	ug/kg	50.00	48.81	98	
1,4-Dichlorobenzene	ug/kg	50.00	48.22	96	
Dichlorodifluoromethane	ug/kg	50.00	56.48	113	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

LABORATORY CONTROL SAMPLE: 927009092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,1-Dichloroethane	ug/kg	50.00	48.84	98	
1,2-Dichloroethane	ug/kg	50.00	46.22	92	
1,1-Dichloroethene	ug/kg	50.00	52.50	105	
cis-1,2-Dichloroethene	ug/kg	50.00	51.04	102	
trans-1,2-Dichloroethene	ug/kg	50.00	51.39	103	
1,2-Dichloropropane	ug/kg	50.00	48.40	97	
1,3-Dichloropropane	ug/kg	50.00	46.78	94	
2,2-Dichloropropane	ug/kg	50.00	48.76	98	
1,1-Dichloropropene	ug/kg	50.00	47.73	96	
cis-1,3-Dichloropropene	ug/kg	50.00	48.25	96	
trans-1,3-Dichloropropene	ug/kg	50.00	48.67	97	
Diisopropyl ether	ug/kg	50.00	48.83	98	
Ethylbenzene	ug/kg	50.00	50.99	102	
Hexachloro-1,3-butadiene	ug/kg	50.00	50.47	101	
2-Hexanone	ug/kg	100.00	91.66	92	
Isopropylbenzene (Cumene)	ug/kg	50.00	50.02	100	
p-Isopropyltoluene	ug/kg	50.00	46.41	93	
Methylene chloride	ug/kg	50.00	47.18	94	
4-Methyl-2-pentanone (MIBK)	ug/kg	100.00	91.27	91	
Methyl-tert-butyl ether	ug/kg	50.00	46.03	92	
Naphthalene	ug/kg	50.00	45.30	91	
n-Propylbenzene	ug/kg	50.00	50.50	101	
Styrene	ug/kg	50.00	50.79	102	
1,1,1,2-Tetrachloroethane	ug/kg	50.00	49.20	98	
1,1,2,2-Tetrachloroethane	ug/kg	50.00	48.61	97	
Tetrachloroethene	ug/kg	50.00	50.11	100	
Toluene	ug/kg	50.00	49.47	99	
1,2,3-Trichlorobenzene	ug/kg	50.00	51.25	103	
1,2,4-Trichlorobenzene	ug/kg	50.00	50.23	100	
1,1,1-Trichloroethane	ug/kg	50.00	48.34	97	
1,1,2-Trichloroethane	ug/kg	50.00	48.07	96	
Trichloroethene	ug/kg	50.00	48.57	97	
Trichlorofluoromethane	ug/kg	50.00	50.35	101	
1,2,3-Trichloropropane	ug/kg	50.00	44.15	88	
1,2,4-Trimethylbenzene	ug/kg	50.00	45.83	92	
1,3,5-Trimethylbenzene	ug/kg	50.00	46.24	92	
Vinyl acetate	ug/kg	100.00	93.03	93	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

LABORATORY CONTROL SAMPLE: 927009092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Vinyl chloride	ug/kg	50.00	51.53	103	
Xylene (Total)	ug/kg	150.00	148.5	99	
m&p-Xylene	ug/kg	100.00	99.54	100	
o-Xylene	ug/kg	50.00	48.98	98	
Toluene-d8 (S)				100	
4-Bromofluorobenzene (S)				101	
Dibromofluoromethane (S)				100	
1,2-Dichloroethane-d4 (S)				96	

SAMPLE DUPLICATE: 927009100

Parameter	Units	927007302 Result	DUP Result	RPD	Footnotes
Acetone	ug/kg	1800	1400	20	1
Benzene	ug/kg	ND	ND	NC	
Bromobenzene	ug/kg	ND	ND	NC	
Bromochloromethane	ug/kg	ND	ND	NC	
Bromodichloromethane	ug/kg	ND	ND	NC	
Bromoform	ug/kg	ND	ND	NC	
Bromomethane	ug/kg	ND	ND	NC	
2-Butanone (MEK)	ug/kg	ND	ND	NC	
n-Butylbenzene	ug/kg	ND	ND	NC	
sec-Butylbenzene	ug/kg	ND	ND	NC	
tert-Butylbenzene	ug/kg	ND	ND	NC	
Carbon tetrachloride	ug/kg	ND	ND	NC	
Chlorobenzene	ug/kg	ND	ND	NC	
Chloroethane	ug/kg	ND	ND	NC	
Chloroform	ug/kg	ND	ND	NC	
Chloromethane	ug/kg	ND	ND	NC	
2-Chlorotoluene	ug/kg	ND	ND	NC	
4-Chlorotoluene	ug/kg	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND	NC	
Dibromochloromethane	ug/kg	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/kg	ND	ND	NC	
Dibromomethane	ug/kg	ND	ND	NC	
1,2-Dichlorobenzene	ug/kg	ND	ND	NC	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

SAMPLE DUPLICATE: 927009100

Parameter	Units	927007302 Result	DUP Result	RPD	Footnotes
1,3-Dichlorobenzene	ug/kg	ND	ND	NC	
1,4-Dichlorobenzene	ug/kg	ND	ND	NC	
Dichlorodifluoromethane	ug/kg	ND	ND	NC	
1,1-Dichloroethane	ug/kg	ND	ND	NC	
1,2-Dichloroethane	ug/kg	ND	ND	NC	
1,1-Dichloroethene	ug/kg	ND	ND	NC	
cis-1,2-Dichloroethene	ug/kg	ND	ND	NC	
trans-1,2-Dichloroethene	ug/kg	ND	ND	NC	
1,2-Dichloropropane	ug/kg	ND	ND	NC	
1,3-Dichloropropane	ug/kg	ND	ND	NC	
2,2-Dichloropropane	ug/kg	ND	ND	NC	
1,1-Dichloropropene	ug/kg	ND	ND	NC	
cis-1,3-Dichloropropene	ug/kg	ND	ND	NC	
trans-1,3-Dichloropropene	ug/kg	ND	ND	NC	
Diisopropyl ether	ug/kg	ND	ND	NC	
Ethylbenzene	ug/kg	ND	ND	NC	
Hexachloro-1,3-butadiene	ug/kg	ND	ND	NC	
2-Hexanone	ug/kg	ND	ND	NC	
Isopropylbenzene (Cumene)	ug/kg	ND	ND	NC	
p-Isopropyltoluene	ug/kg	ND	ND	NC	
Methylene chloride	ug/kg	ND	ND	NC	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND	NC	
Methyl-tert-butyl ether	ug/kg	ND	ND	NC	
Naphthalene	ug/kg	16.00	ND	NC	
n-Propylbenzene	ug/kg	ND	ND	NC	
Styrene	ug/kg	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND	NC	
Tetrachloroethene	ug/kg	ND	ND	NC	
Toluene	ug/kg	ND	ND	NC	
1,2,3-Trichlorobenzene	ug/kg	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/kg	ND	ND	NC	
1,1,1-Trichloroethane	ug/kg	ND	ND	NC	
1,1,2-Trichloroethane	ug/kg	ND	ND	NC	
Trichloroethene	ug/kg	ND	ND	NC	
Trichlorofluoromethane	ug/kg	ND	ND	NC	
1,2,3-Trichloropropane	ug/kg	ND	ND	NC	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

SAMPLE DUPLICATE: 927009100

Parameter	Units	927007302 Result	DUP Result	RPD	Footnotes
1,2,4-Trimethylbenzene	ug/kg	ND	ND	NC	
1,3,5-Trimethylbenzene	ug/kg	ND	ND	NC	
Vinyl acetate	ug/kg	ND	ND	NC	
Vinyl chloride	ug/kg	ND	ND	NC	
Xylene (Total)	ug/kg		ND	NC	
m&p-Xylene	ug/kg	ND	ND	NC	
o-Xylene	ug/kg	ND	ND	NC	
Toluene-d8 (S)	%	87	93		
4-Bromofluorobenzene (S)	%	69	72		2
Dibromofluoromethane (S)	%	106	91		
1,2-Dichloroethane-d4 (S)	%	103	88		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

QC Batch: 157998 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: Mercury, CVAAS, in Soil
Associated Lab Samples: 927008698 927008706

METHOD BLANK: 927015420
Associated Lab Samples: 927008698 927008706

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/kg	ND	0.0050	

LABORATORY CONTROL SAMPLE: 927015438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/kg	0.0667	0.0725	109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927016600 927016618

Parameter	Units	927016337 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/kg	0.03844	0.0683	0.0792	0.0704	60	52	12	3,3

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

QC Batch: 158074
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: Metals, Trace ICP
Associated Lab Samples: 927008698 927008706 927008714 927008722

METHOD BLANK: 927018499
Associated Lab Samples: 927008698 927008706 927008714 927008722

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/kg	ND	0.50	
Barium	mg/kg	ND	0.50	
Cadmium	mg/kg	ND	0.10	
Chromium	mg/kg	ND	0.20	
Lead	mg/kg	ND	0.50	
Selenium	mg/kg	ND	0.50	
Silver	mg/kg	ND	0.20	

LABORATORY CONTROL SAMPLE: 927018507

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic	mg/kg	100.00	102.0	102	
Barium	mg/kg	100.00	96.90	97	
Cadmium	mg/kg	100.00	97.00	97	
Chromium	mg/kg	100.00	98.70	99	
Lead	mg/kg	100.00	97.90	98	
Selenium	mg/kg	100.00	103.0	103	
Silver	mg/kg	50.00	46.80	94	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927018515 927018523

Parameter	Units	926995200 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic	mg/kg	9.579	130.60	142.3	142.6	102	100	0	
Barium	mg/kg	4.383	130.60	127.8	129.6	94	94	1	
Cadmium	mg/kg	14.39	130.60	137.1	138.6	94	93	1	
Chromium	mg/kg	151.9	130.60	305.5	274.5	118	92	11	
Lead	mg/kg	3277	130.60	2624	1759	0	0	40	3,3,4

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927018515 927018523

Parameter	Units	926995200 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Selenium	mg/kg	0	130.60	135.8	138.6	104	104	2	
Silver	mg/kg	2.971	65.28	61.50	61.95	90	88	1	

SAMPLE DUPLICATE: 927018531

Parameter	Units	926996570 Result	DUP Result	RPD	Footnotes
Arsenic	mg/kg	18.00	18.00	2	
Barium	mg/kg	63.00	68.00	7	
Cadmium	mg/kg	ND	ND	NC	
Chromium	mg/kg	68.00	81.00	17	
Lead	mg/kg	4.400	5.600	24	
Selenium	mg/kg	7.700	8.500	11	
Silver	mg/kg	ND	ND	NC	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

QC Batch: 157843
QC Batch Method:
Associated Lab Samples: 927008698

Analysis Method: % Moisture
Analysis Description: Percent Moisture

SAMPLE DUPLICATE: 927008623

Parameter	Units	927007310 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	12.80	12.50	2	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

QC Batch: 158007 Analysis Method: % Moisture
QC Batch Method: Analysis Description: Percent Moisture
Associated Lab Samples: 927008706 927008714 927008722

SAMPLE DUPLICATE: 927015792

Parameter	Units	927009225 Result	DUP Result	RPD	Footnotes
Percent Moisture	%	8.600	8.200	5	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

QC Batch: 158006 Analysis Method: SM 3500-Cr D Modified
QC Batch Method: SM 3500-Cr D Modified Analysis Description: Chromium, Hexavalent, in Soil
Associated Lab Samples: 927008714 927008722

METHOD BLANK: 927015743
Associated Lab Samples: 927008714 927008722

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chromium, Hexavalent	mg/kg	ND	5.00	

LABORATORY CONTROL SAMPLE: 927015750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chromium, Hexavalent	mg/kg	50.00	47.30	95	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119805
Client Project ID: Pliana/6228-06-3630

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	Compound concentration exceeds the calibration range of the instrument (CLP E-Flag).
[2]	Low surrogate recovery was confirmed as a matrix effect by a second analysis.
[3]	The spike recovery was outside acceptance limits for the MS and /or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
[4]	The calculated RPD was outside QC acceptance limits.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical®

Page: of 0987403

Section A
Required Client Information:

Company	MACTEC
Address	2801 YORKMONT RD SUITE 100 CHARLOTTE 28208
Email To:	
Phone 704 357 8600	Fax 704 357 8638
Requested Due Date/TAT:	

Section B
Required Project Information:

Report To:	ROB FOSTER
Copy To:	
Purchase Order No.:	
Project Name:	PLIANT
Project Number:	6228-06-3630

Section C
Invoice Information:

Attention:	
Company Name:	MACTEC
Address:	ALPHARETTA
Pace Quote Reference:	
Pace Project Manager:	AS
Pace Profile #:	1931-19

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / -)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: 8260 RCRA 8 Chromium Hex Chrom	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	1024-1	SL		5/22/06	9:40				2	X									X X		92700696
2	1024-2				9:50				2	X									X X		5706
3	1016-2				10:35				3	X									X X X		5714
4	1016-1				10:50				3	X									X X X		5722
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
MACTEC	5/22/06	13:48			

SAMPLE CONDITION

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: DIANA D. SMYDER

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY): 05-22-06

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

May 31, 2006

RLF reviewed 5-31-06

Mr. Rob Foster
Mactec
2801 Yorkmont Road
Suite 100
Charlotte, NC 28208

RE: Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Dear Mr. Foster:

Enclosed are the analytical results for sample(s) received by the laboratory on May 23, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

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

Sincerely,

Annette Scott

Annette Scott
Annette.Scott@pacelabs.com
Project Manager

Enclosures

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013078 Project Sample Number: 92119888-001 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1024 Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	0.0064	mg/l	0.0050	1.0	05/26/06 15:34	SAJ	7440-38-2		
Barium	0.78	mg/l	0.0050	1.0	05/26/06 15:34	SAJ	7440-39-3		
Cadmium	ND	mg/l	0.0010	1.0	05/26/06 15:34	SAJ	7440-43-9		
Chromium	0.10	mg/l	0.0020	1.0	05/26/06 15:34	SAJ	7440-47-3		
Lead	0.035	mg/l	0.0050	1.0	05/26/06 15:34	SAJ	7439-92-1		
Selenium	ND	mg/l	0.0050	1.0	05/26/06 15:34	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	1.0	05/26/06 15:34	SAJ	7440-22-4		
Date Digested	05/24/06 15:50				05/24/06 15:50				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	ND	mg/l	0.00020	1.0	05/24/06 10:07	ALV	7439-97-6		
GC Volatiles									
GC VOCs in Water	Method: SM 6230D								
Benzene	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW	71-43-2		
Bromobenzene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	108-86-1		
Bromochloromethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	74-97-5		
Bromodichloromethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	75-27-4		
Bromoform	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	75-25-2		
Bromomethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	74-83-9		
n-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	104-51-8		
sec-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	135-98-8		
tert-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	98-06-6		
Carbon tetrachloride	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	56-23-5		
Chlorobenzene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	108-90-7		
Chloroethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	75-00-3		
Chloroform	3.1	ug/l	0.50	1.0	05/25/06 10:04	DHW	67-66-3		
Chloromethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	74-87-3		
2-Chlorotoluene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	95-49-8		
4-Chlorotoluene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	2.0	1.0	05/25/06 10:04	DHW	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	106-93-4		
Dibromomethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	10.	10.0	05/25/06 10:04	DHW	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	05/25/06 10:04	DHW	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	05/25/06 10:04	DHW	106-46-7		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013078 Project Sample Number: 92119888-001 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1024 Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Dichlorodifluoromethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	75-71-8		
1,1-Dichloroethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW	107-06-2		
1,1-Dichloroethene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	75-35-4		
cis-1,2-Dichloroethene	7.5	ug/l	0.50	1.0	05/25/06 10:04	DHW	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	156-60-5		
1,2-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	78-87-5		
1,3-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	142-28-9		
2,2-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	594-20-7		
1,1-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	10061-02-6		
Diisopropyl ether	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	108-20-3		
Ethylbenzene	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	2.0	1.0	05/25/06 10:04	DHW	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW	98-82-8		
p-Isopropyltoluene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	05/25/06 10:04	DHW	75-09-2		
Methyl-tert-butyl ether	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	1634-04-4		
Naphthalene	ND	ug/l	2.0	1.0	05/25/06 10:04	DHW	91-20-3		
n-Propylbenzene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	103-65-1		
Styrene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	79-34-5		
Tetrachloroethene	140	ug/l	5.0	10.0	05/25/06 10:04	DHW	127-18-4		
Toluene	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	2.0	1.0	05/25/06 10:04	DHW	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	2.0	1.0	05/25/06 10:04	DHW	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	79-00-5		
Trichloroethene	3.1	ug/l	0.50	1.0	05/25/06 10:04	DHW	79-01-6		
Trichlorofluoromethane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	108-67-8		
Vinyl chloride	ND	ug/l	0.50	1.0	05/25/06 10:04	DHW	75-01-4		
m&p-Xylene	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW			
o-Xylene	ND	ug/l	5.0	10.0	05/25/06 10:04	DHW	95-47-6		
1-Chloro-3-fluorobenzene (S)	122	%		1.0	05/25/06 10:04	DHW	625-98-9		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013086 Project Sample Number: 92119888-002 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1016 Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	mg/l	0.0050	1.0	05/26/06 15:38	SAJ	7440-38-2		
Barium	0.66	mg/l	0.0050	1.0	05/26/06 15:38	SAJ	7440-39-3		
Cadmium	ND	mg/l	0.0010	1.0	05/26/06 15:38	SAJ	7440-43-9		
Chromium	0.39	mg/l	0.0020	1.0	05/26/06 15:38	SAJ	7440-47-3		
Lead	0.024	mg/l	0.0050	1.0	05/26/06 15:38	SAJ	7439-92-1		
Selenium	ND	mg/l	0.0050	1.0	05/26/06 15:38	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	1.0	05/26/06 15:38	SAJ	7440-22-4		
Date Digested	05/24/06 15:50				05/24/06 15:50				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	ND	mg/l	0.00020	1.0	05/24/06 10:07	ALV	7439-97-6		
GC Volatiles									
GC VOCs in Water	Method: SM 6230D								
Benzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	71-43-2		
Bromobenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	108-86-1		
Bromochloromethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	74-97-5		
Bromodichloromethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	75-27-4		
Bromoform	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	75-25-2		
Bromomethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	74-83-9		
n-Butylbenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	104-51-8		
sec-Butylbenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	135-98-8		
tert-Butylbenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	98-06-6		
Carbon tetrachloride	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	56-23-5		
Chlorobenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	108-90-7		
Chloroethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	75-00-3		
Chloroform	2.3	ug/l	0.50	1.0	05/26/06 17:20	DHW	67-66-3		
Chloromethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	74-87-3		
2-Chlorotoluene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	95-49-8		
4-Chlorotoluene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	2.0	1.0	05/26/06 17:20	DHW	96-12-8		
Dibromochloromethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	106-93-4		
Dibromomethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	05/26/06 17:20	DHW	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	05/26/06 17:20	DHW	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	05/26/06 17:20	DHW	106-46-7		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013086 Project Sample Number: 92119888-002 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1016 Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Dichlorodifluoromethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	75-71-8		
1,1-Dichloroethane	35.	ug/l	0.50	1.0	05/26/06 17:20	DHW	75-34-3		
1,2-Dichloroethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	107-06-2		
1,1-Dichloroethene	43.	ug/l	0.50	1.0	05/26/06 17:20	DHW	75-35-4		
cis-1,2-Dichloroethene	6.7	ug/l	0.50	1.0	05/26/06 17:20	DHW	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	156-60-5		
1,2-Dichloropropane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	78-87-5		
1,3-Dichloropropane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	142-28-9		
2,2-Dichloropropane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	594-20-7		
1,1-Dichloropropene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	10061-02-6		
Diisopropyl ether	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	108-20-3		
Ethylbenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	2.0	1.0	05/26/06 17:20	DHW	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	98-82-8		
p-Isopropyltoluene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	05/26/06 17:20	DHW	75-09-2		
Methyl-tert-butyl ether	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	1634-04-4		
Naphthalene	ND	ug/l	2.0	1.0	05/26/06 17:20	DHW	91-20-3		
n-Propylbenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	103-65-1		
Styrene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	79-34-5		
Tetrachloroethene	150	ug/l	0.50	1.0	05/26/06 17:20	DHW	127-18-4	1,2,3	
Toluene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	2.0	1.0	05/26/06 17:20	DHW	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	2.0	1.0	05/26/06 17:20	DHW	120-82-1		
1,1,1-Trichloroethane	8.0	ug/l	0.50	1.0	05/26/06 17:20	DHW	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	79-00-5		
Trichloroethene	3.1	ug/l	0.50	1.0	05/26/06 17:20	DHW	79-01-6		
Trichlorofluoromethane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	108-67-8		
Vinyl chloride	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	75-01-4		
m&p-Xylene	1.4	ug/l	0.50	1.0	05/26/06 17:20	DHW			
o-Xylene	ND	ug/l	0.50	1.0	05/26/06 17:20	DHW	95-47-6		
1-Chloro-3-fluorobenzene (S)	115	%		1.0	05/26/06 17:20	DHW	625-98-9		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013144 Project Sample Number: 92119888-003 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1 Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	mg/l	0.0050	1.0	05/26/06 15:42	SAJ	7440-38-2		
Barium	0.37	mg/l	0.0050	1.0	05/26/06 15:42	SAJ	7440-39-3		
Cadmium	ND	mg/l	0.0010	1.0	05/26/06 15:42	SAJ	7440-43-9		
Chromium	0.059	mg/l	0.0020	1.0	05/26/06 15:42	SAJ	7440-47-3		
Lead	0.014	mg/l	0.0050	1.0	05/26/06 15:42	SAJ	7439-92-1		
Selenium	ND	mg/l	0.0050	1.0	05/26/06 15:42	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	1.0	05/26/06 15:42	SAJ	7440-22-4		
Date Digested	05/24/06 15:50				05/24/06 15:50				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	0.0013	mg/l	0.00020	1.0	05/24/06 10:07	ALV	7439-97-6		
GC Volatiles									
GC VOCs in Water	Method: SM 6230D								
Benzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	71-43-2		
Bromobenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	108-86-1		
Bromochloromethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	74-97-5		
Bromodichloromethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	75-27-4		
Bromoform	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	75-25-2		
Bromomethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	74-83-9		
n-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	104-51-8		
sec-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	135-98-8		
tert-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	98-06-6		
Carbon tetrachloride	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	56-23-5		
Chlorobenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	108-90-7		
Chloroethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	75-00-3		
Chloroform	1.4	ug/l	0.50	1.0	05/25/06 11:28	DHW	67-66-3		
Chloromethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	74-87-3		
2-Chlorotoluene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	95-49-8		
4-Chlorotoluene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	2.0	1.0	05/25/06 11:28	DHW	96-12-8		
Dibromochloromethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	106-93-4		
Dibromomethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	05/25/06 11:28	DHW	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	05/25/06 11:28	DHW	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	05/25/06 11:28	DHW	106-46-7		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013144 Project Sample Number: 92119888-003 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1 Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Dichlorodifluoromethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	75-71-8		
1,1-Dichloroethane	27.	ug/l	0.50	1.0	05/25/06 11:28	DHW	75-34-3		
1,2-Dichloroethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	107-06-2		
1,1-Dichloroethene	29.	ug/l	0.50	1.0	05/25/06 11:28	DHW	75-35-4		
cis-1,2-Dichloroethene	9.0	ug/l	0.50	1.0	05/25/06 11:28	DHW	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	156-60-5		
1,2-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	78-87-5		
1,3-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	142-28-9		
2,2-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	594-20-7		
1,1-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	10061-02-6		
Diisopropyl ether	6.9	ug/l	0.50	1.0	05/25/06 11:28	DHW	108-20-3		
Ethylbenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	2.0	1.0	05/25/06 11:28	DHW	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	98-82-8		
p-Isopropyltoluene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	05/25/06 11:28	DHW	75-09-2		
Methyl-tert-butyl ether	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	1634-04-4		
Naphthalene	ND	ug/l	2.0	1.0	05/25/06 11:28	DHW	91-20-3		
n-Propylbenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	103-65-1		
Styrene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	79-34-5		
Tetrachloroethene	51.	ug/l	0.50	1.0	05/25/06 11:28	DHW	127-18-4		
Toluene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	2.0	1.0	05/25/06 11:28	DHW	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	2.0	1.0	05/25/06 11:28	DHW	120-82-1		
1,1,1-Trichloroethane	2.2	ug/l	0.50	1.0	05/25/06 11:28	DHW	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	79-00-5		
Trichloroethene	1.7	ug/l	0.50	1.0	05/25/06 11:28	DHW	79-01-6		
Trichlorofluoromethane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	108-67-8		
Vinyl chloride	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	75-01-4		
m&p-Xylene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW			
o-Xylene	ND	ug/l	0.50	1.0	05/25/06 11:28	DHW	95-47-6		
1-Chloro-3-fluorobenzene (S)	112	%		1.0	05/25/06 11:28	DHW	625-98-9		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013151 Project Sample Number: 92119888-004 Date Collected: 05/23/06 00:00
Client Sample ID: MW-2 Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic	ND	mg/l	0.0050	1.0	05/26/06 15:46	SAJ	7440-38-2		
Barium	0.48	mg/l	0.0050	1.0	05/26/06 15:46	SAJ	7440-39-3		
Cadmium	ND	mg/l	0.0010	1.0	05/26/06 15:46	SAJ	7440-43-9		
Chromium	0.013	mg/l	0.0020	1.0	05/26/06 15:46	SAJ	7440-47-3		
Lead	0.024	mg/l	0.0050	1.0	05/26/06 15:46	SAJ	7439-92-1		
Selenium	ND	mg/l	0.0050	1.0	05/26/06 15:46	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	1.0	05/26/06 15:46	SAJ	7440-22-4		
Date Digested	05/24/06 15:50				05/24/06 15:50				
Mercury, CVAAS, in Water	Method: EPA 7470								
Mercury	ND	mg/l	0.00020	1.0	05/24/06 10:07	ALV	7439-97-6		
GC Volatiles									
GC VOCs in Water	Method: SM 6230D								
Benzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	71-43-2		
Bromobenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	108-86-1		
Bromochloromethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	74-97-5		
Bromodichloromethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	75-27-4		
Bromoform	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	75-25-2		
Bromomethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	74-83-9		
n-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	104-51-8		
sec-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	135-98-8		
tert-Butylbenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	98-06-6		
Carbon tetrachloride	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	56-23-5		
Chlorobenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	108-90-7		
Chloroethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	75-00-3		
Chloroform	0.56	ug/l	0.50	1.0	05/25/06 12:09	DHW	67-66-3		
Chloromethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	74-87-3		
2-Chlorotoluene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	95-49-8		
4-Chlorotoluene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	2.0	1.0	05/25/06 12:09	DHW	96-12-8		
Dibromochloromethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	106-93-4		
Dibromomethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	1.0	1.0	05/25/06 12:09	DHW	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	1.0	1.0	05/25/06 12:09	DHW	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	1.0	05/25/06 12:09	DHW	106-46-7		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013151 Project Sample Number: 92119888-004 Date Collected: 05/23/06 00:00
Client Sample ID: MW-2 Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Dichlorodifluoromethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	75-71-8		
1,1-Dichloroethane	51.	ug/l	0.50	1.0	05/25/06 12:09	DHW	75-34-3		
1,2-Dichloroethane	2.2	ug/l	0.50	1.0	05/25/06 12:09	DHW	107-06-2		
1,1-Dichloroethene	41.	ug/l	0.50	1.0	05/25/06 12:09	DHW	75-35-4		
cis-1,2-Dichloroethene	3.4	ug/l	0.50	1.0	05/25/06 12:09	DHW	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	156-60-5		
1,2-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	78-87-5		
1,3-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	142-28-9		
2,2-Dichloropropane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	594-20-7		
1,1-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	10061-02-6		
Diisopropyl ether	2.1	ug/l	0.50	1.0	05/25/06 12:09	DHW	108-20-3		
Ethylbenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	2.0	1.0	05/25/06 12:09	DHW	87-68-3		
Isopropylbenzene (Cumene)	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	98-82-8		
p-Isopropyltoluene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	99-87-6		
Methylene chloride	ND	ug/l	2.0	1.0	05/25/06 12:09	DHW	75-09-2		
Methyl-tert-butyl ether	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	1634-04-4		
Naphthalene	ND	ug/l	2.0	1.0	05/25/06 12:09	DHW	91-20-3		
n-Propylbenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	103-65-1		
Styrene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	79-34-5		
Tetrachloroethene	56.	ug/l	0.50	1.0	05/25/06 12:09	DHW	127-18-4		
Toluene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	2.0	1.0	05/25/06 12:09	DHW	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	2.0	1.0	05/25/06 12:09	DHW	120-82-1		
1,1,1-Trichloroethane	15.	ug/l	0.50	1.0	05/25/06 12:09	DHW	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	79-00-5		
Trichloroethene	10.	ug/l	0.50	1.0	05/25/06 12:09	DHW	79-01-6		
Trichlorofluoromethane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	108-67-8		
Vinyl chloride	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	75-01-4		
m&p-Xylene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW			
o-Xylene	ND	ug/l	0.50	1.0	05/25/06 12:09	DHW	95-47-6		
1-Chloro-3-fluorobenzene (S)	109	%		1.0	05/25/06 12:09	DHW	625-98-9		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013169 Project Sample Number: 92119888-005 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1024 DISSOLVED Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic, Dissolved	0.050	mg/l	0.0050	1.0	05/27/06 17:09	SHB	7440-38-2		
Barium, Dissolved	ND	mg/l	0.0050	1.0	05/27/06 17:09	SHB	7440-39-3		
Cadmium, Dissolved	ND	mg/l	0.0010	1.0	05/27/06 17:09	SHB	7440-43-9		
Chromium, Dissolved	0.0023	mg/l	0.0020	1.0	05/27/06 17:09	SHB	7440-47-3		
Lead, Dissolved	0.064	mg/l	0.0050	1.0	05/27/06 17:09	SHB	7439-92-1		
Selenium, Dissolved	ND	mg/l	0.0050	1.0	05/27/06 17:09	SHB	7782-49-2		
Silver, Dissolved	0.0032	mg/l	0.0020	1.0	05/27/06 17:09	SHB	7440-22-4		
Date Digested	05/24/06 19:05				05/24/06 19:05				
Mercury, Dissolved by CVAAS	Method: EPA 7470								
Mercury, Dissolved	ND	mg/l	0.00020	1.0	05/26/06 09:20	SHB	7439-97-6		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013177 Project Sample Number: 92119888-006 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1016 DISSOLVED Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic, Dissolved	0.044	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7440-38-2		
Barium, Dissolved	0.016	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7440-39-3		
Cadmium, Dissolved	ND	mg/l	0.0010	1.0	05/27/06 17:12	SHB	7440-43-9		
Chromium, Dissolved	0.0056	mg/l	0.0020	1.0	05/27/06 17:12	SHB	7440-47-3		
Lead, Dissolved	0.059	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7439-92-1		
Selenium, Dissolved	ND	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7782-49-2		
Silver, Dissolved	0.0033	mg/l	0.0020	1.0	05/27/06 17:12	SHB	7440-22-4		
Date Digested	05/24/06 19:05				05/24/06 19:05				
Mercury, Dissolved by CVAAS	Method: EPA 7470								
Mercury, Dissolved	ND	mg/l	0.00020	1.0	05/26/06 09:20	SHB	7439-97-6		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013185 Project Sample Number: 92119888-007 Date Collected: 05/23/06 00:00
Client Sample ID: MW-1 DISSOLVED Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic, Dissolved	0.054	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7440-38-2		
Barium, Dissolved	0.030	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7440-39-3		
Cadmium, Dissolved	ND	mg/l	0.0010	1.0	05/27/06 17:12	SHB	7440-43-9		
Chromium, Dissolved	0.023	mg/l	0.0020	1.0	05/27/06 17:12	SHB	7440-47-3		
Lead, Dissolved	0.059	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7439-92-1		
Selenium, Dissolved	ND	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7782-49-2		
Silver, Dissolved	0.0038	mg/l	0.0020	1.0	05/27/06 17:12	SHB	7440-22-4		
Date Digested	05/24/06 19:05				05/24/06 19:05				
Mercury, Dissolved by CVAAS	Method: EPA 7470								
Mercury, Dissolved	ND	mg/l	0.00020	1.0	05/26/06 09:20	SHB	7439-97-6		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

Lab Sample No: 927013193 Project Sample Number: 92119888-008 Date Collected: 05/23/06 00:00
Client Sample ID: MW-2 DISSOLVED Matrix: Water Date Received: 05/23/06 14:02

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
Metals									
Dissolved Metals, Trace ICP	Prep/Method: EPA 3010 / EPA 6010								
Arsenic, Dissolved	0.070	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7440-38-2		
Barium, Dissolved	0.058	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7440-39-3		
Cadmium, Dissolved	ND	mg/l	0.0010	1.0	05/27/06 17:12	SHB	7440-43-9		
Chromium, Dissolved	0.0040	mg/l	0.0020	1.0	05/27/06 17:12	SHB	7440-47-3		
Lead, Dissolved	0.078	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7439-92-1		
Selenium, Dissolved	ND	mg/l	0.0050	1.0	05/27/06 17:12	SHB	7782-49-2		
Silver, Dissolved	0.0047	mg/l	0.0020	1.0	05/27/06 17:12	SHB	7440-22-4		
Date Digested	05/24/06 19:05				05/24/06 19:05				
Mercury, Dissolved by CVAAS	Method: EPA 7470								
Mercury, Dissolved	ND	mg/l	0.00020	1.0	05/26/06 09:20	SHB	7439-97-6		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

PARAMETER FOOTNOTES

Dilution factor shown represents the factor applied to the reported result and reporting limit due to changes in sample preparation, dilution of the extract, or moisture content

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	Compound concentration exceeds the calibration range of the instrument (CLP E-Flag).
[2]	Insufficient sample available for re-analysis.
[3]	Sample re-analysis confirmed the sample is not homogeneous.

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

QC Batch: 158070 Analysis Method: SM 6230D
QC Batch Method: SM 6230D Analysis Description: GC VOCs in Water
Associated Lab Samples: 927013078 927013086 927013144 927013151

METHOD BLANK: 927018150
Associated Lab Samples: 927013078 927013086 927013144 927013151

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Benzene	ug/l	ND	0.50	
Bromobenzene	ug/l	ND	0.50	
Bromochloromethane	ug/l	ND	0.50	
Bromodichloromethane	ug/l	ND	0.50	
Bromoform	ug/l	ND	0.50	
Bromomethane	ug/l	ND	0.50	
n-Butylbenzene	ug/l	ND	0.50	
sec-Butylbenzene	ug/l	ND	0.50	
tert-Butylbenzene	ug/l	ND	0.50	
Carbon tetrachloride	ug/l	ND	0.50	
Chlorobenzene	ug/l	ND	0.50	
Chloroethane	ug/l	ND	0.50	
Chloroform	ug/l	ND	0.50	
Chloromethane	ug/l	ND	0.50	
2-Chlorotoluene	ug/l	ND	0.50	
4-Chlorotoluene	ug/l	ND	0.50	
1,2-Dibromo-3-chloropropane	ug/l	ND	2.0	
Dibromochloromethane	ug/l	ND	0.50	
1,2-Dibromoethane (EDB)	ug/l	ND	0.50	
Dibromomethane	ug/l	ND	0.50	
1,2-Dichlorobenzene	ug/l	ND	1.0	
1,3-Dichlorobenzene	ug/l	ND	1.0	
1,4-Dichlorobenzene	ug/l	ND	1.0	
Dichlorodifluoromethane	ug/l	ND	0.50	
1,1-Dichloroethane	ug/l	ND	0.50	
1,2-Dichloroethane	ug/l	ND	0.50	
1,1-Dichloroethene	ug/l	ND	0.50	
cis-1,2-Dichloroethene	ug/l	ND	0.50	
trans-1,2-Dichloroethene	ug/l	ND	0.50	
1,2-Dichloropropane	ug/l	ND	0.50	
1,3-Dichloropropane	ug/l	ND	0.50	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

METHOD BLANK: 927018150
Associated Lab Samples: 927013078 927013086 927013144 927013151

Parameter	Units	Blank Result	Reporting Limit	Footnotes
2,2-Dichloropropane	ug/l	ND	0.50	
1,1-Dichloropropene	ug/l	ND	0.50	
cis-1,3-Dichloropropene	ug/l	ND	0.50	
trans-1,3-Dichloropropene	ug/l	ND	0.50	
Diisopropyl ether	ug/l	ND	0.50	
Ethylbenzene	ug/l	ND	0.50	
Hexachloro-1,3-butadiene	ug/l	ND	2.0	
Isopropylbenzene (Cumene)	ug/l	ND	0.50	
p-Isopropyltoluene	ug/l	ND	0.50	
Methylene chloride	ug/l	ND	2.0	
Methyl-tert-butyl ether	ug/l	ND	0.50	
Naphthalene	ug/l	ND	2.0	
n-Propylbenzene	ug/l	ND	0.50	
Styrene	ug/l	ND	0.50	
1,1,1,2-Tetrachloroethane	ug/l	ND	0.50	
1,1,2,2-Tetrachloroethane	ug/l	ND	0.50	
Tetrachloroethene	ug/l	ND	0.50	
Toluene	ug/l	ND	0.50	
1,2,3-Trichlorobenzene	ug/l	ND	2.0	
1,2,4-Trichlorobenzene	ug/l	ND	2.0	
1,1,1-Trichloroethane	ug/l	ND	0.50	
1,1,2-Trichloroethane	ug/l	ND	0.50	
Trichloroethene	ug/l	ND	0.50	
Trichlorofluoromethane	ug/l	ND	0.50	
1,2,3-Trichloropropane	ug/l	ND	0.50	
1,2,4-Trimethylbenzene	ug/l	ND	0.50	
1,3,5-Trimethylbenzene	ug/l	ND	0.50	
Vinyl chloride	ug/l	ND	0.50	
m&p-Xylene	ug/l	ND	0.50	
o-Xylene	ug/l	ND	0.50	
1-Chloro-3-fluorobenzene (S)	%	97		

Date: 05/31/06

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

LABORATORY CONTROL SAMPLE & LCSD: 927018168 927018176

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Benzene	ug/l	20.00	20.54	20.94	103	105	2	
Bromobenzene	ug/l	20.00	20.79	22.45	104	112	8	
Bromochloromethane	ug/l	20.00	21.05	20.23	105	101	4	
Bromodichloromethane	ug/l	20.00	19.92	22.37	100	112	12	
Bromoform	ug/l	20.00	22.59	24.58	113	123	8	
Bromomethane	ug/l	20.00	26.82	25.33	134	127	6	
n-Butylbenzene	ug/l	20.00	20.81	20.83	104	104	0	
sec-Butylbenzene	ug/l	20.00	21.10	19.60	105	98	7	
tert-Butylbenzene	ug/l	20.00	19.32	19.50	97	98	1	
Carbon tetrachloride	ug/l	20.00	19.63	19.91	98	100	1	
Chlorobenzene	ug/l	20.00	22.54	22.21	113	111	1	
Chloroethane	ug/l	20.00	22.46	22.09	112	110	2	
Chloroform	ug/l	20.00	21.36	20.79	107	104	3	
Chloromethane	ug/l	20.00	18.73	21.22	94	106	12	
2-Chlorotoluene	ug/l	20.00	19.43	19.19	97	96	1	
4-Chlorotoluene	ug/l	20.00	19.90	21.12	100	106	6	
1,2-Dibromo-3-chloropropane	ug/l	20.00	20.43	20.45	102	102	0	
Dibromochloromethane	ug/l	20.00	21.11	23.03	106	115	9	
1,2-Dibromoethane (EDB)	ug/l	20.00	21.21	18.65	106	93	13	
Dibromomethane	ug/l	20.00	20.23	21.47	101	107	6	
1,2-Dichlorobenzene	ug/l	20.00	20.29	20.72	101	104	2	
1,3-Dichlorobenzene	ug/l	20.00	19.36	21.38	97	107	10	
1,4-Dichlorobenzene	ug/l	20.00	20.81	21.43	104	107	3	
Dichlorodifluoromethane	ug/l	20.00	20.83	21.64	104	108	4	
1,1-Dichloroethane	ug/l	20.00	21.82	22.17	109	111	2	
1,2-Dichloroethane	ug/l	20.00	22.56	22.31	113	112	1	
1,1-Dichloroethene	ug/l	20.00	21.85	21.05	109	105	4	
cis-1,2-Dichloroethene	ug/l	20.00	20.56	20.13	103	101	2	
trans-1,2-Dichloroethene	ug/l	20.00	20.65	21.77	103	109	5	
1,2-Dichloropropane	ug/l	20.00	21.18	21.63	106	108	2	
1,3-Dichloropropane	ug/l	20.00	20.58	21.93	103	110	6	
2,2-Dichloropropane	ug/l	20.00	23.88	23.94	119	120	0	
1,1-Dichloropropene	ug/l	20.00	20.69	21.72	103	109	5	
cis-1,3-Dichloropropene	ug/l	20.00	20.95	22.38	105	112	7	
trans-1,3-Dichloropropene	ug/l	20.00	22.73	22.75	114	114	0	
Diisopropyl ether	ug/l	20.00	20.74	20.73	104	104	0	
Ethylbenzene	ug/l	20.00	21.06	21.14	105	106	0	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

LABORATORY CONTROL SAMPLE & LCSD: 927018168 927018176

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Hexachloro-1,3-butadiene	ug/l	20.00	23.53	23.92	118	120	2	
Isopropylbenzene (Cumene)	ug/l	20.00	19.87	20.03	99	100	1	
p-Isopropyltoluene	ug/l	20.00	20.89	21.34	104	107	2	
Methylene chloride	ug/l	20.00	20.34	20.61	102	103	1	
Methyl-tert-butyl ether	ug/l	20.00	18.93	19.38	95	97	2	
Naphthalene	ug/l	20.00	17.86	19.10	89	96	7	
n-Propylbenzene	ug/l	20.00	20.52	20.35	103	102	1	
Styrene	ug/l	20.00	20.17	20.44	101	102	1	
1,1,1,2-Tetrachloroethane	ug/l	20.00	20.27	19.95	101	100	2	
1,1,2,2-Tetrachloroethane	ug/l	20.00	14.92	16.37	75	82	9	
Tetrachloroethene	ug/l	20.00	21.04	22.45	105	112	7	
Toluene	ug/l	20.00	20.74	20.93	104	105	1	
1,2,3-Trichlorobenzene	ug/l	20.00	21.74	21.98	109	110	1	
1,2,4-Trichlorobenzene	ug/l	20.00	21.68	23.08	108	115	6	
1,1,1-Trichloroethane	ug/l	20.00	19.47	23.79	97	119	20	
1,1,2-Trichloroethane	ug/l	20.00	22.13	24.60	111	123	11	
Trichloroethene	ug/l	20.00	20.83	21.92	104	110	5	
Trichlorofluoromethane	ug/l	20.00	19.11	18.63	96	93	3	
1,2,3-Trichloropropane	ug/l	20.00	21.08	20.69	105	103	2	
1,2,4-Trimethylbenzene	ug/l	20.00	20.15	20.62	101	103	2	
1,3,5-Trimethylbenzene	ug/l	20.00	20.50	20.80	102	104	1	
Vinyl chloride	ug/l	20.00	21.47	21.00	107	105	2	
m&p-Xylene	ug/l	40.00	38.62	39.05	96	98	1	
o-Xylene	ug/l	20.00	21.36	21.62	107	108	1	
1-Chloro-3-fluorobenzene (S)					104	112		

SAMPLE DUPLICATE: 927018184

Parameter	Units	927014142 Result	DUP Result	RPD	Footnotes
Benzene	ug/l	190.0	190.0	1	
Bromobenzene	ug/l	ND	ND	NC	
Bromochloromethane	ug/l	ND	ND	NC	
Bromodichloromethane	ug/l	ND	ND	NC	
Bromoform	ug/l	ND	ND	NC	
Bromomethane	ug/l	ND	ND	NC	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

SAMPLE DUPLICATE: 927018184

Parameter	Units	927014142 Result	DUP Result	RPD	Footnotes
n-Butylbenzene	ug/l	ND	ND	NC	
sec-Butylbenzene	ug/l	ND	ND	NC	
tert-Butylbenzene	ug/l	ND	ND	NC	
Carbon tetrachloride	ug/l	ND	ND	NC	
Chlorobenzene	ug/l	ND	ND	NC	
Chloroethane	ug/l	ND	ND	NC	
Chloroform	ug/l	ND	ND	NC	
Chloromethane	ug/l	ND	ND	NC	
2-Chlorotoluene	ug/l	ND	ND	NC	
4-Chlorotoluene	ug/l	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/l	ND	ND	NC	
Dibromochloromethane	ug/l	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/l	ND	ND	NC	
Dibromomethane	ug/l	ND	ND	NC	
1,2-Dichlorobenzene	ug/l	ND	ND	NC	
1,3-Dichlorobenzene	ug/l	ND	ND	NC	
1,4-Dichlorobenzene	ug/l	ND	ND	NC	
Dichlorodifluoromethane	ug/l	ND	ND	NC	
1,1-Dichloroethane	ug/l	ND	ND	NC	
1,2-Dichloroethane	ug/l	ND	ND	NC	
1,1-Dichloroethene	ug/l	ND	ND	NC	
cis-1,2-Dichloroethene	ug/l	ND	ND	NC	
trans-1,2-Dichloroethene	ug/l	ND	ND	NC	
1,2-Dichloropropane	ug/l	ND	ND	NC	
1,3-Dichloropropane	ug/l	ND	ND	NC	
2,2-Dichloropropane	ug/l	ND	ND	NC	
1,1-Dichloropropene	ug/l	ND	ND	NC	
cis-1,3-Dichloropropene	ug/l	ND	ND	NC	
trans-1,3-Dichloropropene	ug/l	ND	ND	NC	
Diisopropyl ether	ug/l	140.0	140.0	4	
Ethylbenzene	ug/l	1300	1300	1	
Hexachloro-1,3-butadiene	ug/l	ND	ND	NC	
Isopropylbenzene (Cumene)	ug/l	48.00	45.00	6	
p-Isopropyltoluene	ug/l	ND	ND	NC	
Methylene chloride	ug/l	ND	ND	NC	
Methyl-tert-butyl ether	ug/l	ND	ND	NC	
Naphthalene	ug/l	640.0	650.0	1	

Date: 05/31/06

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

SAMPLE DUPLICATE: 927018184

Parameter	Units	927014142 Result	DUP Result	RPD	Footnotes
n-Propylbenzene	ug/l	140.0	ND	NC	
Styrene	ug/l	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/l	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/l	ND	ND	NC	
Tetrachloroethene	ug/l	ND	ND	NC	
Toluene	ug/l	450.0	450.0	1	
1,2,3-Trichlorobenzene	ug/l	ND	ND	NC	
1,2,4-Trichlorobenzene	ug/l	ND	ND	NC	
1,1,1-Trichloroethane	ug/l	ND	ND	NC	
1,1,2-Trichloroethane	ug/l	ND	ND	NC	
Trichloroethene	ug/l	ND	ND	NC	
Trichlorofluoromethane	ug/l	ND	ND	NC	
1,2,3-Trichloropropane	ug/l	ND	ND	NC	
1,2,4-Trimethylbenzene	ug/l	1000	1100	2	
1,3,5-Trimethylbenzene	ug/l	230.0	230.0	1	
Vinyl chloride	ug/l	ND	ND	NC	
m&p-Xylene	ug/l	3000	3100	2	
o-Xylene	ug/l	1500	1500	1	
1-Chloro-3-fluorobenzene (S)	%	93	95		

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

QC Batch: 157996 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 927013078 927013086 927013144 927013151

METHOD BLANK: 927015347
Associated Lab Samples: 927013078 927013086 927013144 927013151

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 927015354

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0025	99	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927015362 927015370

Parameter	Units	927010918 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0	0.0025	0.0025	0.0023	98	91	8	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

QC Batch: 158119 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: Mercury, Dissolved by CVAAS
Associated Lab Samples: 927013169 927013177 927013185 927013193

METHOD BLANK: 927021337
Associated Lab Samples: 927013169 927013177 927013185 927013193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury, Dissolved	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 927021345

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury, Dissolved	mg/l	0.0025	0.0024	97	

MATRIX SPIKE: 927021352

Parameter	Units	927013169 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Mercury, Dissolved	mg/l	0	0.0025	0.0026	106	

SAMPLE DUPLICATE: 927021360

Parameter	Units	927013177 Result	DUP Result	RPD	Footnotes
Mercury, Dissolved	mg/l	ND	ND	NC	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

QC Batch: 158071 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: Metals by Trace ICP
Associated Lab Samples: 927013078 927013086 927013144 927013151

METHOD BLANK: 927018309
Associated Lab Samples: 927013078 927013086 927013144 927013151

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic	mg/l	ND	0.0050	
Barium	mg/l	ND	0.0050	
Cadmium	mg/l	ND	0.0010	
Chromium	mg/l	ND	0.0020	
Lead	mg/l	ND	0.0050	
Selenium	mg/l	ND	0.0050	
Silver	mg/l	ND	0.0020	

LABORATORY CONTROL SAMPLE: 927018317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic	mg/l	0.5000	0.4620	92	
Barium	mg/l	0.5000	0.4600	92	
Cadmium	mg/l	0.5000	0.4650	93	
Chromium	mg/l	0.5000	0.4710	94	
Lead	mg/l	0.5000	0.4630	93	
Selenium	mg/l	0.5000	0.4640	93	
Silver	mg/l	0.2500	0.2700	108	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927018325 927018333

Parameter	Units	926995903 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic	mg/l	0.00180	0.5000	0.4270	0.4080	85	81	5	
Barium	mg/l	0.1110	0.5000	0.5200	0.4970	82	77	5	
Cadmium	mg/l	0	0.5000	0.4240	0.4030	85	81	5	
Chromium	mg/l	0.00090	0.5000	0.4260	0.4060	85	81	5	
Lead	mg/l	0.00169	0.5000	0.4260	0.4060	85	81	5	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927018325 927018333

Parameter	Units	926995903 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Selenium	mg/l	0.00325	0.5000	0.4230	0.4040	84	80	5	
Silver	mg/l	0	0.2500	0.2510	0.2400	100	96	4	

SAMPLE DUPLICATE: 927018341

Parameter	Units	926995911 Result	DUP Result	RPD	Footnotes
Arsenic	mg/l	ND	ND	NC	
Barium	mg/l	0.2800	0.2400	17	
Cadmium	mg/l	ND	ND	NC	
Chromium	mg/l	0.00350	0.00300	18	
Lead	mg/l	ND	ND	NC	
Selenium	mg/l	ND	0.00590	0	
Silver	mg/l	ND	ND	NC	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

QC Batch: 158073 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: Dissolved Metals, Trace ICP
Associated Lab Samples: 927013169 927013177 927013185 927013193

METHOD BLANK: 927018416
Associated Lab Samples: 927013169 927013177 927013185 927013193

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Arsenic, Dissolved	mg/l	ND	0.0050	
Barium, Dissolved	mg/l	ND	0.0050	
Cadmium, Dissolved	mg/l	ND	0.0010	
Chromium, Dissolved	mg/l	ND	0.0020	
Lead, Dissolved	mg/l	ND	0.0050	
Selenium, Dissolved	mg/l	ND	0.0050	
Silver, Dissolved	mg/l	ND	0.0020	

LABORATORY CONTROL SAMPLE: 927018424

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Arsenic, Dissolved	mg/l	0.5000	0.5250	105	
Barium, Dissolved	mg/l	0.5000	0.5390	108	
Cadmium, Dissolved	mg/l	0.5000	0.5300	106	
Chromium, Dissolved	mg/l	0.5000	0.5260	105	
Lead, Dissolved	mg/l	0.5000	0.5460	109	
Selenium, Dissolved	mg/l	0.5000	0.5030	101	
Silver, Dissolved	mg/l	0.2500	0.2540	102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927018432 927018440

Parameter	Units	927013169 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Arsenic, Dissolved	mg/l	0.05050	0.5000	0.5690	0.5560	104	101	2	
Barium, Dissolved	mg/l	0.00389	0.5000	0.5240	0.5170	104	103	1	
Cadmium, Dissolved	mg/l	0	0.5000	0.5170	0.5100	103	102	1	
Chromium, Dissolved	mg/l	0.00234	0.5000	0.5160	0.5080	103	101	2	
Lead, Dissolved	mg/l	0.06400	0.5000	0.5850	0.5750	104	102	2	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

ACCREDITED IN ACCORDANCE WITH nelac

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 927018432 927018440

Parameter	Units	927013169 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Selenium, Dissolved	mg/l	0	0.5000	0.4600	0.4550	92	91	1	
Silver, Dissolved	mg/l	0.00325	0.2500	0.2510	0.2490	99	98	1	

SAMPLE DUPLICATE: 927018457

Parameter	Units	927013177 Result	DUP Result	RPD	Footnotes
Arsenic, Dissolved	mg/l	0.04400	0.04600	6	
Barium, Dissolved	mg/l	0.01600	0.01600	3	
Cadmium, Dissolved	mg/l	ND	ND	NC	
Chromium, Dissolved	mg/l	0.00560	0.00600	8	
Lead, Dissolved	mg/l	0.05900	0.05500	6	
Selenium, Dissolved	mg/l	ND	ND	NC	
Silver, Dissolved	mg/l	0.00330	0.00330	1	

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92119888
Client Project ID: 6228-06-3630

QUALITY CONTROL DATA PARAMETER FOOTNOTES

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

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate

Asheville Certification IDs
NC Wastewater 40
NC Drinking Water 37712
SC 99030
FL NELAP E87648

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

Charlotte Certification IDs
NC Wastewater 12
NC Drinking Water 37706
SC 99006
FL NELAP E87627

CHAIN-OF-CUSTODY / Analytical Request Document

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

Pace Analytical®

Page: of 0987478

Section A Required Client Information:

Company	MACTEC
Address	2801 Yorkmont chlt NC
Email To:	rcfoster@mactec.com
Phone	
Fax	
Requested Due Date/TAT:	Normal TAT

Section B Required Project Information:

Report To:	Rob Foster
Copy To:	
Purchase Order No.:	61027
Project Name:	
Project Number:	6228-06-3630

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	AS
Pace Profile #:	1931-19

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☒NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

Filtered (Y/N)

Requested Analysis: Dissolved 8 RCRA, Total 8 RCRA, 6230 D

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Dissolved 8 RCRA	Total 8 RCRA	6230 D	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-1024 3169	WT	G			5/23/06			5	1		1	3					X	X	X		92 7013078
2	MW-1016 3177	↓	G			↓			5	1		1	3					X	X	X		3086
3	MW-1 3185	↓	G			↓			5	1		1	3					X	X	X		3144
4	MW-2 3193	↓	G			↓			5	1		1	3					X	X	X		3151
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

92119888

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Rob Foster / MACTEC	5/23	1402	[signature]	5/23/06	1402

SAMPLE CONDITION

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Rob Foster / Andrew Frantz

SIGNATURE of SAMPLER: Rob Foster / Andrew Frantz

DATE Signed (MM / DD / YY) 05/23/06

SEE REVERSE SIDE FOR INSTRUCTIONS

ALLQ020rev.3,31Mar05