

August 04, 2004

Jim Gould  
Philip Environmental  
210 West Sand Bank Road  
Columbia, IL 622360230  
TEL: (618) 281-7173  
FAX: (618) 281-5120



RE: A831-735002-012901-225/IP Champaign

OrderNo. 04070740

Dear Jim Gould:

TEKLAB, INC received 19 samples on 7/28/04 2:00:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest that have been tested. IL ELAP and NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP/Part 186 except where noted in the Case Narrative. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael L. Austin".

Michael L. Austin  
Director of Operations

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: Philip Environmental  
Project: A831-735002-012901-225/IP Champaign  
LabOrder: 04070740  
Report Date: August 04, 2004

## CASE NARRATIVE

Analytical Comments for METHOD V\_BTEX\_W, SAMPLE 04070740-012B, 13B, 16B: Elevated reporting limit due to matrix interference.

### Qualifiers

<b>DF</b> - Dilution Factor	<b>B</b> - Analyte detected in the associated Method Blank	<b>E</b> - Value above quantitation range
<b>RL</b> - Reporting Limit	<b>J</b> - Analyte detected below reporting limits	<b>H</b> - Holding time exceeded
<b>ND</b> - Not Detected at the Reporting Limit	<b>R</b> - RPD outside accepted recovery limits	<b>D</b> - Diluted out of sample
<b>Surr</b> - Surrogate Standard added by lab	<b>S</b> - Spike Recovery outside accepted recovery limits	<b>MI</b> - Matrix interference
<b>TNTC</b> - Too numerous to count	<b>*</b> - Value exceeds Maximum Contaminant Level	<b>DNI</b> Did Not Ignite
<b>IDPH</b> - Illinois Department of Public Health	<b>NELAP</b> - IL ELAP and NELAP Accredited Field of Testing	

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-001  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 112043  
**Collection Date:** 7/26/04 8:40:00 AM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b>SW-846 3510C, 8310, POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		92.1	%REC	1	7/30/04	HE
<b>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/29/04 7:21:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/29/04 7:21:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/29/04 7:21:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/29/04 7:21:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		103	%REC	1	7/29/04 7:21:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		99.0	%REC	1	7/29/04 7:21:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		102	%REC	1	7/29/04 7:21:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		103	%REC	1	7/29/04 7:21:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

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## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-002  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 102043  
**Collection Date:** 7/26/04 9:43:00 AM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		93.8	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/29/04 7:51:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/29/04 7:51:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/29/04 7:51:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/29/04 7:51:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		105	%REC	1	7/29/04 7:51:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		99.6	%REC	1	7/29/04 7:51:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		101	%REC	1	7/29/04 7:51:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		103	%REC	1	7/29/04 7:51:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

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## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-003  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 110043  
**Collection Date:** 7/26/04 10:13:00 AM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.0750		<b>0.0876</b>	mg/L	25	8/2/04	HE
Acenaphthylene		0.0375		<b>0.0926</b>	mg/L	25	8/2/04	HE
Anthracene	NELAP	0.00030		<b>0.0151</b>	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		<b>0.00033</b>	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		<b>ND</b>	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		<b>ND</b>	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		<b>ND</b>	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		<b>0.0121</b>	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00750		<b>0.00766</b>	mg/L	25	8/2/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		<b>0.0246</b>	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.0150		<b>0.0267</b>	mg/L	25	8/2/04	HE
Pyrene	NELAP	0.00030		<b>0.00525</b>	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		<b>96.2</b>	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		<b>15.6</b>	µg/L	1	7/31/04 5:24:00 AM	RLH
Toluene	NELAP	5.0	J	<b>2.3</b>	µg/L	1	7/31/04 5:24:00 AM	RLH
Ethylbenzene	NELAP	5.0		<b>67.5</b>	µg/L	1	7/31/04 5:24:00 AM	RLH
Xylenes, Total	NELAP	5.0		<b>37.3</b>	µg/L	1	7/31/04 5:24:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		<b>101</b>	%REC	1	7/31/04 5:24:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		<b>103</b>	%REC	1	7/31/04 5:24:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		<b>101</b>	%REC	1	7/31/04 5:24:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		<b>103</b>	%REC	1	7/31/04 5:24:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-004  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 111043  
**Collection Date:** 7/26/04 10:45:00 AM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	8/2/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	8/2/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	8/2/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	8/2/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	8/2/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	8/2/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	8/2/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	8/2/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	8/2/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	8/2/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	8/2/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Surr: Terphenyl-d14		62.5-135		99.4	%REC	1	8/2/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/29/04 8:53:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/29/04 8:53:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/29/04 8:53:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/29/04 8:53:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		105	%REC	1	7/29/04 8:53:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		99.4	%REC	1	7/29/04 8:53:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		102	%REC	1	7/29/04 8:53:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		102	%REC	1	7/29/04 8:53:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-005  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 109043  
**Collection Date:** 7/26/04 11:25:00 AM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	8/2/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	8/2/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	8/2/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	8/2/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	8/2/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	8/2/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	8/2/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	8/2/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	8/2/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	8/2/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	8/2/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	8/2/04	HE
Surr: Terphenyl-d14		62.5-135		96.7	%REC	1	8/2/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 5:55:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 5:55:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 5:55:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 5:55:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		94.6	%REC	1	7/31/04 5:55:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		103	%REC	1	7/31/04 5:55:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		96.6	%REC	1	7/31/04 5:55:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		103	%REC	1	7/31/04 5:55:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-006  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 104043  
**Collection Date:** 7/26/04 11:27:00 AM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310, POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		95.9	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 6:26:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 6:26:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 6:26:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 6:26:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		93.2	%REC	1	7/31/04 6:26:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		105	%REC	1	7/31/04 6:26:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		96.8	%REC	1	7/31/04 6:26:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		101	%REC	1	7/31/04 6:26:00 AM	RLH



ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-007  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 108043  
**Collection Date:** 7/26/04 2:03:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		85.4	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 6:56:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 6:56:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 6:56:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 6:56:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		94.8	%REC	1	7/31/04 6:56:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		102	%REC	1	7/31/04 6:56:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		98.4	%REC	1	7/31/04 6:56:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		102	%REC	1	7/31/04 6:56:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-008  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 108943  
**Collection Date:** 7/26/04 2:07:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		0.00019	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		0.00029	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		94.2	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 7:27:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 7:27:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 7:27:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 7:27:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		94.0	%REC	1	7/31/04 7:27:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		104	%REC	1	7/31/04 7:27:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		98.6	%REC	1	7/31/04 7:27:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		102	%REC	1	7/31/04 7:27:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-009  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 105043  
**Collection Date:** 7/26/04 2:35:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		94.9	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 7:58:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 7:58:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 7:58:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 7:58:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		95.4	%REC	1	7/31/04 7:58:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		103	%REC	1	7/31/04 7:58:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		99.6	%REC	1	7/31/04 7:58:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		101	%REC	1	7/31/04 7:58:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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## Laboratory Results

**CLIENT:** Philip Environmental

**WorkOrder:** 04070740

**Lab ID:** 04070740-010

**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa

**Client Sample ID:** TB1

**Collection Date:** 7/19/04 2:30:00 PM

**Matrix:** TRIP BLANK

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 8:29:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 8:29:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 8:29:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 8:29:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		96.2	%REC	1	7/31/04 8:29:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		103	%REC	1	7/31/04 8:29:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		98.0	%REC	1	7/31/04 8:29:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		101	%REC	1	7/31/04 8:29:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-011  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 106043  
**Collection Date:** 7/26/04 2:46:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		91.0	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 8:59:00 AM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 8:59:00 AM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 8:59:00 AM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 8:59:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		97.0	%REC	1	7/31/04 8:59:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		103	%REC	1	7/31/04 8:59:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		98.4	%REC	1	7/31/04 8:59:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		102	%REC	1	7/31/04 8:59:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-012  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 107043  
**Collection Date:** 7/26/04 3:20:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		0.0877	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		89.4	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	100		760	µg/L	50	7/31/04 11:56:00 AM	RLH
Toluene	NELAP	250		ND	µg/L	50	7/31/04 11:56:00 AM	RLH
Ethylbenzene	NELAP	250		ND	µg/L	50	7/31/04 11:56:00 AM	RLH
Xylenes, Total	NELAP	250	J	77	µg/L	50	7/31/04 11:56:00 AM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		95.6	%REC	50	7/31/04 11:56:00 AM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		103	%REC	50	7/31/04 11:56:00 AM	RLH
Surr: Dibromofluoromethane		88.9-121.2		98.4	%REC	50	7/31/04 11:56:00 AM	RLH
Surr: Toluene-d8		84.1-114.5		101	%REC	50	7/31/04 11:56:00 AM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-013  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 107943  
**Collection Date:** 7/26/04 3:23:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		0.147	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		93.5	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	100		786	µg/L	50	7/31/04 12:26:00 PM	RLH
Toluene	NELAP	250		ND	µg/L	50	7/31/04 12:26:00 PM	RLH
Ethylbenzene	NELAP	250		ND	µg/L	50	7/31/04 12:26:00 PM	RLH
Xylenes, Total	NELAP	250	J	52	µg/L	50	7/31/04 12:26:00 PM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		96.8	%REC	50	7/31/04 12:26:00 PM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		102	%REC	50	7/31/04 12:26:00 PM	RLH
Surr: Dibromofluoromethane		88.9-121.2		99.6	%REC	50	7/31/04 12:26:00 PM	RLH
Surr: Toluene-d8		84.1-114.5		102	%REC	50	7/31/04 12:26:00 PM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-014  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 116043  
**Collection Date:** 7/26/04 3:50:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		97.2	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 12:56:00 PM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 12:56:00 PM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 12:56:00 PM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 12:56:00 PM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		96.8	%REC	1	7/31/04 12:56:00 PM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		103	%REC	1	7/31/04 12:56:00 PM	RLH
Surr: Dibromofluoromethane		88.9-121.2		100	%REC	1	7/31/04 12:56:00 PM	RLH
Surr: Toluene-d8		84.1-114.5		102	%REC	1	7/31/04 12:56:00 PM	RLH



ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-015  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 113043  
**Collection Date:** 7/26/04 4:08:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		<b>0.0339</b>	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		<b>0.0707</b>	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		<b>ND</b>	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		<b>ND</b>	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		<b>ND</b>	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		<b>ND</b>	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		<b>0.00236</b>	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		<b>ND</b>	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		<b>ND</b>	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		<b>96.1</b>	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		<b>5.7</b>	µg/L	1	8/2/04 9:45:00 PM	RLH
Toluene	NELAP	5.0		<b>ND</b>	µg/L	1	8/2/04 9:45:00 PM	RLH
Ethylbenzene	NELAP	5.0	J	<b>1.0</b>	µg/L	1	8/2/04 9:45:00 PM	RLH
Xylenes, Total	NELAP	5.0	J	<b>4.8</b>	µg/L	1	8/2/04 9:45:00 PM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		<b>98.4</b>	%REC	1	8/2/04 9:45:00 PM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		<b>98.4</b>	%REC	1	8/2/04 9:45:00 PM	RLH
Surr: Dibromofluoromethane		88.9-121.2		<b>99.2</b>	%REC	1	8/2/04 9:45:00 PM	RLH
Surr: Toluene-d8		84.1-114.5		<b>100</b>	%REC	1	8/2/04 9:45:00 PM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-016  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 114043  
**Collection Date:** 7/26/04 4:40:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.150		<b>0.214</b>	mg/L	50	8/2/04	HE
Acenaphthylene		0.0750		<b>0.552</b>	mg/L	50	8/2/04	HE
Anthracene	NELAP	0.00030		<b>0.00104</b>	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		<b>ND</b>	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		<b>ND</b>	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		<b>ND</b>	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		<b>0.00099</b>	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		<b>0.0206</b>	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.150		<b>3.65</b>	mg/L	50	8/2/04	HE
Phenanthrene	NELAP	0.00060		<b>0.00748</b>	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		<b>0.00064</b>	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		<b>92.4</b>	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	100		<b>628</b>	µg/L	50	7/31/04 1:57:00 PM	RLH
Toluene	NELAP	250	J	<b>120</b>	µg/L	50	7/31/04 1:57:00 PM	RLH
Ethylbenzene	NELAP	250		<b>868</b>	µg/L	50	7/31/04 1:57:00 PM	RLH
Xylenes, Total	NELAP	250		<b>425</b>	µg/L	50	7/31/04 1:57:00 PM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		<b>98.8</b>	%REC	50	7/31/04 1:57:00 PM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		<b>103</b>	%REC	50	7/31/04 1:57:00 PM	RLH
Surr: Dibromofluoromethane		88.9-121.2		<b>100</b>	%REC	50	7/31/04 1:57:00 PM	RLH
Surr: Toluene-d8		84.1-114.5		<b>102</b>	%REC	50	7/31/04 1:57:00 PM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-017  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 114543  
**Collection Date:** 7/26/04 5:05:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		ND	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		ND	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		ND	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		ND	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		ND	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		ND	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		ND	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		ND	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		ND	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		ND	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		93.4	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 2:27:00 PM	RLH
Toluene	NELAP	5.0	J	1.9	µg/L	1	7/31/04 2:27:00 PM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 2:27:00 PM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 2:27:00 PM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		97.8	%REC	1	7/31/04 2:27:00 PM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		101	%REC	1	7/31/04 2:27:00 PM	RLH
Surr: Dibromofluoromethane		88.9-121.2		99.2	%REC	1	7/31/04 2:27:00 PM	RLH
Surr: Toluene-d8		84.1-114.5		101	%REC	1	7/31/04 2:27:00 PM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004  
FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-018  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** 115043  
**Collection Date:** 7/26/04 5:10:00 PM  
**Matrix:** AQUEOUS

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 3510C, 8310. POLYNUCLEAR AROMATIC HYDROCARBONS BY HPLC</u></b>								
Acenaphthene	NELAP	0.00300		<b>0.0135</b>	mg/L	1	7/30/04	HE
Acenaphthylene		0.00150		<b>0.0264</b>	mg/L	1	7/30/04	HE
Anthracene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(a)anthracene	NELAP	0.00009		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(a)pyrene	NELAP	0.00012		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(b)fluoranthene	NELAP	0.00015		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(g,h,i)perylene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Benzo(k)fluoranthene	NELAP	0.00015		<b>ND</b>	mg/L	1	7/30/04	HE
Chrysene	NELAP	0.00045		<b>ND</b>	mg/L	1	7/30/04	HE
Dibenzo(a,h)anthracene	NELAP	0.00018		<b>ND</b>	mg/L	1	7/30/04	HE
Fluoranthene	NELAP	0.00090		<b>ND</b>	mg/L	1	7/30/04	HE
Fluorene	NELAP	0.00030		<b>0.00846</b>	mg/L	1	7/30/04	HE
Indeno(1,2,3-cd)pyrene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Naphthalene	NELAP	0.00300		<b>ND</b>	mg/L	1	7/30/04	HE
Phenanthrene	NELAP	0.00060		<b>ND</b>	mg/L	1	7/30/04	HE
Pyrene	NELAP	0.00030		<b>ND</b>	mg/L	1	7/30/04	HE
Surr: Terphenyl-d14		62.5-135		<b>92.7</b>	%REC	1	7/30/04	HE
<b><u>SW-846 5030, 8260B. VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		<b>12.9</b>	µg/L	1	8/2/04 10:16:00 PM	RLH
Toluene	NELAP	5.0		<b>ND</b>	µg/L	1	8/2/04 10:16:00 PM	RLH
Ethylbenzene	NELAP	5.0	J	<b>1.2</b>	µg/L	1	8/2/04 10:16:00 PM	RLH
Xylenes, Total	NELAP	5.0		<b>ND</b>	µg/L	1	8/2/04 10:16:00 PM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		<b>99.0</b>	%REC	1	8/2/04 10:16:00 PM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		<b>100</b>	%REC	1	8/2/04 10:16:00 PM	RLH
Surr: Dibromofluoromethane		88.9-121.2		<b>100</b>	%REC	1	8/2/04 10:16:00 PM	RLH
Surr: Toluene-d8		84.1-114.5		<b>100</b>	%REC	1	8/2/04 10:16:00 PM	RLH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

## Laboratory Results

**CLIENT:** Philip Environmental  
**WorkOrder:** 04070740  
**Lab ID:** 04070740-019  
**Report Date:** 04-Aug-04

**Client Project:** A831-735002-012901-225/IP Champa  
**Client Sample ID:** TB2  
**Collection Date:** 7/19/04 2:30:00 PM  
**Matrix:** TRIP BLANK

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b><u>SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u></b>								
Benzene	NELAP	2.0		ND	µg/L	1	7/31/04 3:28:00 PM	RLH
Toluene	NELAP	5.0		ND	µg/L	1	7/31/04 3:28:00 PM	RLH
Ethylbenzene	NELAP	5.0		ND	µg/L	1	7/31/04 3:28:00 PM	RLH
Xylenes, Total	NELAP	5.0		ND	µg/L	1	7/31/04 3:28:00 PM	RLH
Surr: 1,2-Dichloroethane-d4		84.3-135		99.4	%REC	1	7/31/04 3:28:00 PM	RLH
Surr: 4-Bromofluorobenzene		81.1-113.3		100	%REC	1	7/31/04 3:28:00 PM	RLH
Surr: Dibromofluoromethane		88.9-121.2		101	%REC	1	7/31/04 3:28:00 PM	RLH
Surr: Toluene-d8		84.1-114.5		101	%REC	1	7/31/04 3:28:00 PM	RLH