MACTEC

engineering and constructing a better tomorrow

August 5, 2009

Mr. Victor Kung, President
Royal Pacific Corporation
1016 Montana Drive
Charlotte, North Carolina 28216

Subject: **Report of Groundwater Monitoring**
Pliana, Inc. Facility
1016 and 1024 Montana Drive
Charlotte, North Carolina
MACTEC Project 6228-09-5055

Dear Mr. Kung:

MACTEC Engineering and Consulting, Inc., (MACTEC) is pleased to provide this *Groundwater Monitoring Report* for the subject site. This work was performed as outlined in our proposal (No. Prop09chlt196, dated July 17, 2009).

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.

In May 2006, MACTEC completed a Phase II Environmental Assessment on behalf of a prospective purchaser of the property. Four monitoring wells were installed (MW-1006, MW-1024, MW-1 and MW-2) at the locations shown on Figure 1. Soil and groundwater samples were collected and analyzed.

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.

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.

Groundwater Sampling and Analysis

On July 23 and 27, 2009 MACTEC personnel collected groundwater samples from three of the four wells. Well MW-1016 was apparently paved over by a previous occupant and could not be sampled. The samples were placed on ice and delivered to Pace for analysis of volatile organics (EPA Method 6200B). MACTEC's field procedures used during the site work are included as Attachment A.

Results

The groundwater analytical results identified concentrations of the organic solvent PCE at concentrations ranging from 32.8 to 74.9 ppb in water samples 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.

Conclusions

- Table 1 summarizes the groundwater results. The organic groundwater analytical results identified concentrations of the organic solvent PCE at concentrations ranging from 32.8 to74.9 ppb in water samples 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. In summary, the solvent concentrations identified in the three wells have decreased since 2006.

Recommendations

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

- The responsible party should review the results of the previous assessment activities and this groundwater monitoring report and submit them to the North Carolina Department of Environment and Natural Resources (NCDENR) for their review.

Closing

MACTEC appreciates this opportunity to assist you on this project.

Sincerely,

MACTEC ENGINEERING AND CONSULTING, INC.

Matthew T. Miller
Project Scientist

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

MTM/RCF:jew

Attachments

TABLE

Table 1: Groundwater Analytical Results
Pliana, Inc.
1016 and 1024 North I-85 Service Road
Charlotte, North Carolina
MACTEC Project No.: 6228-09-5055

Analyte	Units	MW-1024	MW-1	MW-2	NC 2L Standard
Tetrachlorothene	µg/L	**74.9**	**32.8**	**47.4**	0.7
chloroform	µg/L	2.9	0.8	0.60	70
cis-1,2-Dichloroethene	µg/L	4.7	3.7	2.8	70
Trichloroethene	µg/L	**3.3**	1.3	**7.0**	2.8
1,1-Dichloroethane	µg/L	<0.5	20.2	37.7	70
1,1-Dichloroethene	µg/L	0.98	**15.5**	**33.8**	7
Diisopropyl ether	µg/L	<0.5	<0.5	2.1	70
Total Xylenes	µg/L	<0.5	<0.5	<0.5	530
1,1,1,-Trichloroethane	µg/L	<0.5	<0.5	5.1	200
1,2 Dichloroethane	µg/L	<0.5	<0.5	**2.0**	0.38

Notes:

Prepared by: RUF 8-5-09

Checked by: MTM 8.5.09

µg/L - micrograms per liter

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

FIGURE

EXPLANATION

⊙ APPROXIMATE LOCATION OF MONITORING WELL

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
RGF	8-3-09	mtm	8-5-09	6228-09-5055	1

P:\AutoCAD Drawings Only~CHECK OUT BEFORE DELETING\Environmental\2009\6228-09-5055 PLiana NC\aerial.dwg Wed, 29 Jul 2009 - 3:03pm hmhicks

ATTACHMENT A

FIELD PROCEDURES

FIELD PROCEDURES

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

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 B

LABORATORY REPORTS

Pace Analytical®
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2225 Riverside Dr.
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(704)875-9092

July 31, 2009

Reviewed by RFoster on 7-31-09.

Mr. Matt Miller
Mactec Charlotte
2801 Yorkmont Road
Charlotte, NC 28208

RE: Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

Dear Mr. Miller:
Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2009. The results relate only to the samples included in this report. 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 Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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ACCREDITED IN ACCORDANCE WITH nelac

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CERTIFICATIONS

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
West Virginia Certification #: 357
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
North Carolina Field Services Certification #: 5342

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ANALYTICAL RESULTS

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

Sample: MW-1 **Lab ID: 9249437001** Collected: 07/23/09 13:00 Received: 07/24/09 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/29/09 13:28	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/29/09 13:28	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/29/09 13:28	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/29/09 13:28	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/29/09 13:28	75-25-2	
Bromomethane	ND	ug/L	1.0	1		07/29/09 13:28	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/29/09 13:28	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/29/09 13:28	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/29/09 13:28	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/29/09 13:28	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/29/09 13:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/29/09 13:28	75-00-3	
Chloroform	**0.80**	ug/L	0.50	1		07/29/09 13:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/29/09 13:28	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/29/09 13:28	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/29/09 13:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/29/09 13:28	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/29/09 13:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/29/09 13:28	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/29/09 13:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/29/09 13:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/29/09 13:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/29/09 13:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/29/09 13:28	75-71-8	
1,1-Dichloroethane	**20.2**	ug/L	0.50	1		07/29/09 13:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/29/09 13:28	107-06-2	
1,1-Dichloroethene	**15.5**	ug/L	0.50	1		07/29/09 13:28	75-35-4	
cis-1,2-Dichloroethene	**3.7**	ug/L	0.50	1		07/29/09 13:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/29/09 13:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/29/09 13:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/29/09 13:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/29/09 13:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/29/09 13:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/29/09 13:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/29/09 13:28	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/29/09 13:28	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/29/09 13:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/29/09 13:28	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/29/09 13:28	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/29/09 13:28	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/29/09 13:28	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/29/09 13:28	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/29/09 13:28	103-65-1	
Styrene	ND	ug/L	0.50	1		07/29/09 13:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/29/09 13:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/29/09 13:28	79-34-5	
Tetrachloroethene	**32.8**	ug/L	0.50	1		07/29/09 13:28	127-18-4	

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ANALYTICAL RESULTS

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

Sample: MW-1 **Lab ID: 9249437001** Collected: 07/23/09 13:00 Received: 07/24/09 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		07/29/09 13:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/29/09 13:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/29/09 13:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/29/09 13:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/29/09 13:28	79-00-5	
Trichloroethene	**1.3**	ug/L	0.50	1		07/29/09 13:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/29/09 13:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/29/09 13:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/29/09 13:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/29/09 13:28	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/29/09 13:28	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/29/09 13:28	1330-20-7	
o-Xylene	ND	ug/L	0.50	1		07/29/09 13:28	95-47-6	
1,2-Dichloroethane-d4 (S)	109	%	70-130	1		07/29/09 13:28	17060-07-0	
Dibromofluoromethane (S)	108	%	70-130	1		07/29/09 13:28	1868-53-7	
4-Bromofluorobenzene (S)	88	%	70-130	1		07/29/09 13:28	460-00-4	
Toluene-d8 (S)	95	%	70-130	1		07/29/09 13:28	2037-26-5	

Sample: MW-1024 **Lab ID: 9249437002** Collected: 07/23/09 13:15 Received: 07/24/09 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		07/29/09 13:52	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		07/29/09 13:52	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		07/29/09 13:52	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		07/29/09 13:52	75-27-4	
Bromoform	ND	ug/L	0.50	1		07/29/09 13:52	75-25-2	
Bromomethane	ND	ug/L	1.0	1		07/29/09 13:52	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		07/29/09 13:52	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		07/29/09 13:52	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		07/29/09 13:52	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		07/29/09 13:52	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		07/29/09 13:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/29/09 13:52	75-00-3	
Chloroform	**2.9**	ug/L	0.50	1		07/29/09 13:52	67-66-3	
Chloromethane	ND	ug/L	1.0	1		07/29/09 13:52	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		07/29/09 13:52	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		07/29/09 13:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		07/29/09 13:52	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		07/29/09 13:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		07/29/09 13:52	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		07/29/09 13:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		07/29/09 13:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		07/29/09 13:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		07/29/09 13:52	106-46-7	

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ANALYTICAL RESULTS

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

Sample: MW-1024 **Lab ID: 9249437002** Collected: 07/23/09 13:15 Received: 07/24/09 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Dichlorodifluoromethane	ND	ug/L	0.50	1		07/29/09 13:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		07/29/09 13:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	0.50	1		07/29/09 13:52	107-06-2	
1,1-Dichloroethene	**0.98**	ug/L	0.50	1		07/29/09 13:52	75-35-4	
cis-1,2-Dichloroethene	**4.7**	ug/L	0.50	1		07/29/09 13:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		07/29/09 13:52	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		07/29/09 13:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		07/29/09 13:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		07/29/09 13:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		07/29/09 13:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		07/29/09 13:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		07/29/09 13:52	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		07/29/09 13:52	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		07/29/09 13:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		07/29/09 13:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		07/29/09 13:52	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		07/29/09 13:52	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		07/29/09 13:52	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		07/29/09 13:52	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		07/29/09 13:52	103-65-1	
Styrene	ND	ug/L	0.50	1		07/29/09 13:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		07/29/09 13:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		07/29/09 13:52	79-34-5	
Tetrachloroethene	**74.9**	ug/L	0.50	1		07/29/09 13:52	127-18-4	
Toluene	ND	ug/L	0.50	1		07/29/09 13:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		07/29/09 13:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		07/29/09 13:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		07/29/09 13:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		07/29/09 13:52	79-00-5	
Trichloroethene	**3.3**	ug/L	0.50	1		07/29/09 13:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/29/09 13:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		07/29/09 13:52	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		07/29/09 13:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		07/29/09 13:52	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		07/29/09 13:52	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		07/29/09 13:52	1330-20-7	
o-Xylene	ND	ug/L	0.50	1		07/29/09 13:52	95-47-6	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		07/29/09 13:52	17060-07-0	
Dibromofluoromethane (S)	110	%	70-130	1		07/29/09 13:52	1868-53-7	
4-Bromofluorobenzene (S)	85	%	70-130	1		07/29/09 13:52	460-00-4	
Toluene-d8 (S)	90	%	70-130	1		07/29/09 13:52	2037-26-5	

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QUALITY CONTROL DATA

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

QC Batch: MSV/7783
QC Batch Method: SM 6200B
Analysis Method: SM 6200B
Analysis Description: 6200B MSV
Associated Lab Samples: 9249437001, 9249437002

METHOD BLANK: 314486
Matrix: Water
Associated Lab Samples: 9249437001, 9249437002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	07/29/09 06:45	
1,1,1-Trichloroethane	ug/L	ND	0.50	07/29/09 06:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	07/29/09 06:45	
1,1,2-Trichloroethane	ug/L	ND	0.50	07/29/09 06:45	
1,1-Dichloroethane	ug/L	ND	0.50	07/29/09 06:45	
1,1-Dichloroethene	ug/L	ND	0.50	07/29/09 06:45	
1,1-Dichloropropene	ug/L	ND	0.50	07/29/09 06:45	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	07/29/09 06:45	
1,2,3-Trichloropropane	ug/L	ND	0.50	07/29/09 06:45	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	07/29/09 06:45	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	07/29/09 06:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	07/29/09 06:45	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	07/29/09 06:45	
1,2-Dichlorobenzene	ug/L	ND	0.50	07/29/09 06:45	
1,2-Dichloroethane	ug/L	ND	0.50	07/29/09 06:45	
1,2-Dichloropropane	ug/L	ND	0.50	07/29/09 06:45	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	07/29/09 06:45	
1,3-Dichlorobenzene	ug/L	ND	0.50	07/29/09 06:45	
1,3-Dichloropropane	ug/L	ND	0.50	07/29/09 06:45	
1,4-Dichlorobenzene	ug/L	ND	0.50	07/29/09 06:45	
2,2-Dichloropropane	ug/L	ND	0.50	07/29/09 06:45	
2-Chlorotoluene	ug/L	ND	0.50	07/29/09 06:45	
4-Chlorotoluene	ug/L	ND	0.50	07/29/09 06:45	
Benzene	ug/L	ND	0.50	07/29/09 06:45	
Bromobenzene	ug/L	ND	0.50	07/29/09 06:45	
Bromochloromethane	ug/L	ND	0.50	07/29/09 06:45	
Bromodichloromethane	ug/L	ND	0.50	07/29/09 06:45	
Bromoform	ug/L	ND	0.50	07/29/09 06:45	
Bromomethane	ug/L	ND	1.0	07/29/09 06:45	
Carbon tetrachloride	ug/L	ND	0.50	07/29/09 06:45	
Chlorobenzene	ug/L	ND	0.50	07/29/09 06:45	
Chloroethane	ug/L	ND	1.0	07/29/09 06:45	
Chloroform	ug/L	ND	0.50	07/29/09 06:45	
Chloromethane	ug/L	ND	1.0	07/29/09 06:45	
cis-1,2-Dichloroethene	ug/L	ND	0.50	07/29/09 06:45	
cis-1,3-Dichloropropene	ug/L	ND	0.50	07/29/09 06:45	
Dibromochloromethane	ug/L	ND	0.50	07/29/09 06:45	
Dibromomethane	ug/L	ND	0.50	07/29/09 06:45	
Dichlorodifluoromethane	ug/L	ND	0.50	07/29/09 06:45	
Diisopropyl ether	ug/L	ND	0.50	07/29/09 06:45	
Ethylbenzene	ug/L	ND	0.50	07/29/09 06:45	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	07/29/09 06:45	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	07/29/09 06:45	

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QUALITY CONTROL DATA

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

METHOD BLANK: 314486 Matrix: Water

Associated Lab Samples: 9249437001, 9249437002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	07/29/09 06:45	
Methyl-tert-butyl ether	ug/L	ND	0.50	07/29/09 06:45	
Methylene Chloride	ug/L	ND	2.0	07/29/09 06:45	
n-Butylbenzene	ug/L	ND	0.50	07/29/09 06:45	
n-Propylbenzene	ug/L	ND	0.50	07/29/09 06:45	
Naphthalene	ug/L	ND	2.0	07/29/09 06:45	
o-Xylene	ug/L	ND	0.50	07/29/09 06:45	
sec-Butylbenzene	ug/L	ND	0.50	07/29/09 06:45	
Styrene	ug/L	ND	0.50	07/29/09 06:45	
tert-Butylbenzene	ug/L	ND	0.50	07/29/09 06:45	
Tetrachloroethene	ug/L	ND	0.50	07/29/09 06:45	
Toluene	ug/L	ND	0.50	07/29/09 06:45	
trans-1,2-Dichloroethene	ug/L	ND	0.50	07/29/09 06:45	
trans-1,3-Dichloropropene	ug/L	ND	0.50	07/29/09 06:45	
Trichloroethene	ug/L	ND	0.50	07/29/09 06:45	
Trichlorofluoromethane	ug/L	ND	1.0	07/29/09 06:45	
Vinyl chloride	ug/L	ND	1.0	07/29/09 06:45	
1,2-Dichloroethane-d4 (S)	%	106	70-130	07/29/09 06:45	
4-Bromofluorobenzene (S)	%	93	70-130	07/29/09 06:45	
Dibromofluoromethane (S)	%	107	70-130	07/29/09 06:45	
Toluene-d8 (S)	%	101	70-130	07/29/09 06:45	

LABORATORY CONTROL SAMPLE: 314487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.5	95	60-140	
1,1,1-Trichloroethane	ug/L	50	49.7	99	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	39.6	79	60-140	
1,1,2-Trichloroethane	ug/L	50	47.0	94	60-140	
1,1-Dichloroethane	ug/L	50	49.2	98	60-140	
1,1-Dichloroethene	ug/L	50	49.1	98	60-140	
1,1-Dichloropropene	ug/L	50	48.8	98	60-140	
1,2,3-Trichlorobenzene	ug/L	50	41.9	84	60-140	
1,2,3-Trichloropropane	ug/L	50	46.0	92	60-140	
1,2,4-Trichlorobenzene	ug/L	50	43.4	87	60-140	
1,2,4-Trimethylbenzene	ug/L	50	46.4	93	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	47.4	95	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	46.7	93	60-140	
1,2-Dichlorobenzene	ug/L	50	45.1	90	60-140	
1,2-Dichloroethane	ug/L	50	49.3	99	60-140	
1,2-Dichloropropane	ug/L	50	47.1	94	60-140	
1,3,5-Trimethylbenzene	ug/L	50	46.4	93	60-140	
1,3-Dichlorobenzene	ug/L	50	44.1	88	60-140	
1,3-Dichloropropane	ug/L	50	46.1	92	60-140	
1,4-Dichlorobenzene	ug/L	50	43.6	87	60-140	

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QUALITY CONTROL DATA

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

LABORATORY CONTROL SAMPLE: 314487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	35.8	72	60-140	
2-Chlorotoluene	ug/L	50	45.7	91	60-140	
4-Chlorotoluene	ug/L	50	46.1	92	60-140	
Benzene	ug/L	50	47.6	95	60-140	
Bromobenzene	ug/L	50	45.5	91	60-140	
Bromochloromethane	ug/L	50	51.2	102	60-140	
Bromodichloromethane	ug/L	50	50.2	100	60-140	
Bromoform	ug/L	50	48.8	98	60-140	
Bromomethane	ug/L	50	54.3	109	60-140	
Carbon tetrachloride	ug/L	50	49.4	99	60-140	
Chlorobenzene	ug/L	50	45.4	91	60-140	
Chloroethane	ug/L	50	48.6	97	60-140	
Chloroform	ug/L	50	48.9	98	60-140	
Chloromethane	ug/L	50	41.3	83	60-140	
cis-1,2-Dichloroethene	ug/L	50	49.3	99	60-140	
cis-1,3-Dichloropropene	ug/L	50	50.5	101	60-140	
Dibromochloromethane	ug/L	50	49.9	100	60-140	
Dibromomethane	ug/L	50	46.6	93	60-140	
Dichlorodifluoromethane	ug/L	50	50.6	101	60-140	
Diisopropyl ether	ug/L	50	49.1	98	60-140	
Ethylbenzene	ug/L	50	45.7	91	60-140	
Hexachloro-1,3-butadiene	ug/L	50	40.4	81	60-140	
Isopropylbenzene (Cumene)	ug/L	50	45.6	91	60-140	
m&p-Xylene	ug/L	100	91.5	91	60-140	
Methyl-tert-butyl ether	ug/L	50	49.1	98	60-140	
Methylene Chloride	ug/L	50	51.0	102	60-140	
n-Butylbenzene	ug/L	50	44.6	89	60-140	
n-Propylbenzene	ug/L	50	45.6	91	60-140	
Naphthalene	ug/L	50	49.0	98	60-140	
o-Xylene	ug/L	50	47.2	94	60-140	
sec-Butylbenzene	ug/L	50	45.8	92	60-140	
Styrene	ug/L	50	49.1	98	60-140	
tert-Butylbenzene	ug/L	50	45.7	91	60-140	
Tetrachloroethene	ug/L	50	43.5	87	60-140	
Toluene	ug/L	50	47.1	94	60-140	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	60-140	
trans-1,3-Dichloropropene	ug/L	50	50.2	100	60-140	
Trichloroethene	ug/L	50	49.7	99	60-140	
Trichlorofluoromethane	ug/L	50	47.6	95	60-140	
Vinyl chloride	ug/L	50	48.3	97	60-140	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 314488 314489

Parameter	Units	9249434001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	14.6	17.6	73	88	60-140	19	
1,1,1-Trichloroethane	ug/L	ND	20	20	15.9	19.3	79	96	60-140	19	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	14.8	17.9	74	90	60-140	19	
1,1,2-Trichloroethane	ug/L	ND	20	20	15.4	17.8	77	89	60-140	14	
1,1-Dichloroethane	ug/L	ND	20	20	16.2	19.3	81	96	60-140	17	
1,1-Dichloroethene	ug/L	ND	20	20	17.3	19.9	86	100	60-140	14	
1,1-Dichloropropene	ug/L	ND	20	20	17.0	20.2	85	101	60-140	17	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	13.7	17.3	69	87	60-140	23	
1,2,3-Trichloropropane	ug/L	ND	20	20	14.8	18.3	74	91	60-140	21	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	14.7	18.0	73	90	60-140	20	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	17.0	19.2	85	96	60-140	12	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	16.1	19.3	81	97	60-140	18	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	15.7	18.3	79	92	60-140	15	
1,2-Dichlorobenzene	ug/L	ND	20	20	14.8	17.2	74	86	60-140	15	
1,2-Dichloroethane	ug/L	ND	20	20	16.8	19.3	84	97	60-140	14	
1,2-Dichloropropane	ug/L	ND	20	20	15.7	18.2	78	91	60-140	15	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	16.7	18.9	84	95	60-140	12	
1,3-Dichlorobenzene	ug/L	ND	20	20	14.8	17.1	74	86	60-140	14	
1,3-Dichloropropane	ug/L	ND	20	20	15.2	17.8	76	89	60-140	16	
1,4-Dichlorobenzene	ug/L	ND	20	20	14.3	16.6	71	83	60-140	15	
2,2-Dichloropropane	ug/L	ND	20	20	9.6	11.8	48	59	60-140	21	M0
2-Chlorotoluene	ug/L	ND	20	20	15.7	18.0	79	90	60-140	14	
4-Chlorotoluene	ug/L	ND	20	20	16.5	18.7	82	93	60-140	12	
Benzene	ug/L	ND	20	20	15.5	17.9	77	90	60-140	14	
Bromobenzene	ug/L	ND	20	20	16.3	18.8	82	94	60-140	14	
Bromochloromethane	ug/L	ND	20	20	17.6	21.1	88	105	60-140	18	
Bromodichloromethane	ug/L	ND	20	20	14.8	17.7	74	88	60-140	17	
Bromoform	ug/L	ND	20	20	13.6	16.0	68	80	60-140	17	
Bromomethane	ug/L	ND	20	20	13.5	17.7	67	89	60-140	27	
Carbon tetrachloride	ug/L	ND	20	20	15.9	18.7	79	93	60-140	16	
Chlorobenzene	ug/L	ND	20	20	14.1	17.0	71	85	60-140	19	
Chloroethane	ug/L	ND	20	20	15.5	18.1	77	91	60-140	16	
Chloroform	ug/L	ND	20	20	15.7	18.9	78	94	60-140	19	
Chloromethane	ug/L	ND	20	20	13.6	15.2	68	76	60-140	11	
cis-1,2-Dichloroethene	ug/L	ND	20	20	16.7	19.7	83	98	60-140	16	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.4	18.0	77	90	60-140	15	
Dibromochloromethane	ug/L	ND	20	20	14.2	17.5	71	87	60-140	20	
Dibromomethane	ug/L	ND	20	20	15.1	17.6	75	88	60-140	15	
Dichlorodifluoromethane	ug/L	ND	20	20	13.8	15.8	69	79	60-140	14	
Diisopropyl ether	ug/L	ND	20	20	14.4	17.5	72	88	60-140	20	
Ethylbenzene	ug/L	ND	20	20	14.8	17.6	74	88	60-140	18	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	15.1	16.9	75	85	60-140	12	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	14.9	17.8	75	89	60-140	18	
m&p-Xylene	ug/L	ND	40	40	29.9	35.2	75	88	60-140	16	
Methyl-tert-butyl ether	ug/L	ND	20	20	14.8	18.0	74	90	60-140	19	
Methylene Chloride	ug/L	ND	20	20	14.8	18.3	74	92	60-140	21	
n-Butylbenzene	ug/L	ND	20	20	17.1	19.5	86	97	60-140	13	

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QUALITY CONTROL DATA

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 314488 314489

Parameter	Units	9249434001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Propylbenzene	ug/L	ND	20	20	17.5	19.5	87	98	60-140	11	
Naphthalene	ug/L	ND	20	20	15.9	19.8	80	99	60-140	22	
o-Xylene	ug/L	ND	20	20	14.9	17.9	75	89	60-140	18	
sec-Butylbenzene	ug/L	ND	20	20	17.7	20.0	89	100	60-140	12	
Styrene	ug/L	ND	20	20	12.5	15.6	62	78	60-140	22	
tert-Butylbenzene	ug/L	ND	20	20	17.1	19.3	86	97	60-140	12	
Tetrachloroethene	ug/L	ND	20	20	14.1	16.3	70	82	60-140	15	
Toluene	ug/L	ND	20	20	15.4	17.4	77	87	60-140	12	
trans-1,2-Dichloroethene	ug/L	ND	20	20	16.0	18.4	80	92	60-140	14	
trans-1,3-Dichloropropene	ug/L	ND	20	20	15.5	17.7	77	89	60-140	14	
Trichloroethene	ug/L	ND	20	20	14.8	17.0	74	85	60-140	14	
Trichlorofluoromethane	ug/L	ND	20	20	15.6	18.2	78	91	60-140	16	
Vinyl chloride	ug/L	ND	20	20	16.3	18.4	81	92	60-140	12	
1,2-Dichloroethane-d4 (S)	%						104	104	70-130		
4-Bromofluorobenzene (S)	%						91	94	70-130		
Dibromofluoromethane (S)	%						108	106	70-130		
Toluene-d8 (S)	%						102	100	70-130		

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QUALIFIERS

Project: PLIANA FACILITY 622809505502
Pace Project No.: 9249437

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

ANALYTE QUALIFIERS

M0 Matrix spike recovery was outside laboratory control limits.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1171172

Section A Required Client Information:

Company: Mactec Charlotte
Address:
Email To: mtmiller2@mactec.com
Phone: 704 357 5527 Fax:
Requested Due Date/TAT: normal

Section B Required Project Information:

Report To: Matt Miller
Copy To: rob Foster
Purchase Order No.:
Project Name: Pliana Facility
Project Number: 6228-09-5055-02

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 1981-2

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	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	Analysis Test (Y/N)	6200 B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-1	WT	G			7/23	1300		3				X						X		9249437 001
2	MW-1024	WT	G			7/23	1315		3				X						X		002
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	7/23/09	1700	[signature] - Pace	7-24-09	15:15				
	[signature]	7-24-09	16:15	[signature] Pace	7/24/09	16:15	3.7	yes	no	yes
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MATT MILLER

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 7/23/09

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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Huntersville, NC 28078
(704)875-9092

August 05, 2009

Reviewed by RFoster on 8-5-09.

Mr. Matt Miller
Mactec Charlotte
2801 Yorkmont Road
Charlotte, NC 28208

RE: Project: Pliana, Inc.
Pace Project No.: 9249491

Dear Mr. Miller:
Enclosed are the analytical results for sample(s) received by the laboratory on July 27, 2009. The results relate only to the samples included in this report. 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 Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

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

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Pliana, Inc.
Pace Project No.: 9249491

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
West Virginia Certification #: 357
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
North Carolina Field Services Certification #: 5342

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ANALYTICAL RESULTS

Project: Pliana, Inc.
Pace Project No.: 9249491

Sample: MW-2 **Lab ID: 9249491001** Collected: 07/27/09 13:45 Received: 07/27/09 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Benzene	ND	ug/L	0.50	1		08/03/09 18:30	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		08/03/09 18:30	108-86-1	
Bromochloromethane	ND	ug/L	0.50	1		08/03/09 18:30	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		08/03/09 18:30	75-27-4	
Bromoform	ND	ug/L	0.50	1		08/03/09 18:30	75-25-2	
Bromomethane	ND	ug/L	1.0	1		08/03/09 18:30	74-83-9	
n-Butylbenzene	ND	ug/L	0.50	1		08/03/09 18:30	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		08/03/09 18:30	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		08/03/09 18:30	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		08/03/09 18:30	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		08/03/09 18:30	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/03/09 18:30	75-00-3	
Chloroform	**0.60**	ug/L	0.50	1		08/03/09 18:30	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/03/09 18:30	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		08/03/09 18:30	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		08/03/09 18:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/03/09 18:30	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		08/03/09 18:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		08/03/09 18:30	106-93-4	
Dibromomethane	ND	ug/L	0.50	1		08/03/09 18:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		08/03/09 18:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		08/03/09 18:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		08/03/09 18:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	0.50	1		08/03/09 18:30	75-71-8	
1,1-Dichloroethane	**37.7**	ug/L	0.50	1		08/03/09 18:30	75-34-3	
1,2-Dichloroethane	**2.0**	ug/L	0.50	1		08/03/09 18:30	107-06-2	
1,1-Dichloroethene	**33.8**	ug/L	0.50	1		08/03/09 18:30	75-35-4	
cis-1,2-Dichloroethene	**2.8**	ug/L	0.50	1		08/03/09 18:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		08/03/09 18:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	0.50	1		08/03/09 18:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		08/03/09 18:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	0.50	1		08/03/09 18:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		08/03/09 18:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		08/03/09 18:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		08/03/09 18:30	10061-02-6	
Diisopropyl ether	ND	ug/L	0.50	1		08/03/09 18:30	108-20-3	
Ethylbenzene	ND	ug/L	0.50	1		08/03/09 18:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	1		08/03/09 18:30	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		08/03/09 18:30	98-82-8	
Methylene Chloride	ND	ug/L	2.0	1		08/03/09 18:30	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		08/03/09 18:30	1634-04-4	
Naphthalene	ND	ug/L	2.0	1		08/03/09 18:30	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		08/03/09 18:30	103-65-1	
Styrene	ND	ug/L	0.50	1		08/03/09 18:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		08/03/09 18:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		08/03/09 18:30	79-34-5	
Tetrachloroethene	**47.4**	ug/L	0.50	1		08/03/09 18:30	127-18-4	

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ANALYTICAL RESULTS

Project: Pliana, Inc.
Pace Project No.: 9249491

Sample: MW-2 **Lab ID: 9249491001** Collected: 07/27/09 13:45 Received: 07/27/09 14:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6200B MSV	Analytical Method: SM 6200B							
Toluene	ND	ug/L	0.50	1		08/03/09 18:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	1		08/03/09 18:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	1		08/03/09 18:30	120-82-1	
1,1,1-Trichloroethane	**5.1**	ug/L	0.50	1		08/03/09 18:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		08/03/09 18:30	79-00-5	
Trichloroethene	**7.0**	ug/L	0.50	1		08/03/09 18:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/03/09 18:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		08/03/09 18:30	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		08/03/09 18:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		08/03/09 18:30	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/03/09 18:30	75-01-4	
m&p-Xylene	ND	ug/L	1.0	1		08/03/09 18:30	1330-20-7	
o-Xylene	ND	ug/L	0.50	1		08/03/09 18:30	95-47-6	
1,2-Dichloroethane-d4 (S)	116	%	70-130	1		08/03/09 18:30	17060-07-0	
Dibromofluoromethane (S)	110	%	70-130	1		08/03/09 18:30	1868-53-7	
4-Bromofluorobenzene (S)	84	%	70-130	1		08/03/09 18:30	460-00-4	
Toluene-d8 (S)	102	%	70-130	1		08/03/09 18:30	2037-26-5	

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QUALITY CONTROL DATA

Project: Pliana, Inc.
Pace Project No.: 9249491

QC Batch: MSV/7831
QC Batch Method: SM 6200B
Analysis Method: SM 6200B
Analysis Description: 6200B MSV
Associated Lab Samples: 9249491001

METHOD BLANK: 316878
Matrix: Water
Associated Lab Samples: 9249491001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	08/02/09 13:58	
1,1,1-Trichloroethane	ug/L	ND	0.50	08/02/09 13:58	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	08/02/09 13:58	
1,1,2-Trichloroethane	ug/L	ND	0.50	08/02/09 13:58	
1,1-Dichloroethane	ug/L	ND	0.50	08/02/09 13:58	
1,1-Dichloroethene	ug/L	ND	0.50	08/02/09 13:58	
1,1-Dichloropropene	ug/L	ND	0.50	08/02/09 13:58	
1,2,3-Trichlorobenzene	ug/L	ND	2.0	08/02/09 13:58	
1,2,3-Trichloropropane	ug/L	ND	0.50	08/02/09 13:58	
1,2,4-Trichlorobenzene	ug/L	ND	2.0	08/02/09 13:58	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	08/02/09 13:58	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	08/02/09 13:58	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	08/02/09 13:58	
1,2-Dichlorobenzene	ug/L	ND	0.50	08/02/09 13:58	
1,2-Dichloroethane	ug/L	ND	0.50	08/02/09 13:58	
1,2-Dichloropropane	ug/L	ND	0.50	08/02/09 13:58	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	08/02/09 13:58	
1,3-Dichlorobenzene	ug/L	ND	0.50	08/02/09 13:58	
1,3-Dichloropropane	ug/L	ND	0.50	08/02/09 13:58	
1,4-Dichlorobenzene	ug/L	ND	0.50	08/02/09 13:58	
2,2-Dichloropropane	ug/L	ND	0.50	08/02/09 13:58	
2-Chlorotoluene	ug/L	ND	0.50	08/02/09 13:58	
4-Chlorotoluene	ug/L	ND	0.50	08/02/09 13:58	
Benzene	ug/L	ND	0.50	08/02/09 13:58	
Bromobenzene	ug/L	ND	0.50	08/02/09 13:58	
Bromochloromethane	ug/L	ND	0.50	08/02/09 13:58	
Bromodichloromethane	ug/L	ND	0.50	08/02/09 13:58	
Bromoform	ug/L	ND	0.50	08/02/09 13:58	
Bromomethane	ug/L	ND	1.0	08/02/09 13:58	
Carbon tetrachloride	ug/L	ND	0.50	08/02/09 13:58	
Chlorobenzene	ug/L	ND	0.50	08/02/09 13:58	
Chloroethane	ug/L	ND	1.0	08/02/09 13:58	
Chloroform	ug/L	ND	0.50	08/02/09 13:58	
Chloromethane	ug/L	ND	1.0	08/02/09 13:58	
cis-1,2-Dichloroethene	ug/L	ND	0.50	08/02/09 13:58	
cis-1,3-Dichloropropene	ug/L	ND	0.50	08/02/09 13:58	
Dibromochloromethane	ug/L	ND	0.50	08/02/09 13:58	
Dibromomethane	ug/L	ND	0.50	08/02/09 13:58	
Dichlorodifluoromethane	ug/L	ND	0.50	08/02/09 13:58	
Diisopropyl ether	ug/L	ND	0.50	08/02/09 13:58	
Ethylbenzene	ug/L	ND	0.50	08/02/09 13:58	
Hexachloro-1,3-butadiene	ug/L	ND	2.0	08/02/09 13:58	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	08/02/09 13:58	

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QUALITY CONTROL DATA

Project: Pliana, Inc.
Pace Project No.: 9249491

METHOD BLANK: 316878 Matrix: Water

Associated Lab Samples: 9249491001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	ND	1.0	08/02/09 13:58	
Methyl-tert-butyl ether	ug/L	ND	0.50	08/02/09 13:58	
Methylene Chloride	ug/L	ND	2.0	08/02/09 13:58	
n-Butylbenzene	ug/L	ND	0.50	08/02/09 13:58	
n-Propylbenzene	ug/L	ND	0.50	08/02/09 13:58	
Naphthalene	ug/L	ND	2.0	08/02/09 13:58	
o-Xylene	ug/L	ND	0.50	08/02/09 13:58	
sec-Butylbenzene	ug/L	ND	0.50	08/02/09 13:58	
Styrene	ug/L	ND	0.50	08/02/09 13:58	
tert-Butylbenzene	ug/L	ND	0.50	08/02/09 13:58	
Tetrachloroethene	ug/L	ND	0.50	08/02/09 13:58	
Toluene	ug/L	ND	0.50	08/02/09 13:58	
trans-1,2-Dichloroethene	ug/L	ND	0.50	08/02/09 13:58	
trans-1,3-Dichloropropene	ug/L	ND	0.50	08/02/09 13:58	
Trichloroethene	ug/L	ND	0.50	08/02/09 13:58	
Trichlorofluoromethane	ug/L	ND	1.0	08/02/09 13:58	
Vinyl chloride	ug/L	ND	1.0	08/02/09 13:58	
1,2-Dichloroethane-d4 (S)	%	109	70-130	08/02/09 13:58	
4-Bromofluorobenzene (S)	%	90	70-130	08/02/09 13:58	
Dibromofluoromethane (S)	%	107	70-130	08/02/09 13:58	
Toluene-d8 (S)	%	98	70-130	08/02/09 13:58	

LABORATORY CONTROL SAMPLE: 316879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.9	106	60-140	
1,1,1-Trichloroethane	ug/L	50	55.9	112	60-140	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	60-140	
1,1,2-Trichloroethane	ug/L	50	52.5	105	60-140	
1,1-Dichloroethane	ug/L	50	54.2	108	60-140	
1,1-Dichloroethene	ug/L	50	55.5	111	60-140	
1,1-Dichloropropene	ug/L	50	58.8	118	60-140	
1,2,3-Trichlorobenzene	ug/L	50	46.8	94	60-140	
1,2,3-Trichloropropane	ug/L	50	48.9	98	60-140	
1,2,4-Trichlorobenzene	ug/L	50	46.1	92	60-140	
1,2,4-Trimethylbenzene	ug/L	50	55.7	111	60-140	
1,2-Dibromo-3-chloropropane	ug/L	50	51.1	102	60-140	
1,2-Dibromoethane (EDB)	ug/L	50	51.0	102	60-140	
1,2-Dichlorobenzene	ug/L	50	50.8	102	60-140	
1,2-Dichloroethane	ug/L	50	55.4	111	60-140	
1,2-Dichloropropane	ug/L	50	55.5	111	60-140	
1,3,5-Trimethylbenzene	ug/L	50	55.0	110	60-140	
1,3-Dichlorobenzene	ug/L	50	50.9	102	60-140	
1,3-Dichloropropane	ug/L	50	51.2	102	60-140	
1,4-Dichlorobenzene	ug/L	50	50.0	100	60-140	

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QUALITY CONTROL DATA

Project: Pliana, Inc.
Pace Project No.: 9249491

LABORATORY CONTROL SAMPLE: 316879

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	58.7	117	60-140	
2-Chlorotoluene	ug/L	50	51.7	103	60-140	
4-Chlorotoluene	ug/L	50	54.6	109	60-140	
Benzene	ug/L	50	51.5	103	60-140	
Bromobenzene	ug/L	50	54.4	109	60-140	
Bromochloromethane	ug/L	50	59.7	119	60-140	
Bromodichloromethane	ug/L	50	51.6	103	60-140	
Bromoform	ug/L	50	38.9	78	60-140	
Bromomethane	ug/L	50	67.9	136	60-140	
Carbon tetrachloride	ug/L	50	54.5	109	60-140	
Chlorobenzene	ug/L	50	49.3	99	60-140	
Chloroethane	ug/L	50	48.9	98	60-140	
Chloroform	ug/L	50	53.5	107	60-140	
Chloromethane	ug/L	50	43.2	86	60-140	
cis-1,2-Dichloroethene	ug/L	50	56.7	113	60-140	
cis-1,3-Dichloropropene	ug/L	50	57.2	114	60-140	
Dibromochloromethane	ug/L	50	47.9	96	60-140	
Dibromomethane	ug/L	50	51.0	102	60-140	
Dichlorodifluoromethane	ug/L	50	40.7	81	60-140	
Diisopropyl ether	ug/L	50	50.3	101	60-140	
Ethylbenzene	ug/L	50	50.1	100	60-140	
Hexachloro-1,3-butadiene	ug/L	50	46.9	94	60-140	
Isopropylbenzene (Cumene)	ug/L	50	52.6	105	60-140	
m&p-Xylene	ug/L	100	103	103	60-140	
Methyl-tert-butyl ether	ug/L	50	51.4	103	60-140	
Methylene Chloride	ug/L	50	46.7	93	60-140	
n-Butylbenzene	ug/L	50	54.1	108	60-140	
n-Propylbenzene	ug/L	50	55.7	111	60-140	
Naphthalene	ug/L	50	52.0	104	60-140	
o-Xylene	ug/L	50	51.9	104	60-140	
sec-Butylbenzene	ug/L	50	55.7	111	60-140	
Styrene	ug/L	50	52.7	105	60-140	
tert-Butylbenzene	ug/L	50	55.4	111	60-140	
Tetrachloroethene	ug/L	50	48.6	97	60-140	
Toluene	ug/L	50	51.3	103	60-140	
trans-1,2-Dichloroethene	ug/L	50	53.5	107	60-140	
trans-1,3-Dichloropropene	ug/L	50	57.9	116	60-140	
Trichloroethene	ug/L	50	52.2	104	60-140	
Trichlorofluoromethane	ug/L	50	39.3	79	60-140	
Vinyl chloride	ug/L	50	47.2	94	60-140	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Dibromofluoromethane (S)	%			105	70-130	
Toluene-d8 (S)	%			102	70-130	

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(704)875-9092

QUALITY CONTROL DATA

Project: Pliana, Inc.
Pace Project No.: 9249491

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 316892 316893

Parameter	Units	9249343009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	17.7	20.5	88	103	60-140	15	
1,1,1-Trichloroethane	ug/L	ND	20	20	21.3	24.6	106	123	60-140	14	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	19.0	21.2	95	106	60-140	11	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.0	22.2	95	111	60-140	16	
1,1-Dichloroethane	ug/L	ND	20	20	20.3	23.9	101	119	60-140	16	
1,1-Dichloroethene	ug/L	ND	20	20	21.5	25.1	108	126	60-140	15	
1,1-Dichloropropene	ug/L	ND	20	20	22.9	25.9	114	129	60-140	12	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	16.7	20.4	84	102	60-140	20	
1,2,3-Trichloropropane	ug/L	ND	20	20	18.2	20.2	91	101	60-140	11	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	15.4	19.2	77	96	60-140	22	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	16.5	19.2	83	96	60-140	15	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	19.5	22.4	98	112	60-140	14	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	18.9	21.9	95	109	60-140	14	
1,2-Dichlorobenzene	ug/L	ND	20	20	17.1	20.2	85	101	60-140	17	
1,2-Dichloroethane	ug/L	ND	20	20	21.1	24.0	105	120	60-140	13	
1,2-Dichloropropane	ug/L	ND	20	20	19.5	23.1	97	115	60-140	17	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	18.1	21.2	91	106	60-140	16	
1,3-Dichlorobenzene	ug/L	ND	20	20	17.0	19.9	85	99	60-140	16	
1,3-Dichloropropane	ug/L	ND	20	20	18.9	21.6	95	108	60-140	13	
1,4-Dichlorobenzene	ug/L	ND	20	20	16.2	19.9	81	100	60-140	20	
2,2-Dichloropropane	ug/L	ND	20	20	18.6	21.4	93	107	60-140	14	
2-Chlorotoluene	ug/L	ND	20	20	18.0	21.2	90	106	60-140	17	
4-Chlorotoluene	ug/L	ND	20	20	19.1	22.2	96	111	60-140	15	
Benzene	ug/L	ND	20	20	18.8	21.8	94	109	60-140	15	
Bromobenzene	ug/L	ND	20	20	19.1	22.6	96	113	60-140	17	
Bromochloromethane	ug/L	ND	20	20	21.6	20.7	108	103	60-140	4	
Bromodichloromethane	ug/L	ND	20	20	18.2	21.0	91	105	60-140	14	
Bromoform	ug/L	ND	20	20	15.8	17.1	79	85	60-140	8	
Bromomethane	ug/L	ND	20	20	21.3	26.9	106	135	60-140	24	
Carbon tetrachloride	ug/L	ND	20	20	19.7	23.3	98	117	60-140	17	
Chlorobenzene	ug/L	ND	20	20	17.3	19.9	86	99	60-140	14	
Chloroethane	ug/L	ND	20	20	18.6	21.5	93	108	60-140	15	
Chloroform	ug/L	ND	20	20	20.5	23.7	102	118	60-140	14	
Chloromethane	ug/L	ND	20	20	17.7	20.1	88	100	60-140	13	
cis-1,2-Dichloroethene	ug/L	ND	20	20	21.7	24.5	108	123	60-140	12	
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.2	21.6	91	108	60-140	17	
Dibromochloromethane	ug/L	ND	20	20	16.5	19.4	82	97	60-140	16	
Dibromomethane	ug/L	ND	20	20	18.5	22.1	92	111	60-140	18	
Dichlorodifluoromethane	ug/L	ND	20	20	16.7	19.5	84	97	60-140	15	
Diisopropyl ether	ug/L	ND	20	20	18.7	21.4	94	107	60-140	13	
Ethylbenzene	ug/L	ND	20	20	17.7	20.7	89	104	60-140	16	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	16.6	20.5	83	103	60-140	21	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	18.0	20.9	90	104	60-140	15	
m&p-Xylene	ug/L	ND	40	40	35.4	41.3	88	103	60-140	15	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.7	21.9	98	110	60-140	11	
Methylene Chloride	ug/L	ND	20	20	18.2	20.8	91	104	60-140	14	
n-Butylbenzene	ug/L	ND	20	20	18.2	22.3	91	111	60-140	20	

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QUALITY CONTROL DATA

Project: Pliana, Inc.
Pace Project No.: 9249491

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 316892 316893

Parameter	Units	9249343009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
n-Propylbenzene	ug/L	ND	20	20	19.2	22.7	96	113	60-140	17	
Naphthalene	ug/L	ND	20	20	17.3	22.2	87	111	60-140	25	
o-Xylene	ug/L	ND	20	20	17.8	20.9	89	105	60-140	16	
sec-Butylbenzene	ug/L	ND	20	20	19.4	23.3	97	116	60-140	18	
Styrene	ug/L	ND	20	20	14.4	16.4	72	82	60-140	13	
tert-Butylbenzene	ug/L	ND	20	20	18.9	22.4	95	112	60-140	17	
Tetrachloroethene	ug/L	0.70	20	20	17.9	21.1	86	102	60-140	16	
Toluene	ug/L	ND	20	20	18.1	21.3	91	106	60-140	16	
trans-1,2-Dichloroethene	ug/L	ND	20	20	20.5	23.8	102	119	60-140	15	
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.3	22.0	92	110	60-140	18	
Trichloroethene	ug/L	ND	20	20	19.0	22.3	94	110	60-140	16	
Trichlorofluoromethane	ug/L	ND	20	20	18.4	21.3	92	107	60-140	15	
Vinyl chloride	ug/L	ND	20	20	19.0	22.2	95	111	60-140	15	
1,2-Dichloroethane-d4 (S)	%						111	108	70-130		
4-Bromofluorobenzene (S)	%						94	94	70-130		
Dibromofluoromethane (S)	%						110	109	70-130		
Toluene-d8 (S)	%						100	101	70-130		

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QUALIFIERS

Project: Pliana, Inc.
Pace Project No.: 9249491

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1325224

Section A Required Client Information:

Company: MACTEC
Address: 2801 Yorkmont Rd
CLT, NC 28208
Email To:
Phone: Fax:
Requested Due Date/TAT: Normal

Section B Required Project Information:

Report To: Matt Miller
Copy To: Andrew Frantz
Purchase Order No.: Contact Matt Miller
Project Name: Piana, Inc.
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 2778-7

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NC

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	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	Analysis Test (Y/N): G2000B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-2	WT	G			7/27	1345		3				3					X		92249491 001
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Andrew Frantz MACTEC	7/27/09	1425	[illegible] / Pace	7/27/09	14:28	6.0	yes	no	yes

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Andrew Frantz
SIGNATURE of SAMPLER: Andrew Frantz
DATE Signed (MM/DD/YY): 7/27/09

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

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.