

August 11, 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. 04070377

Dear Jim Gould:

TEKLAB, INC received 42 samples on 7/15/04 9:46:00 AM 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

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
LabOrder: 04070377
Report Date: August 11, 2004

CASE NARRATIVE

This is a revised report. The list of VOC (8260) and SVOC(8270) compounds has been revised according to IEPA Title 35, Subtitle G, Chapter I, Part 740, Appendix A. Please replace your original report for this work order with this revised report.

Analytical Comments for METHODS V_BTEX_S & V_8260S_S: SAMPLE 04070377-001E, 005E, 026D, 031D, 032D, 041D: Matrix interference present in sample. For SAMPLE 04070377-006E, 011D, 015D, 019D, 021D, 022D, 024D, 025D, 027D, 028D, 030E, 033D, 034E, 037D: Elevated reporting limit due to matrix interference.

Analytical Comments for METHODS SV_8270S_S_SIMS: SAMPLE 04070377-002AMS, 002AMSD: The recovery of Pyrene was lower than QC limits because of sample composition. For SAMPLE 04070377-019A, 025A, 026A, 029A, 030A, 032A, 033A, 037A, 038A, 039A: Elevated reporting limit due to matrix interference. For SAMPLE 04070377-029AMS, 029AMSD: Elevated reporting limit due to matrix interference. Matrix spike was diluted out. For SAMPLE 04070377-016A, 020A, 040A: Elevated reporting limit due to matrix interference. Surrogate was diluted out.

Analytical Comments for METHOD SV_8270S_S: SAMPLE 04070377-001A, 021A, 022A, 027A, 028A, 034A: Elevated reporting limit due to matrix interference. For SAMPLE 04070377-006A: Matrix interference present in sample. For SAMPLE 04070377-001AMS, 001AMSD: Elevated reporting limit due to matrix interference. Matrix spike recoveries were not within acceptable limits because of sample composition.

Analytical Comments for METHOD SV_OA2_S: SAMPLE 04070377-001A, 024A: #: Unknown hydrocarbon. For SAMPLE 04070377-006A: #: Unknown hydrocarbon. Elevated reporting limit due to matrix interference. For SAMPLE 04070377-006AMS, 06AMSD: #: Unknown hydrocarbon. Matrix spike was diluted out. Elevated reporting limit due to matrix interference. For SAMPLE 04070377-011A, 016A, 026A, 030A, 033A, 040A: #: Unknown hydrocarbon. Surrogate was diluted out. Elevated reporting limit due to matrix interference.

Qualifiers

DF - Dilution Factor	B - Analyte detected in the associated Method Blank	E - Value above quantitation range
RL - Reporting Limit	J - Analyte detected below reporting limits	H - Holding time exceeded
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits	D - Diluted out of sample
Surr - Surrogate Standard added by lab	S - Spike Recovery outside accepted recovery limits	MI - Matrix interference
TNTC - Too numerous to count	* - Value exceeds Maximum Contaminant Level	DNI - Did Not Ignite
IDPH - Illinois Department of Public Health	NELAP - 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: 04070377
Lab ID: 04070377-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B510-2 (1-2)
Collection Date: 7/12/04 10:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		24.5	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		75.5	%	1	7/16/04	JRS
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.40		10.8	mg/Kg-dry	1	7/27/04 9:18:49 AM	JMW
Barium	NELAP	0.48		84.6	mg/Kg-dry	1	7/24/04 6:07:51 PM	SAM
Cadmium	NELAP	0.19		0.58	mg/Kg-dry	1	7/24/04 6:07:51 PM	SAM
Chromium	NELAP	0.96		16.0	mg/Kg-dry	1	7/26/04 12:05:36 PM	JMW
Lead	NELAP	3.85		128	mg/Kg-dry	1	7/24/04 6:07:51 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/24/04 6:07:51 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/24/04 6:07:51 PM	SAM
SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	6.57		50.9 #	mg/Kg-dry	1	7/21/04 9:22:00 PM	CJS
Kerosene	NELAP	6.57		ND	mg/Kg-dry	1	7/21/04 9:22:00 PM	CJS
Mineral Spirits	NELAP	6.57		ND	mg/Kg-dry	1	7/21/04 9:22:00 PM	CJS
Motor Oil	NELAP	6.57		97.9 #	mg/Kg-dry	1	7/21/04 9:22:00 PM	CJS
Surr: n-Tetracontane	NELAP	50.6-140		64.8	%REC	1	7/21/04 9:22:00 PM	CJS
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
1,2-Dichlorobenzene	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
1,3-Dichlorobenzene	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
1,4-Dichlorobenzene	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2,4,5-Trichlorophenol	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2,4,6-Trichlorophenol	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2,4-Dichlorophenol	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2,4-Dimethylphenol	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2,4-Dinitrophenol	NELAP	19.7		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2,4-Dinitrotoluene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2,6-Dinitrotoluene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2-Chloronaphthalene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2-Chlorophenol	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2-Methylnaphthalene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2-Nitroaniline	NELAP	19.7		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
2-Nitrophenol	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
3,3'-Dichlorobenzidine	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
3-Nitroaniline	NELAP	19.7		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B510-2 (1-2)
Collection Date: 7/12/04 10:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4,6-Dinitro-2-methylphenol	NELAP	19.7		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
4-Bromophenyl phenyl ether	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
4-Chloro-3-methylphenol	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
4-Chloroaniline	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
4-Chlorophenyl phenyl ether	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
4-Nitroaniline	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
4-Nitrophenol	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Acenaphthene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Acenaphthylene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Anthracene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Benzo(a)anthracene	NELAP	6.89	J	2.9	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Benzo(a)pyrene	NELAP	6.89	J	3.2	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Benzo(b)fluoranthene	NELAP	6.89	J	4.5	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Benzo(g,h,i)perylene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Benzo(k)fluoranthene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Bis(2-chloroethoxy)methane	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Bis(2-chloroethyl)ether	NELAP	8.98		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Bis(2-chloroisopropyl)ether	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Bis(2-ethylhexyl)phthalate	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Butyl benzyl phthalate	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Carbazole		9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Chrysene	NELAP	6.89	J	3.6	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Di-n-butyl phthalate	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Di-n-octyl phthalate	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Dibenzo(a,h)anthracene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Dibenzofuran	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Diethyl phthalate	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Dimethyl phthalate		6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Fluoranthene	NELAP	6.89	J	3.7	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Fluorene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Hexachlorobenzene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Hexachlorobutadiene	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Hexachlorocyclopentadiene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Hexachloroethane	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Indeno(1,2,3-cd)pyrene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Isophorone	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
m,p-Cresol	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B510-2 (1-2)
Collection Date: 7/12/04 10:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
N-Nitroso-di-n-propylamine	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
N-Nitrosodiphenylamine	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Naphthalene	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Nitrobenzene	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
o-Cresol	NELAP	9.85		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Pentachlorophenol	NELAP	39.4		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Phenanthrene	NELAP	6.89	J	2.0	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Phenol	NELAP	6.89		ND	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Pyrene	NELAP	9.85	J	5.8	mg/Kg-dry	5	7/23/04 3:23:00 AM	SML
Surr: 2,4,6-Tribromophenol		31-123		68.9	%REC	5	7/23/04 3:23:00 AM	SML
Surr: 2-Fluorobiphenyl		14.6-132	S	134	%REC	5	7/23/04 3:23:00 AM	SML
Surr: 2-Fluorophenol		27-111		92.4	%REC	5	7/23/04 3:23:00 AM	SML
Surr: Nitrobenzene-d5		28.9-113	S	118	%REC	5	7/23/04 3:23:00 AM	SML
Surr: p-Terphenyl-d14		25-144		130	%REC	5	7/23/04 3:23:00 AM	SML
Surr: Phenol-d5		33.7-123		114	%REC	5	7/23/04 3:23:00 AM	SML
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1-Trichloroethane	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
1,1,2-Trichloroethane	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
1,1-Dichloroethane	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
1,1-Dichloroethene	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
1,2-Dichloroethane	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
1,2-Dichloropropane	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
2-Butanone	NELAP	60.8		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
2-Hexanone	NELAP	60.8		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
4-Methyl-2-pentanone	NELAP	60.8		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Acetone	NELAP	60.8	J	38	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Benzene	NELAP	1.2		31.2	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Bromodichloromethane	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Bromoform	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Bromomethane	NELAP	12.2		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Carbon disulfide	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Carbon tetrachloride	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Chlorobenzene	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Chloroethane	NELAP	12.2		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Chloroform	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Chloromethane	NELAP	12.2		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B510-2 (1-2)
Collection Date: 7/12/04 10:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
cis-1,2-Dichloroethene	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	4.9		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Dibromochloromethane	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Ethylbenzene	NELAP	6.1	J	2.2	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Methyl tert-butyl ether	NELAP	2.4		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Methylene chloride	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Styrene	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Tetrachloroethene	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Toluene	NELAP	6.1		7.6	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	4.9		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Trichloroethene	NELAP	6.1		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Vinyl chloride	NELAP	2.4		ND	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Xylenes, Total	NELAP	6.1		8.1	µg/Kg-dry	1	7/18/04 6:56:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		113	%REC	1	7/18/04 6:56:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	68.3	%REC	1	7/18/04 6:56:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		115	%REC	1	7/18/04 6:56:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		91.1	%REC	1	7/18/04 6:56:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.432	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/23/04 3:54:00 PM	SML
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.63		6.43	mg/kg-dry	1	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.69		1	7/16/04 10:40:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-002
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B510-5 (4-5)
Collection Date: 7/12/04 11:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		21.2	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.8	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.313		ND	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Acenaphthylene	NELAP	0.313	J	0.15	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Anthracene	NELAP	0.313	J	0.067	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Benzo(a)anthracene	NELAP	0.313		0.498	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Benzo(a)pyrene	NELAP	0.313		0.509	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.313		0.707	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.313	J	0.28	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.313	J	0.22	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Chrysene	NELAP	0.313		0.589	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.313	J	0.074	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Fluoranthene	NELAP	0.313		0.652	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Fluorene	NELAP	0.313	J	0.048	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.313	J	0.23	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Naphthalene	NELAP	0.313	J	0.033	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Phenanthrene	NELAP	0.313	J	0.21	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Pyrene	NELAP	0.313		1.04	mg/Kg-dry	1	7/16/04 6:03:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		64.5	%REC	1	7/16/04 6:03:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		66.6	%REC	1	7/16/04 6:03:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		75.0	%REC	1	7/16/04 6:03:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		4.3	µg/Kg-dry	1	7/19/04 2:08:00 PM	HLR
Toluene	NELAP	4.9	J	1.7	µg/Kg-dry	1	7/19/04 2:08:00 PM	HLR
Ethylbenzene	NELAP	4.9		ND	µg/Kg-dry	1	7/19/04 2:08:00 PM	HLR
Xylenes, Total	NELAP	4.9	J	1.3	µg/Kg-dry	1	7/19/04 2:08:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		101	%REC	1	7/19/04 2:08:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		86.2	%REC	1	7/19/04 2:08:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		99.2	%REC	1	7/19/04 2:08:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		97.8	%REC	1	7/19/04 2:08:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-003
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B510-12 (11-12)
Collection Date: 7/12/04 12:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		12.0	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		88.0	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Acenaphthylene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Anthracene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Benzo(a)anthracene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Benzo(a)pyrene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Chrysene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Fluoranthene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Fluorene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Naphthalene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Phenanthrene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Pyrene	NELAP	0.099		ND	mg/Kg-dry	1	7/16/04 2:47:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		68.7	%REC	1	7/16/04 2:47:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		65.7	%REC	1	7/16/04 2:47:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		75.3	%REC	1	7/16/04 2:47:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		1.3	µg/Kg-dry	1	7/19/04 2:39:00 PM	HLR
Toluene	NELAP	3.9	J	1.8	µg/Kg-dry	1	7/19/04 2:39:00 PM	HLR
Ethylbenzene	NELAP	3.9		ND	µg/Kg-dry	1	7/19/04 2:39:00 PM	HLR
Xylenes, Total	NELAP	3.9	J	1.0	µg/Kg-dry	1	7/19/04 2:39:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		106	%REC	1	7/19/04 2:39:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.3	%REC	1	7/19/04 2:39:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		100	%REC	1	7/19/04 2:39:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	1	7/19/04 2:39:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-004
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B510-28 (27-28)
Collection Date: 7/12/04 12:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		13.8	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		86.2	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Acenaphthylene	NELAP	0.097	J	0.010	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Anthracene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Benzo(a)anthracene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Benzo(a)pyrene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Chrysene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Fluoranthene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Fluorene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Naphthalene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Phenanthrene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Pyrene	NELAP	0.097		ND	mg/Kg-dry	1	7/16/04 3:26:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		72.2	%REC	1	7/16/04 3:26:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		65.4	%REC	1	7/16/04 3:26:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		78.4	%REC	1	7/16/04 3:26:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		1.0	µg/Kg-dry	1	7/22/04 5:06:00 PM	HLR
Toluene	NELAP	4.3	J	1.2	µg/Kg-dry	1	7/22/04 5:06:00 PM	HLR
Ethylbenzene	NELAP	4.3		ND	µg/Kg-dry	1	7/22/04 5:06:00 PM	HLR
Xylenes, Total	NELAP	4.3	J	1.4	µg/Kg-dry	1	7/22/04 5:06:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		117	%REC	1	7/22/04 5:06:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		83.8	%REC	1	7/22/04 5:06:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		106	%REC	1	7/22/04 5:06:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		96.0	%REC	1	7/22/04 5:06:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-005
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B512-3 (2-3)
Collection Date: 7/12/04 2:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		10.9	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		89.1	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.45		21.6	mg/Kg-dry	1	7/27/04 9:41:23 AM	JMW
Barium	NELAP	0.49		98.0	mg/Kg-dry	1	7/24/04 6:44:08 PM	SAM
Cadmium	NELAP	0.20		1.01	mg/Kg-dry	1	7/24/04 6:44:08 PM	SAM
Chromium	NELAP	0.98		26.7	mg/Kg-dry	1	7/26/04 5:33:12 PM	JMW
Lead	NELAP	3.92		158	mg/Kg-dry	1	7/24/04 6:44:08 PM	SAM
Selenium	NELAP	3.92		< 3.92	mg/Kg-dry	1	7/24/04 6:44:08 PM	SAM
Silver	NELAP	0.98		< 0.98	mg/Kg-dry	1	7/24/04 6:44:08 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.737	J	0.33	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Acenaphthylene	NELAP	0.737		1.23	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Anthracene	NELAP	0.737		1.74	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Benzo(a)anthracene	NELAP	0.737		2.87	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Benzo(a)pyrene	NELAP	0.737		2.94	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.737		4.31	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.737		1.34	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.737		1.50	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Chrysene	NELAP	0.737		3.23	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.737	J	0.43	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Fluoranthene	NELAP	0.737		7.83	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Fluorene	NELAP	0.737		1.07	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.737		1.62	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Naphthalene	NELAP	0.737	J	0.58	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Phenanthrene	NELAP	0.737		5.99	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Pyrene	NELAP	0.737		6.02	mg/Kg-dry	1	7/18/04 5:54:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		83.7	%REC	1	7/18/04 5:54:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		72.3	%REC	1	7/18/04 5:54:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		87.0	%REC	1	7/18/04 5:54:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	0.9		8.3	µg/Kg-dry	1	7/18/04 2:58:00 AM	HLR
Toluene	NELAP	4.6		4.9	µg/Kg-dry	1	7/18/04 2:58:00 AM	HLR
Ethylbenzene	NELAP	4.6	J	1.3	µg/Kg-dry	1	7/18/04 2:58:00 AM	HLR
Xylenes, Total	NELAP	4.6	J	3.8	µg/Kg-dry	1	7/18/04 2:58:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-005
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B512-3 (2-3)
Collection Date: 7/12/04 2:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		107	%REC	1	7/18/04 2:58:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	73.6	%REC	1	7/18/04 2:58:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		103	%REC	1	7/18/04 2:58:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		89.1	%REC	1	7/18/04 2:58:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.011		0.291	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	2.77		68.7	mg/kg-dry	5	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.44		1	7/15/04 4:49:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-006
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B512-8 (7-8)
Collection Date: 7/12/04 2:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.2	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.8	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.45		10.3	mg/Kg-dry	1	7/27/04 9:43:20 AM	JMW
Barium	NELAP	0.49		224	mg/Kg-dry	1	7/24/04 6:49:54 PM	SAM
Cadmium	NELAP	0.20		0.28	mg/Kg-dry	1	7/24/04 6:49:54 PM	SAM
Chromium	NELAP	0.98		18.8	mg/Kg-dry	1	7/26/04 5:42:08 PM	JMW
Lead	NELAP	3.92		15.0	mg/Kg-dry	1	7/24/04 6:49:54 PM	SAM
Selenium	NELAP	3.92		< 3.92	mg/Kg-dry	1	7/24/04 6:49:54 PM	SAM
Silver	NELAP	0.98		< 0.98	mg/Kg-dry	1	7/24/04 6:49:54 PM	SAM
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	62.3		830 #	mg/Kg-dry	10	7/20/04 12:04:00 PM	CJS
Kerosene	NELAP	62.3		ND	mg/Kg-dry	10	7/20/04 12:04:00 PM	CJS
Mineral Spirits	NELAP	62.3		ND	mg/Kg-dry	10	7/20/04 12:04:00 PM	CJS
Motor Oil	NELAP	62.3		ND	mg/Kg-dry	10	7/20/04 12:04:00 PM	CJS
Surr: n-Tetracontane	NELAP	50.6-140		75.0	%REC	10	7/20/04 12:04:00 PM	CJS
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
1,2-Dichlorobenzene	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
1,3-Dichlorobenzene	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
1,4-Dichlorobenzene	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2,4,5-Trichlorophenol	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2,4,6-Trichlorophenol	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2,4-Dichlorophenol	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2,4-Dimethylphenol	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2,4-Dinitrophenol	NELAP	1.26		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2,4-Dinitrotoluene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2,6-Dinitrotoluene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2-Chloronaphthalene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2-Chlorophenol	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2-Methylnaphthalene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2-Nitroaniline	NELAP	1.26		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
2-Nitrophenol	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
3,3'-Dichlorobenzidine	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
3-Nitroaniline	NELAP	1.26		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-006
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B512-8 (7-8)
Collection Date: 7/12/04 2:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4,6-Dinitro-2-methylphenol	NELAP	1.26		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
4-Bromophenyl phenyl ether	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
4-Chloro-3-methylphenol	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
4-Chloroaniline	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
4-Chlorophenyl phenyl ether	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
4-Nitroaniline	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
4-Nitrophenol	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Acenaphthene	NELAP	0.442	J	0.30	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Acenaphthylene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Anthracene	NELAP	0.442	J	0.15	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Benzo(a)anthracene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Benzo(a)pyrene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Bis(2-chloroethoxy)methane	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Bis(2-chloroethyl)ether	NELAP	0.575		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Bis(2-chloroisopropyl)ether	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Butyl benzyl phthalate	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Carbazole		0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Chrysene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Di-n-butyl phthalate	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Di-n-octyl phthalate	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Dibenzofuran	NELAP	0.442	J	0.30	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Diethyl phthalate	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Dimethyl phthalate		0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Fluoranthene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Fluorene	NELAP	0.442	J	0.31	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Hexachlorobenzene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Hexachlorobutadiene	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Hexachlorocyclopentadiene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Hexachloroethane	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Isophorone	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
m,p-Cresol	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-006
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B512-8 (7-8)
Collection Date: 7/12/04 2:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
N-Nitroso-di-n-propylamine	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
N-Nitrosodiphenylamine	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Naphthalene	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Nitrobenzene	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
o-Cresol	NELAP	0.631		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Pentachlorophenol	NELAP	2.52		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Phenanthrene	NELAP	0.442		0.644	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Phenol	NELAP	0.442		ND	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Pyrene	NELAP	0.631	J	0.15	mg/Kg-dry	1	7/20/04 8:51:00 AM	DMH
Surr: 2,4,6-Tribromophenol		31-123	S	126	%REC	1	7/20/04 8:51:00 AM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		79.1	%REC	1	7/20/04 8:51:00 AM	DMH
Surr: 2-Fluorophenol		27-111		81.0	%REC	1	7/20/04 8:51:00 AM	DMH
Surr: Nitrobenzene-d5		28.9-113		52.1	%REC	1	7/20/04 8:51:00 AM	DMH
Surr: p-Terphenyl-d14		25-144		78.2	%REC	1	7/20/04 8:51:00 AM	DMH
Surr: Phenol-d5		33.7-123		93.6	%REC	1	7/20/04 8:51:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1-Trichloroethane	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
1,1,2-Trichloroethane	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
1,1-Dichloroethane	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
1,1-Dichloroethene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
1,2-Dichloroethane	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
1,2-Dichloropropane	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
2-Butanone	NELAP	1220	J	470	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
2-Hexanone	NELAP	1220		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
4-Methyl-2-pentanone	NELAP	1220		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Acetone	NELAP	1220		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Benzene	NELAP	24.4		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Bromodichloromethane	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Bromoform	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Bromomethane	NELAP	244		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Carbon disulfide	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Carbon tetrachloride	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Chlorobenzene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Chloroethane	NELAP	244		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Chloroform	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Chloromethane	NELAP	244		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-006
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B512-8 (7-8)
Collection Date: 7/12/04 2:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
cis-1,2-Dichloroethene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	97.6		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Dibromochloromethane	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Ethylbenzene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Methyl tert-butyl ether	NELAP	48.8		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Methylene chloride	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Styrene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Tetrachloroethene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Toluene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	97.6		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Trichloroethene	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Vinyl chloride	NELAP	48.8		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Xylenes, Total	NELAP	122		ND	µg/Kg-dry	12.5	7/18/04 7:27:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		99.2	%REC	12.5	7/18/04 7:27:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.9	%REC	12.5	7/18/04 7:27:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		91.0	%REC	12.5	7/18/04 7:27:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	12.5	7/18/04 7:27:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.037	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015. MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/23/04 4:10:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.56		1	7/15/04 4:50:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-007
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B512-11 (10-11)
Collection Date: 7/12/04 3:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		15.2	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		84.8	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.579	J	0.18	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Acenaphthylene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Anthracene	NELAP	0.579	J	0.083	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Benzo(a)anthracene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Benzo(a)pyrene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Chrysene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Fluoranthene	NELAP	0.579	J	0.066	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Fluorene	NELAP	0.579	J	0.16	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.579		ND	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Naphthalene	NELAP	0.579	J	0.10	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Phenanthrene	NELAP	0.579	J	0.32	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Pyrene	NELAP	0.579	J	0.087	mg/Kg-dry	1	7/16/04 4:05:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		76.6	%REC	1	7/16/04 4:05:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		72.1	%REC	1	7/16/04 4:05:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		81.1	%REC	1	7/16/04 4:05:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		0.9	µg/Kg-dry	1	7/22/04 5:38:00 PM	HLR
Toluene	NELAP	4.4	J	1.1	µg/Kg-dry	1	7/22/04 5:38:00 PM	HLR
Ethylbenzene	NELAP	4.4		ND	µg/Kg-dry	1	7/22/04 5:38:00 PM	HLR
Xylenes, Total	NELAP	4.4	J	1.8	µg/Kg-dry	1	7/22/04 5:38:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		105	%REC	1	7/22/04 5:38:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		94.1	%REC	1	7/22/04 5:38:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		97.7	%REC	1	7/22/04 5:38:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		98.4	%REC	1	7/22/04 5:38:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-008
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B512-24 (23-24)
Collection Date: 7/12/04 3:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.5	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.5	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Acenaphthylene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Anthracene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Benzo(a)anthracene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Benzo(a)pyrene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Chrysene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Fluoranthene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Fluorene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Naphthalene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Phenanthrene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Pyrene	NELAP	0.101		ND	mg/Kg-dry	1	7/16/04 4:45:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		71.6	%REC	1	7/16/04 4:45:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		70.4	%REC	1	7/16/04 4:45:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		76.3	%REC	1	7/16/04 4:45:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		1.2	µg/Kg-dry	1	7/18/04 4:01:00 AM	HLR
Toluene	NELAP	3.7	J	1.2	µg/Kg-dry	1	7/18/04 4:01:00 AM	HLR
Ethylbenzene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 4:01:00 AM	HLR
Xylenes, Total	NELAP	3.7	J	1.2	µg/Kg-dry	1	7/18/04 4:01:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		102	%REC	1	7/18/04 4:01:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		85.3	%REC	1	7/18/04 4:01:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		96.0	%REC	1	7/18/04 4:01:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		96.8	%REC	1	7/18/04 4:01:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-009
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-2 (1-2)
Collection Date: 7/12/04 3:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		19.6	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		80.4	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		13.6	mg/Kg-dry	1	7/26/04 5:45:08 PM	JMW
Barium	NELAP	0.50		129	mg/Kg-dry	1	7/24/04 6:54:57 PM	SAM
Cadmium	NELAP	0.20		0.36	mg/Kg-dry	1	7/24/04 6:54:57 PM	SAM
Chromium	NELAP	1.00		22.4	mg/Kg-dry	1	7/26/04 5:45:08 PM	JMW
Lead	NELAP	4.00		470	mg/Kg-dry	1	7/24/04 6:54:57 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/24/04 6:54:57 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/24/04 6:54:57 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.121	J	0.052	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Acenaphthylene	NELAP	0.121	J	0.10	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Anthracene	NELAP	0.121		0.221	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Benzo(a)anthracene	NELAP	0.121		0.803	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Benzo(a)pyrene	NELAP	0.121		0.821	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.121		1.33	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.121		0.307	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.121		0.492	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Chrysene	NELAP	0.121		0.934	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.121	J	0.12	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Fluoranthene	NELAP	0.121		1.70	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Fluorene	NELAP	0.121	J	0.051	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.121		0.404	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Naphthalene	NELAP	0.121	J	0.052	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Phenanthrene	NELAP	0.121		0.837	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Pyrene	NELAP	0.121		1.34	mg/Kg-dry	1	7/18/04 6:33:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		78.3	%REC	1	7/18/04 6:33:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		68.0	%REC	1	7/18/04 6:33:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		81.8	%REC	1	7/18/04 6:33:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.1		7.6	µg/Kg-dry	1	7/18/04 4:32:00 AM	HLR
Toluene	NELAP	5.4	J	3.2	µg/Kg-dry	1	7/18/04 4:32:00 AM	HLR
Ethylbenzene	NELAP	5.4		ND	µg/Kg-dry	1	7/18/04 4:32:00 AM	HLR
Xylenes, Total	NELAP	5.4	J	1.8	µg/Kg-dry	1	7/18/04 4:32:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-009
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-2 (1-2)
Collection Date: 7/12/04 3:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		101	%REC	1	7/18/04 4:32:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.4	%REC	1	7/18/04 4:32:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		97.6	%REC	1	7/18/04 4:32:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.4	%REC	1	7/18/04 4:32:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.352	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.60		17.0	mg/kg-dry	1	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		6.83		1	7/15/04 4:52:00 PM	EAW

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-010
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-2D (1-2)
Collection Date: 7/12/04 4:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.3	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.7	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		10.6	mg/Kg-dry	1	7/27/04 9:50:10 AM	JMW
Barium	NELAP	0.50		124	mg/Kg-dry	1	7/24/04 7:00:00 PM	SAM
Cadmium	NELAP	0.20	J	0.15	mg/Kg-dry	1	7/24/04 7:00:00 PM	SAM
Chromium	NELAP	1.00		19.2	mg/Kg-dry	1	7/26/04 5:48:14 PM	JMW
Lead	NELAP	4.00		83.6	mg/Kg-dry	1	7/24/04 7:00:00 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/24/04 7:00:00 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/24/04 7:00:00 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.629		ND	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Acenaphthylene	NELAP	0.629		ND	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Anthracene	NELAP	0.629		ND	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Benzo(a)anthracene	NELAP	0.629	J	0.18	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Benzo(a)pyrene	NELAP	0.629	J	0.19	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.629	J	0.37	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.629	J	0.11	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.629	J	0.13	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Chrysene	NELAP	0.629	J	0.26	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.629		ND	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Fluoranthene	NELAP	0.629	J	0.33	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Fluorene	NELAP	0.629		ND	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.629	J	0.10	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Naphthalene	NELAP	0.629	J	0.096	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Phenanthrene	NELAP	0.629	J	0.14	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Pyrene	NELAP	0.629	J	0.34	mg/Kg-dry	1	7/16/04 7:59:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		70.7	%REC	1	7/16/04 7:59:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		65.3	%REC	1	7/16/04 7:59:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		74.7	%REC	1	7/16/04 7:59:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.1		3.9	µg/Kg-dry	1	7/18/04 5:03:00 AM	HLR
Toluene	NELAP	5.7	J	2.7	µg/Kg-dry	1	7/18/04 5:03:00 AM	HLR
Ethylbenzene	NELAP	5.7		ND	µg/Kg-dry	1	7/18/04 5:03:00 AM	HLR
Xylenes, Total	NELAP	5.7	J	1.2	µg/Kg-dry	1	7/18/04 5:03:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-010
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-2D (1-2)
Collection Date: 7/12/04 4:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		106	%REC	1	7/18/04 5:03:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.8	%REC	1	7/18/04 5:03:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		98.2	%REC	1	7/18/04 5:03:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	1	7/18/04 5:03:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.053	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.61		13.8	mg/kg-dry	1	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		5.91		1	7/15/04 4:54:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-011
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-8 (7-8)
Collection Date: 7/12/04 4:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		14.5	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		85.5	%	1	7/16/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	144		884 #	mg/Kg-dry	25	7/20/04 2:57:00 PM	CJS
Kerosene	NELAP	144		ND	mg/Kg-dry	25	7/20/04 2:57:00 PM	CJS
Mineral Spirits	NELAP	144		ND	mg/Kg-dry	25	7/20/04 2:57:00 PM	CJS
Motor Oil	NELAP	144		ND	mg/Kg-dry	25	7/20/04 2:57:00 PM	CJS
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	25	7/20/04 2:57:00 PM	CJS
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.660		1.58	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Acenaphthylene	NELAP	0.660		2.04	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Anthracene	NELAP	0.660		2.78	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Benzo(a)anthracene	NELAP	0.660		1.15	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Benzo(a)pyrene	NELAP	0.660		0.954	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.660		0.822	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.660	J	0.42	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.660	J	0.28	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Chrysene	NELAP	0.660		1.09	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.660	J	0.11	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Fluoranthene	NELAP	0.660		2.07	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Fluorene	NELAP	0.660		4.23	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.660	J	0.43	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Naphthalene	NELAP	0.660		ND	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Phenanthrene	NELAP	0.660		9.26	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Pyrene	NELAP	0.660		3.17	mg/Kg-dry	1	7/18/04 3:53:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		81.2	%REC	1	7/18/04 3:53:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		60.0	%REC	1	7/18/04 3:53:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		71.2	%REC	1	7/18/04 3:53:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	20.2		ND	µg/Kg-dry	12.5	7/22/04 6:09:00 PM	HLR
Toluene	NELAP	101		ND	µg/Kg-dry	12.5	7/22/04 6:09:00 PM	HLR
Ethylbenzene	NELAP	101	J	36	µg/Kg-dry	12.5	7/22/04 6:09:00 PM	HLR
Xylenes, Total	NELAP	101	J	44	µg/Kg-dry	12.5	7/22/04 6:09:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		97.0	%REC	12.5	7/22/04 6:09:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.2	%REC	12.5	7/22/04 6:09:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-011
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-8 (7-8)
Collection Date: 7/12/04 4:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		94.0	%REC	12.5	7/22/04 6:09:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	12.5	7/22/04 6:09:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-12 (11-12)
Collection Date: 7/12/04 5:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		10.9	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		89.1	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		4.07	mg/Kg-dry	1	7/27/04 10:24:25 AM	JMW
Barium	NELAP	0.50		33.1	mg/Kg-dry	1	7/24/04 7:05:03 PM	SAM
Cadmium	NELAP	0.20		< 0.20	mg/Kg-dry	1	7/24/04 7:05:03 PM	SAM
Chromium	NELAP	1.00		18.2	mg/Kg-dry	1	7/26/04 5:51:12 PM	JMW
Lead	NELAP	4.00		10.9	mg/Kg-dry	1	7/24/04 7:05:03 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/24/04 7:05:03 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/24/04 7:05:03 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
1,2-Dichlorobenzene	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
1,3-Dichlorobenzene	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
1,4-Dichlorobenzene	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2,4,5-Trichlorophenol	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2,4,6-Trichlorophenol	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2,4-Dichlorophenol	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2,4-Dimethylphenol	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2,4-Dinitrophenol	NELAP	1.11		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2,4-Dinitrotoluene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2,6-Dinitrotoluene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2-Chloronaphthalene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2-Chlorophenol	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2-Methylnaphthalene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
2-Nitrophenol	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
3,3'-Dichlorobenzidine	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
3-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
4,6-Dinitro-2-methylphenol	NELAP	1.11		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
4-Bromophenyl phenyl ether	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
4-Chloro-3-methylphenol	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
4-Chloroaniline	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
4-Chlorophenyl phenyl ether	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
4-Nitroaniline	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-12 (11-12)
Collection Date: 7/12/04 5:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Acenaphthene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Acenaphthylene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Anthracene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Benzo(a)anthracene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Benzo(a)pyrene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Bis(2-chloroethoxy)methane	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Bis(2-chloroethyl)ether	NELAP	0.508		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Bis(2-chloroisopropyl)ether	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Butyl benzyl phthalate	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Carbazole		0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Chrysene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Di-n-butyl phthalate	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Di-n-octyl phthalate	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Dibenzofuran	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Diethyl phthalate	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Dimethyl phthalate		0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Fluoranthene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Fluorene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Hexachlorobenzene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Hexachlorobutadiene	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Hexachlorocyclopentadiene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Hexachloroethane	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Isophorone	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
m,p-Cresol	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
N-Nitroso-di-n-propylamine	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
N-Nitrosodiphenylamine	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Naphthalene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Nitrobenzene	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
o-Cresol	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Pentachlorophenol	NELAP	2.23		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-12 (11-12)
Collection Date: 7/12/04 5:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Phenol	NELAP	0.390		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Pyrene	NELAP	0.557		ND	mg/Kg-dry	1	7/20/04 9:31:00 AM	DMH
Surr: 2,4,6-Tribromophenol		31-123		105	%REC	1	7/20/04 9:31:00 AM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		82.8	%REC	1	7/20/04 9:31:00 AM	DMH
Surr: 2-Fluorophenol		27-111		74.1	%REC	1	7/20/04 9:31:00 AM	DMH
Surr: Nitrobenzene-d5		28.9-113		72.6	%REC	1	7/20/04 9:31:00 AM	DMH
Surr: p-Terphenyl-d14		25-144		94.1	%REC	1	7/20/04 9:31:00 AM	DMH
Surr: Phenol-d5		33.7-123		87.6	%REC	1	7/20/04 9:31:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
1,1,2-Trichloroethane	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
1,1-Dichloroethane	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
1,1-Dichloroethene	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
1,2-Dichloroethane	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
1,2-Dichloropropane	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
2-Butanone	NELAP	40.7		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
2-Hexanone	NELAP	40.7		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
4-Methyl-2-pentanone	NELAP	40.7		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Acetone	NELAP	40.7	J	19	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Benzene	NELAP	0.8		1.8	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Bromodichloromethane	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Bromoform	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Bromomethane	NELAP	8.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Carbon disulfide	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Carbon tetrachloride	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Chlorobenzene	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Chloroethane	NELAP	8.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Chloroform	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Chloromethane	NELAP	8.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	3.3		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Dibromochloromethane	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Ethylbenzene	NELAP	4.1	J	1.5	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Methyl tert-butyl ether	NELAP	1.6		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Methylene chloride	NELAP	4.1	J	1.0	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-12 (11-12)
Collection Date: 7/12/04 5:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Tetrachloroethene	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Toluene	NELAP	4.1	J	3.7	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	3.3		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Trichloroethene	NELAP	4.1		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Vinyl chloride	NELAP	1.6		ND	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Xylenes, Total	NELAP	4.1	J	3.5	µg/Kg-dry	1	7/18/04 7:59:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	1	7/18/04 7:59:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		98.5	%REC	1	7/18/04 7:59:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		95.6	%REC	1	7/18/04 7:59:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	1	7/18/04 7:59:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.011	J	0.006	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/23/04 4:26:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.97		1	7/15/04 4:56:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-013
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B513-24 (23-24)
Collection Date: 7/12/04 5:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.5	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.5	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Acenaphthylene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Anthracene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Benzo(a)anthracene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Benzo(a)pyrene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Chrysene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Fluoranthene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Fluorene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Naphthalene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Phenanthrene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Pyrene	NELAP	0.307		ND	mg/Kg-dry	1	7/16/04 5:24:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		61.6	%REC	1	7/16/04 5:24:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		60.0	%REC	1	7/16/04 5:24:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		68.8	%REC	1	7/16/04 5:24:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		1.0	µg/Kg-dry	1	7/18/04 6:06:00 AM	HLR
Toluene	NELAP	3.8	J	1.0	µg/Kg-dry	1	7/18/04 6:06:00 AM	HLR
Ethylbenzene	NELAP	3.8		ND	µg/Kg-dry	1	7/18/04 6:06:00 AM	HLR
Xylenes, Total	NELAP	3.8	J	1.0	µg/Kg-dry	1	7/18/04 6:06:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	1	7/18/04 6:06:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.2	%REC	1	7/18/04 6:06:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		97.1	%REC	1	7/18/04 6:06:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		98.4	%REC	1	7/18/04 6:06:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-014
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-2 (1-2)
Collection Date: 7/13/04 8:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		19.9	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		80.1	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		9.28	mg/Kg-dry	1	7/27/04 10:26:21 AM	JMW
Barium	NELAP	0.50		143	mg/Kg-dry	1	7/24/04 7:10:20 PM	SAM
Cadmium	NELAP	0.20		0.28	mg/Kg-dry	1	7/24/04 7:10:20 PM	SAM
Chromium	NELAP	1.00		19.6	mg/Kg-dry	1	7/26/04 5:54:12 PM	JMW
Lead	NELAP	4.00		58.0	mg/Kg-dry	1	7/24/04 7:10:20 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/24/04 7:10:20 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/24/04 7:10:20 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.124		ND	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Acenaphthylene	NELAP	0.124	J	0.078	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Anthracene	NELAP	0.124	J	0.041	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Benzo(a)anthracene	NELAP	0.124		0.272	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Benzo(a)pyrene	NELAP	0.124		0.365	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.124		0.491	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.124		0.210	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.124		0.189	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Chrysene	NELAP	0.124		0.323	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.124	J	0.061	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Fluoranthene	NELAP	0.124		0.445	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Fluorene	NELAP	0.124		ND	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.124		0.238	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Naphthalene	NELAP	0.124	J	0.033	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Phenanthrene	NELAP	0.124		0.172	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Pyrene	NELAP	0.124		0.439	mg/Kg-dry	1	7/18/04 5:15:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		76.3	%REC	1	7/18/04 5:15:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		64.7	%REC	1	7/18/04 5:15:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		81.2	%REC	1	7/18/04 5:15:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.1		1.9	µg/Kg-dry	1	7/18/04 6:37:00 AM	HLR
Toluene	NELAP	5.3		ND	µg/Kg-dry	1	7/18/04 6:37:00 AM	HLR
Ethylbenzene	NELAP	5.3		ND	µg/Kg-dry	1	7/18/04 6:37:00 AM	HLR
Xylenes, Total	NELAP	5.3		ND	µg/Kg-dry	1	7/18/04 6:37:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-014
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-2 (1-2)
Collection Date: 7/13/04 8:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		102	%REC	1	7/18/04 6:37:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.0	%REC	1	7/18/04 6:37:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		96.2	%REC	1	7/18/04 6:37:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		102	%REC	1	7/18/04 6:37:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.215	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.62		1.38	mg/kg-dry	1	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.76		1	7/16/04 10:43:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-015
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-8 (7-8)
Collection Date: 7/13/04 9:10:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		19.7	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		80.3	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.301	J	0.050	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Acenaphthylene	NELAP	0.301	J	0.24	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Anthracene	NELAP	0.301	J	0.18	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Benzo(a)anthracene	NELAP	0.301	J	0.18	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Benzo(a)pyrene	NELAP	0.301	J	0.27	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.301	J	0.25	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.301	J	0.063	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.301	J	0.097	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Chrysene	NELAP	0.301	J	0.17	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.301		ND	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Fluoranthene	NELAP	0.301		0.336	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Fluorene	NELAP	0.301		0.328	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.301	J	0.064	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Naphthalene	NELAP	0.301		ND	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Phenanthrene	NELAP	0.301	J	0.038	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Pyrene	NELAP	0.301		0.502	mg/Kg-dry	1	7/16/04 9:17:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		64.8	%REC	1	7/16/04 9:17:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		54.7	%REC	1	7/16/04 9:17:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		69.4	%REC	1	7/16/04 9:17:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	24.6		183	µg/Kg-dry	12.5	7/18/04 7:08:00 AM	HLR
Toluene	NELAP	123		ND	µg/Kg-dry	12.5	7/18/04 7:08:00 AM	HLR
Ethylbenzene	NELAP	123	J	41	µg/Kg-dry	12.5	7/18/04 7:08:00 AM	HLR
Xylenes, Total	NELAP	123	J	41	µg/Kg-dry	12.5	7/18/04 7:08:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		101	%REC	12.5	7/18/04 7:08:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		99.2	%REC	12.5	7/18/04 7:08:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		93.5	%REC	12.5	7/18/04 7:08:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	12.5	7/18/04 7:08:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-016
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-15 (14-15)
Collection Date: 7/13/04 9:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		11.3	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		88.7	%	1	7/16/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	141		1050 #	mg/Kg-dry	25	7/21/04 4:47:00 AM	CJS
Kerosene	NELAP	141		ND	mg/Kg-dry	25	7/21/04 4:47:00 AM	CJS
Mineral Spirits	NELAP	141		ND	mg/Kg-dry	25	7/21/04 4:47:00 AM	CJS
Motor Oil	NELAP	141		388 #	mg/Kg-dry	25	7/21/04 4:47:00 AM	CJS
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	25	7/21/04 4:47:00 AM	CJS
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	27.4		38.6	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Acenaphthylene	NELAP	27.4		57.7	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Anthracene	NELAP	27.4		130	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Benzo(a)anthracene	NELAP	27.4		66.8	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Benzo(a)pyrene	NELAP	27.4		68.4	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Benzo(b)fluoranthene	NELAP	27.4		72.5	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	27.4	J	22	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Benzo(k)fluoranthene	NELAP	27.4	J	21	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Chrysene	NELAP	27.4		63.5	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	27.4	J	7.3	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Fluoranthene	NELAP	27.4		162	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Fluorene	NELAP	27.4		124	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	27.4	J	24	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Naphthalene	NELAP	274		920	mg/Kg-dry	500	7/25/04 6:12:00 PM	DMH
Phenanthrene	NELAP	27.4		346	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Pyrene	NELAP	27.4		165	mg/Kg-dry	50	7/23/04 4:06:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	50	7/23/04 4:06:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	50	7/23/04 4:06:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	50	7/23/04 4:06:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	160		16400	µg/Kg-dry	100	7/22/04 6:41:00 PM	HLR
Toluene	NELAP	801		6900	µg/Kg-dry	100	7/22/04 6:41:00 PM	HLR
Ethylbenzene	NELAP	801		2420	µg/Kg-dry	100	7/22/04 6:41:00 PM	HLR
Xylenes, Total	NELAP	801		16900	µg/Kg-dry	100	7/22/04 6:41:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		100	%REC	100	7/22/04 6:41:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.0	%REC	100	7/22/04 6:41:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-016
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-15 (14-15)
Collection Date: 7/13/04 9:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		96.6	%REC	100	7/22/04 6:41:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	100	7/22/04 6:41:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-24 (23-24)
Collection Date: 7/13/04 9:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.4	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.6	%	1	7/16/04	JRS
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.36		3.46	mg/Kg-dry	1	7/27/04 10:02:24 AM	JMW
Barium	NELAP	0.47		14.7	mg/Kg-dry	1	7/24/04 7:15:39 PM	SAM
Cadmium	NELAP	0.19	J	0.10	mg/Kg-dry	1	7/24/04 7:15:39 PM	SAM
Chromium	NELAP	0.94		13.6	mg/Kg-dry	1	7/26/04 5:57:12 PM	JMW
Lead	NELAP	3.77		8.07	mg/Kg-dry	1	7/24/04 7:15:39 PM	SAM
Selenium	NELAP	3.77		< 3.77	mg/Kg-dry	1	7/24/04 7:15:39 PM	SAM
Silver	NELAP	0.94		< 0.94	mg/Kg-dry	1	7/24/04 7:15:39 PM	SAM
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
1,2-Dichlorobenzene	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
1,3-Dichlorobenzene	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
1,4-Dichlorobenzene	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2,4,5-Trichlorophenol	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2,4,6-Trichlorophenol	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2,4-Dichlorophenol	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2,4-Dimethylphenol	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2,4-Dinitrophenol	NELAP	1.11		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2,4-Dinitrotoluene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2,6-Dinitrotoluene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2-Chloronaphthalene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2-Chlorophenol	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2-Methylnaphthalene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
2-Nitrophenol	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
3,3'-Dichlorobenzidine	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
3-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
4,6-Dinitro-2-methylphenol	NELAP	1.11		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
4-Bromophenyl phenyl ether	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
4-Chloro-3-methylphenol	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
4-Chloroaniline	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
4-Chlorophenyl phenyl ether	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
4-Nitroaniline	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-24 (23-24)
Collection Date: 7/13/04 9:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Acenaphthene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Acenaphthylene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Anthracene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Benzo(a)anthracene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Benzo(a)pyrene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Bis(2-chloroethoxy)methane	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Bis(2-chloroethyl)ether	NELAP	0.506		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Bis(2-chloroisopropyl)ether	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	0.388		0.836	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Butyl benzyl phthalate	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Carbazole		0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Chrysene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Di-n-butyl phthalate	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Di-n-octyl phthalate	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Dibenzofuran	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Diethyl phthalate	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Dimethyl phthalate		0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Fluoranthene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Fluorene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Hexachlorobenzene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Hexachlorobutadiene	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Hexachlorocyclopentadiene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Hexachloroethane	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Isophorone	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
m,p-Cresol	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
N-Nitroso-di-n-propylamine	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
N-Nitrosodiphenylamine	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Naphthalene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Nitrobenzene	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
o-Cresol	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Pentachlorophenol	NELAP	2.22		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-24 (23-24)
Collection Date: 7/13/04 9:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Phenol	NELAP	0.388		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Pyrene	NELAP	0.555		ND	mg/Kg-dry	1	7/20/04 10:09:00 AM	DMH
Surr: 2,4,6-Tribromophenol		31-123		85.9	%REC	1	7/20/04 10:09:00 AM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		84.9	%REC	1	7/20/04 10:09:00 AM	DMH
Surr: 2-Fluorophenol		27-111		75.6	%REC	1	7/20/04 10:09:00 AM	DMH
Surr: Nitrobenzene-d5		28.9-113		74.6	%REC	1	7/20/04 10:09:00 AM	DMH
Surr: p-Terphenyl-d14		25-144		90.8	%REC	1	7/20/04 10:09:00 AM	DMH
Surr: Phenol-d5		33.7-123		88.6	%REC	1	7/20/04 10:09:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
1,1,2-Trichloroethane	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
1,1-Dichloroethane	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
1,1-Dichloroethene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
1,2-Dichloroethane	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
1,2-Dichloropropane	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
2-Butanone	NELAP	37.1		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
2-Hexanone	NELAP	37.1		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
4-Methyl-2-pentanone	NELAP	37.1		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Acetone	NELAP	37.1	J	8.3	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Benzene	NELAP	0.7		1.6	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Bromodichloromethane	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Bromoform	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Bromomethane	NELAP	7.4		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Carbon disulfide	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Carbon tetrachloride	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Chlorobenzene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Chloroethane	NELAP	7.4		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Chloroform	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Chloromethane	NELAP	7.4		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	3.0		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Dibromochloromethane	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Ethylbenzene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Methyl tert-butyl ether	NELAP	1.5		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Methylene chloride	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B501-24 (23-24)
Collection Date: 7/13/04 9:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Tetrachloroethene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Toluene	NELAP	3.7	J	1.6	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	3.0		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Trichloroethene	NELAP	3.7		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Vinyl chloride	NELAP	1.5		ND	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Xylenes, Total	NELAP	3.7	J	2.0	µg/Kg-dry	1	7/18/04 8:30:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	1	7/18/04 8:30:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		88.7	%REC	1	7/18/04 8:30:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		96.8	%REC	1	7/18/04 8:30:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		98.4	%REC	1	7/18/04 8:30:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.011	J	0.009	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/23/04 4:42:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		8.00		1	7/16/04 10:45:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-018
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B502-3 (2-3)
Collection Date: 7/13/04 10:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.0	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		91.0	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		58.5	mg/Kg-dry	1	7/26/04 6:00:11 PM	JMW
Barium	NELAP	0.48		58.3	mg/Kg-dry	1	7/24/04 7:20:56 PM	SAM
Cadmium	NELAP	0.19		0.50	mg/Kg-dry	1	7/24/04 7:20:56 PM	SAM
Chromium	NELAP	0.96		8.81	mg/Kg-dry	1	7/26/04 6:00:11 PM	JMW
Lead	NELAP	3.85		21.7	mg/Kg-dry	1	7/24/04 7:20:56 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/24/04 7:20:56 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/24/04 7:20:56 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.290		ND	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Acenaphthylene	NELAP	0.290	J	0.034	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Anthracene	NELAP	0.290		ND	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Benzo(a)anthracene	NELAP	0.290	J	0.11	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Benzo(a)pyrene	NELAP	0.290	J	0.16	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.290	J	0.23	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.290	J	0.12	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.290	J	0.084	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Chrysene	NELAP	0.290	J	0.12	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.290		ND	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Fluoranthene	NELAP	0.290	J	0.11	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Fluorene	NELAP	0.290		ND	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.290	J	0.084	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Naphthalene	NELAP	0.290	J	0.12	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Phenanthrene	NELAP	0.290	J	0.078	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Pyrene	NELAP	0.290	J	0.14	mg/Kg-dry	1	7/16/04 9:56:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		79.3	%REC	1	7/16/04 9:56:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		67.1	%REC	1	7/16/04 9:56:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		80.6	%REC	1	7/16/04 9:56:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.0		3.4	µg/Kg-dry	1	7/22/04 7:13:00 PM	HLR
Toluene	NELAP	5.1		5.5	µg/Kg-dry	1	7/22/04 7:13:00 PM	HLR
Ethylbenzene	NELAP	5.1	J	2.1	µg/Kg-dry	1	7/22/04 7:13:00 PM	HLR
Xylenes, Total	NELAP	5.1		6.5	µg/Kg-dry	1	7/22/04 7:13:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-018
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B502-3 (2-3)
Collection Date: 7/13/04 10:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		115	%REC	1	7/22/04 7:13:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		91.5	%REC	1	7/22/04 7:13:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		106	%REC	1	7/22/04 7:13:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		98.8	%REC	1	7/22/04 7:13:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.011		0.037	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.55		1.02	mg/kg-dry	1	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		8.09		1	7/19/04 11:23:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-019
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B502-7 (6-7)
Collection Date: 7/13/04 11:05:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		18.8	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		81.2	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	8.98		15.5	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Acenaphthylene	NELAP	8.98	J	2.7	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Anthracene	NELAP	8.98		11.7	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Benzo(a)anthracene	NELAP	8.98	J	8.7	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Benzo(a)pyrene	NELAP	8.98	J	4.1	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Benzo(b)fluoranthene	NELAP	8.98		17.6	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	8.98	J	4.0	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Benzo(k)fluoranthene	NELAP	8.98	J	5.6	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Chrysene	NELAP	8.98		18.6	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	8.98	J	1.9	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Fluoranthene	NELAP	8.98		16.9	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Fluorene	NELAP	8.98		20.1	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	8.98	J	4.7	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Naphthalene	NELAP	8.98		59.4	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Phenanthrene	NELAP	8.98		49.6	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Pyrene	NELAP	8.98		24.9	mg/Kg-dry	25	7/21/04 4:52:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		79.8	%REC	25	7/21/04 4:52:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		64.8	%REC	25	7/21/04 4:52:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		99.7	%REC	25	7/21/04 4:52:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	52.6		10900	µg/Kg-dry	25	7/22/04 7:44:00 PM	HLR
Toluene	NELAP	263	J	220	µg/Kg-dry	25	7/22/04 7:44:00 PM	HLR
Ethylbenzene	NELAP	263		5660	µg/Kg-dry	25	7/22/04 7:44:00 PM	HLR
Xylenes, Total	NELAP	263		11000	µg/Kg-dry	25	7/22/04 7:44:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		102	%REC	25	7/22/04 7:44:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		94.7	%REC	25	7/22/04 7:44:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		96.9	%REC	25	7/22/04 7:44:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	25	7/22/04 7:44:00 PM	HLR

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-020
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B502-12 (11-12)
Collection Date: 7/13/04 11:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		19.6	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		80.4	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		7.47	mg/Kg-dry	1	7/26/04 6:04:11 PM	JMW
Barium	NELAP	0.48		52.0	mg/Kg-dry	1	7/24/04 7:26:13 PM	SAM
Cadmium	NELAP	0.19	J	0.17	mg/Kg-dry	1	7/24/04 7:26:13 PM	SAM
Chromium	NELAP	0.96		11.8	mg/Kg-dry	1	7/26/04 6:04:11 PM	JMW
Lead	NELAP	3.85		12.3	mg/Kg-dry	1	7/24/04 7:26:13 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/24/04 7:26:13 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/24/04 7:26:13 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	37.2	J	36	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Acenaphthylene	NELAP	37.2		50.3	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Anthracene	NELAP	37.2		64.5	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Benzo(a)anthracene	NELAP	37.2		54.5	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Benzo(a)pyrene	NELAP	37.2		48.3	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Benzo(b)fluoranthene	NELAP	37.2		56.0	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	37.2	J	13	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Benzo(k)fluoranthene	NELAP	37.2	J	17	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Chrysene	NELAP	37.2		55.7	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	37.2	J	5.5	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Fluoranthene	NELAP	37.2		144	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Fluorene	NELAP	37.2		115	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	37.2	J	17	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Naphthalene	NELAP	186		682	mg/Kg-dry	500	7/25/04 6:51:00 PM	DMH
Phenanthrene	NELAP	37.2		271	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Pyrene	NELAP	37.2		113	mg/Kg-dry	100	7/23/04 3:27:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	100	7/23/04 3:27:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	100	7/23/04 3:27:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	100	7/23/04 3:27:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	660		30300	µg/Kg-dry	250	7/22/04 8:16:00 PM	HLR
Toluene	NELAP	3300		108000	µg/Kg-dry	250	7/22/04 8:16:00 PM	HLR
Ethylbenzene	NELAP	3300		25300	µg/Kg-dry	250	7/22/04 8:16:00 PM	HLR
Xylenes, Total	NELAP	3300		226000	µg/Kg-dry	250	7/22/04 8:16:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-020
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B502-12 (11-12)
Collection Date: 7/13/04 11:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	250	7/22/04 8:16:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.6	%REC	250	7/22/04 8:16:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		98.8	%REC	250	7/22/04 8:16:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	250	7/22/04 8:16:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.050	mg/Kg-dry	1	7/22/04	SRS

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-021
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-3 (2-3)
Collection Date: 7/13/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		19.4	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		80.6	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		8.31	mg/Kg-dry	1	7/27/04 10:30:14 AM	JMW
Barium	NELAP	0.50		99.6	mg/Kg-dry	1	7/24/04 7:31:31 PM	SAM
Cadmium	NELAP	0.20		0.30	mg/Kg-dry	1	7/24/04 7:31:31 PM	SAM
Chromium	NELAP	1.00		18.1	mg/Kg-dry	1	7/26/04 6:07:11 PM	JMW
Lead	NELAP	4.00		202	mg/Kg-dry	1	7/24/04 7:31:31 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/24/04 7:31:31 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/24/04 7:31:31 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
1,2-Dichlorobenzene	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
1,3-Dichlorobenzene	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
1,4-Dichlorobenzene	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2,4,5-Trichlorophenol	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2,4-Dichlorophenol	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2,4-Dimethylphenol	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2,4-Dinitrophenol	NELAP	378		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2,4-Dinitrotoluene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2,6-Dinitrotoluene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2-Chloronaphthalene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2-Chlorophenol	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2-Methylnaphthalene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2-Nitroaniline	NELAP	378		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
2-Nitrophenol	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
3,3'-Dichlorobenzidine	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
3-Nitroaniline	NELAP	378		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
4,6-Dinitro-2-methylphenol	NELAP	378		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
4-Bromophenyl phenyl ether	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
4-Chloro-3-methylphenol	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
4-Chloroaniline	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
4-Chlorophenyl phenyl ether	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
4-Nitroaniline	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-021
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-3 (2-3)
Collection Date: 7/13/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Acenaphthene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Acenaphthylene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Anthracene	NELAP	132	J	51	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Benzo(a)anthracene	NELAP	132	J	69	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Benzo(a)pyrene	NELAP	132	J	67	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Benzo(b)fluoranthene	NELAP	132	J	76	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Benzo(k)fluoranthene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Bis(2-chloroethoxy)methane	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Bis(2-chloroethyl)ether	NELAP	172		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Bis(2-chloroisopropyl)ether	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Butyl benzyl phthalate	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Carbazole		189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Chrysene	NELAP	132	J	62	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Di-n-butyl phthalate	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Di-n-octyl phthalate	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Dibenzofuran	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Diethyl phthalate	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Dimethyl phthalate		132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Fluoranthene	NELAP	132	J	120	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Fluorene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Hexachlorobenzene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Hexachlorobutadiene	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Hexachlorocyclopentadiene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Hexachloroethane	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Isophorone	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
m,p-Cresol	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
N-Nitroso-di-n-propylamine	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
N-Nitrosodiphenylamine	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Naphthalene	NELAP	132	J	71	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Nitrobenzene	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
o-Cresol	NELAP	189		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Pentachlorophenol	NELAP	757		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-021
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-3 (2-3)
Collection Date: 7/13/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	132	J	130	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Phenol	NELAP	132		ND	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Pyrene	NELAP	189	J	110	mg/Kg-dry	50	7/20/04 4:03:00 PM	DMH
Surr: 2,4,6-Tribromophenol		31-123		55.6	%REC	50	7/20/04 4:03:00 PM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		81.7	%REC	50	7/20/04 4:03:00 PM	DMH
Surr: 2-Fluorophenol		27-111		52.4	%REC	50	7/20/04 4:03:00 PM	DMH
Surr: Nitrobenzene-d5		28.9-113		61.0	%REC	50	7/20/04 4:03:00 PM	DMH
Surr: p-Terphenyl-d14		25-144		73.0	%REC	50	7/20/04 4:03:00 PM	DMH
Surr: Phenol-d5		33.7-123		59.9	%REC	50	7/20/04 4:03:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
1,1,2-Trichloroethane	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
1,1-Dichloroethane	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
1,1-Dichloroethene	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
1,2-Dichloroethane	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
1,2-Dichloropropane	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
2-Butanone	NELAP	8660		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
2-Hexanone	NELAP	8660		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
4-Methyl-2-pentanone	NELAP	8660		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Acetone	NELAP	8660		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Benzene	NELAP	173		13900	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Bromodichloromethane	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Bromoform	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Bromomethane	NELAP	1730		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Carbon disulfide	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Carbon tetrachloride	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Chlorobenzene	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Chloroethane	NELAP	1730		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Chloroform	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Chloromethane	NELAP	1730		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	693		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Dibromochloromethane	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Ethylbenzene	NELAP	866		4240	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Methyl tert-butyl ether	NELAP	347		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Methylene chloride	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-021
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-3 (2-3)
Collection Date: 7/13/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Tetrachloroethene	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Toluene	NELAP	866		6280	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	693		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Trichloroethene	NELAP	866		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Vinyl chloride	NELAP	347		ND	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Xylenes, Total	NELAP	866		9920	µg/Kg-dry	50	7/18/04 9:01:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		97.3	%REC	50	7/18/04 9:01:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.6	%REC	50	7/18/04 9:01:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		92.7	%REC	50	7/18/04 9:01:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		99.2	%REC	50	7/18/04 9:01:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.167	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		12		ND	mg/Kg-dry	1	7/23/04 4:58:00 PM	SML
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.61		11.7	mg/kg-dry	1	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.68		1	7/19/04 11:25:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-3D (2-3)
Collection Date: 7/13/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		47.8	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		52.2	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		2.68	mg/Kg-dry	1	7/27/04 11:06:41 AM	JMW
Barium	NELAP	0.48		41.3	mg/Kg-dry	1	7/24/04 7:46:49 PM	SAM
Cadmium	NELAP	0.19		0.23	mg/Kg-dry	1	7/24/04 7:46:49 PM	SAM
Chromium	NELAP	0.96		17.2	mg/Kg-dry	1	7/26/04 6:10:11 PM	JMW
Lead	NELAP	3.85		67.6	mg/Kg-dry	1	7/24/04 7:46:49 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/24/04 7:46:49 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/24/04 7:46:49 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
1,2-Dichlorobenzene	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
1,3-Dichlorobenzene	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
1,4-Dichlorobenzene	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2,4,5-Trichlorophenol	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2,4-Dichlorophenol	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2,4-Dimethylphenol	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2,4-Dinitrophenol	NELAP	582		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2,4-Dinitrotoluene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2,6-Dinitrotoluene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2-Chloronaphthalene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2-Chlorophenol	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2-Methylnaphthalene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2-Nitroaniline	NELAP	582		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
2-Nitrophenol	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
3,3'-Dichlorobenzidine	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
3-Nitroaniline	NELAP	582		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
4,6-Dinitro-2-methylphenol	NELAP	582		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
4-Bromophenyl phenyl ether	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
4-Chloro-3-methylphenol	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
4-Chloroaniline	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
4-Chlorophenyl phenyl ether	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
4-Nitroaniline	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-3D (2-3)
Collection Date: 7/13/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Acenaphthene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Acenaphthylene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Anthracene	NELAP	204	J	110	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Benzo(a)anthracene	NELAP	204	J	140	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Benzo(a)pyrene	NELAP	204	J	140	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Benzo(b)fluoranthene	NELAP	204	J	170	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Benzo(k)fluoranthene	NELAP	204	J	69	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Bis(2-chloroethoxy)methane	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Bis(2-chloroethyl)ether	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Bis(2-chloroisopropyl)ether	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Butyl benzyl phthalate	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Carbazole		291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Chrysene	NELAP	204	J	140	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Di-n-butyl phthalate	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Di-n-octyl phthalate	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Dibenzofuran	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Diethyl phthalate	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Dimethyl phthalate		204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Fluoranthene	NELAP	204		241	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Fluorene	NELAP	204	J	76	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Hexachlorobenzene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Hexachlorobutadiene	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Hexachlorocyclopentadiene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Hexachloroethane	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Isophorone	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
m,p-Cresol	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
N-Nitroso-di-n-propylamine	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
N-Nitrosodiphenylamine	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Naphthalene	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Nitrobenzene	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
o-Cresol	NELAP	291		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Pentachlorophenol	NELAP	1160		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-3D (2-3)
Collection Date: 7/13/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	204		249	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Phenol	NELAP	204		ND	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Pyrene	NELAP	291	J	210	mg/Kg-dry	50	7/20/04 4:42:00 PM	DMH
Surr: 2,4,6-Tribromophenol		31-123		56.1	%REC	50	7/20/04 4:42:00 PM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		69.1	%REC	50	7/20/04 4:42:00 PM	DMH
Surr: 2-Fluorophenol		27-111		70.0	%REC	50	7/20/04 4:42:00 PM	DMH
Surr: Nitrobenzene-d5		28.9-113		62.9	%REC	50	7/20/04 4:42:00 PM	DMH
Surr: p-Terphenyl-d14		25-144		68.0	%REC	50	7/20/04 4:42:00 PM	DMH
Surr: Phenol-d5		33.7-123		75.7	%REC	50	7/20/04 4:42:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
1,1,2-Trichloroethane	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
1,1-Dichloroethane	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
1,1-Dichloroethene	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
1,2-Dichloroethane	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
1,2-Dichloropropane	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
2-Butanone	NELAP	11700		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
2-Hexanone	NELAP	11700		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
4-Methyl-2-pentanone	NELAP	11700		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Acetone	NELAP	11700		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Benzene	NELAP	233		11100	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Bromodichloromethane	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Bromoform	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Bromomethane	NELAP	2330		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Carbon disulfide	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Carbon tetrachloride	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Chlorobenzene	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Chloroethane	NELAP	2330		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Chloroform	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Chloromethane	NELAP	2330		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	932		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Dibromochloromethane	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Ethylbenzene	NELAP	1170		4030	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Methyl tert-butyl ether	NELAP	466		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Methylene chloride	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-3D (2-3)
Collection Date: 7/13/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Tetrachloroethene	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Toluene	NELAP	1170		5670	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	932		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Trichloroethene	NELAP	1170		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Vinyl chloride	NELAP	466		ND	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Xylenes, Total	NELAP	1170		8750	µg/Kg-dry	50	7/18/04 9:33:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		99.1	%REC	50	7/18/04 9:33:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		97.4	%REC	50	7/18/04 9:33:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		94.0	%REC	50	7/18/04 9:33:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	50	7/18/04 9:33:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.019		0.172	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		19		ND	mg/Kg-dry	1	7/23/04 5:14:00 PM	SML
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	4.68		63.3	mg/kg-dry	5	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.56		1	7/19/04 11:26:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-10 (9-10)
Collection Date: 7/13/04 1:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		25.6	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		74.4	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.298		1.58	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Acenaphthylene	NELAP	0.298		0.316	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Anthracene	NELAP	0.298		1.38	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Benzo(a)anthracene	NELAP	0.298		0.630	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Benzo(a)pyrene	NELAP	0.298		0.515	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.298		0.633	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.298	J	0.11	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.298	J	0.24	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Chrysene	NELAP	0.298		0.651	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.298	J	0.045	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Fluoranthene	NELAP	0.298		1.85	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Fluorene	NELAP	0.298		1.23	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.298	J	0.13	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Naphthalene	NELAP	4.01		16.0	mg/Kg-dry	10	7/18/04 2:34:00 PM	DMH
Phenanthrene	NELAP	0.298		3.48	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Pyrene	NELAP	0.298		1.52	mg/Kg-dry	1	7/16/04 10:35:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		75.5	%REC	1	7/16/04 10:35:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		63.1	%REC	1	7/16/04 10:35:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		69.5	%REC	1	7/16/04 10:35:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	59.6		534	µg/Kg-dry	25	7/22/04 8:47:00 PM	HLR
Toluene	NELAP	298		300	µg/Kg-dry	25	7/22/04 8:47:00 PM	HLR
Ethylbenzene	NELAP	298		523	µg/Kg-dry	25	7/22/04 8:47:00 PM	HLR
Xylenes, Total	NELAP	298		837	µg/Kg-dry	25	7/22/04 8:47:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		102	%REC	25	7/22/04 8:47:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.0	%REC	25	7/22/04 8:47:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		96.3	%REC	25	7/22/04 8:47:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		102	%REC	25	7/22/04 8:47:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-024
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-11 (10-11)
Collection Date: 7/13/04 1:40:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		26.6	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		73.4	%	1	7/16/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	6.78		222 #	mg/Kg-dry	1	7/23/04 11:12:00 AM	DMH
Kerosene	NELAP	6.78		ND	mg/Kg-dry	1	7/23/04 11:12:00 AM	DMH
Mineral Spirits	NELAP	6.78		ND	mg/Kg-dry	1	7/23/04 11:12:00 AM	DMH
Motor Oil	NELAP	6.78		87 #	mg/Kg-dry	1	7/23/04 11:12:00 AM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		97.8	%REC	1	7/23/04 11:12:00 AM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Acenaphthylene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Anthracene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Benzo(a)anthracene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Benzo(a)pyrene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Chrysene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Fluoranthene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Fluorene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Naphthalene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Phenanthrene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Pyrene	NELAP	0.421		ND	mg/Kg-dry	1	7/18/04 4:35:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		56.3	%REC	1	7/18/04 4:35:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		59.0	%REC	1	7/18/04 4:35:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		78.1	%REC	1	7/18/04 4:35:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	31.5		223	µg/Kg-dry	12.5	7/23/04 9:52:00 AM	HLR
Toluene	NELAP	157	J	120	µg/Kg-dry	12.5	7/23/04 9:52:00 AM	HLR
Ethylbenzene	NELAP	157		372	µg/Kg-dry	12.5	7/23/04 9:52:00 AM	HLR
Xylenes, Total	NELAP	157		458	µg/Kg-dry	12.5	7/23/04 9:52:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		92.4	%REC	12.5	7/23/04 9:52:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		91.1	%REC	12.5	7/23/04 9:52:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-024
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-11 (10-11)
Collection Date: 7/13/04 1:40:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		93.0	%REC	12.5	7/23/04 9:52:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	12.5	7/23/04 9:52:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-025
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B503-19 (18-19)
Collection Date: 7/13/04 1:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		11.8	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		88.2	%	1	7/16/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	3.25		5.43	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Acenaphthylene	NELAP	3.25		46.9	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Anthracene	NELAP	3.25		12.4	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Benzo(a)anthracene	NELAP	3.25		31.3	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Benzo(a)pyrene	NELAP	16.2		81.5	mg/Kg-dry	50	7/26/04 1:59:00 AM	DMH
Benzo(b)fluoranthene	NELAP	16.2		88.1	mg/Kg-dry	50	7/26/04 1:59:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	16.2		23.0	mg/Kg-dry	50	7/26/04 1:59:00 AM	DMH
Benzo(k)fluoranthene	NELAP	16.2		25.0	mg/Kg-dry	50	7/26/04 1:59:00 AM	DMH
Chrysene	NELAP	3.25		34.5	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	16.2	J	5.8	mg/Kg-dry	50	7/26/04 1:59:00 AM	DMH
Fluoranthene	NELAP	3.25		37.4	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Fluorene	NELAP	3.25		13.3	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	16.2		21.4	mg/Kg-dry	50	7/26/04 1:59:00 AM	DMH
Naphthalene	NELAP	3.25		7.71	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Phenanthrene	NELAP	3.25		17.9	mg/Kg-dry	10	7/21/04 1:09:00 PM	DMH
Pyrene	NELAP	16.2		59.8	mg/Kg-dry	50	7/26/04 1:59:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		51.9	%REC	10	7/21/04 1:09:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		35.9	%REC	10	7/21/04 1:09:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		65.7	%REC	10	7/21/04 1:09:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	106		3000	µg/Kg-dry	50	7/23/04 10:23:00 AM	HLR
Toluene	NELAP	528		835	µg/Kg-dry	50	7/23/04 10:23:00 AM	HLR
Ethylbenzene	NELAP	528		ND	µg/Kg-dry	50	7/23/04 10:23:00 AM	HLR
Xylenes, Total	NELAP	528		ND	µg/Kg-dry	50	7/23/04 10:23:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		106	%REC	50	7/23/04 10:23:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.3	%REC	50	7/23/04 10:23:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		98.9	%REC	50	7/23/04 10:23:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		102	%REC	50	7/23/04 10:23:00 AM	HLR

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-026
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-3 (2-3)
Collection Date: 7/13/04 2:50:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		26.0	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		74.0	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.45		15.4	mg/Kg-dry	1	7/27/04 10:34:08 AM	JMW
Barium	NELAP	0.49		152	mg/Kg-dry	1	7/24/04 7:51:53 PM	SAM
Cadmium	NELAP	0.20		1.68	mg/Kg-dry	1	7/24/04 7:51:53 PM	SAM
Chromium	NELAP	0.98		13.6	mg/Kg-dry	1	7/26/04 6:19:08 PM	JMW
Lead	NELAP	3.92		221	mg/Kg-dry	1	7/24/04 7:51:53 PM	SAM
Selenium	NELAP	3.92		< 3.92	mg/Kg-dry	1	7/24/04 7:51:53 PM	SAM
Silver	NELAP	0.98		< 0.98	mg/Kg-dry	1	7/24/04 7:51:53 PM	SAM
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	663		6720 #	mg/Kg-dry	5	7/23/04 11:41:00 AM	DMH
Kerosene	NELAP	663		ND	mg/Kg-dry	5	7/23/04 11:41:00 AM	DMH
Mineral Spirits	NELAP	663		ND	mg/Kg-dry	5	7/23/04 11:41:00 AM	DMH
Motor Oil	NELAP	663		13200 #	mg/Kg-dry	5	7/23/04 11:41:00 AM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	5	7/23/04 11:41:00 AM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.131		0.613	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Acenaphthylene	NELAP	0.131		0.152	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Anthracene	NELAP	0.131		0.458	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Benzo(a)anthracene	NELAP	0.131		0.251	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Benzo(a)pyrene	NELAP	0.131		0.193	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.131		0.210	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.131	J	0.064	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.131	J	0.086	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Chrysene	NELAP	0.131		0.242	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.131	J	0.025	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Fluoranthene	NELAP	0.131		0.678	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Fluorene	NELAP	0.131		0.428	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.131	J	0.081	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Naphthalene	NELAP	1.31		6.79	mg/Kg-dry	10	7/21/04 4:13:00 AM	DMH
Phenanthrene	NELAP	0.131		1.14	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Pyrene	NELAP	0.131		0.524	mg/Kg-dry	1	7/18/04 3:13:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		88.1	%REC	1	7/18/04 3:13:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		74.9	%REC	1	7/18/04 3:13:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-026
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-3 (2-3)
Collection Date: 7/13/04 2:50:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: p-Terphenyl-d14		10-130		83.6	%REC	1	7/18/04 3:13:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.7		87.7	µg/Kg-dry	1	7/23/04 9:20:00 AM	HLR
Toluene	NELAP	8.6		38.3	µg/Kg-dry	1	7/23/04 9:20:00 AM	HLR
Ethylbenzene	NELAP	8.6		32.1	µg/Kg-dry	1	7/23/04 9:20:00 AM	HLR
Xylenes, Total	NELAP	8.6		65.3	µg/Kg-dry	1	7/23/04 9:20:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	128	%REC	1	7/23/04 9:20:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	64.1	%REC	1	7/23/04 9:20:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121	S	127	%REC	1	7/23/04 9:20:00 AM	HLR
Surr: Toluene-d8		82.8-112.8	S	75.1	%REC	1	7/23/04 9:20:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.338	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	3.16		55.5	mg/kg-dry	5	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.61		1	7/16/04 10:46:00 AM	EAW

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-027
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-7 (6-7)
Collection Date: 7/13/04 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		29.9	%	1	7/16/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		70.1	%	1	7/16/04	JRS
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.31		< 2.31	mg/Kg-dry	1	7/27/04 11:11:28 AM	JMW
Barium	NELAP	0.46		63.8	mg/Kg-dry	1	7/24/04 7:57:10 PM	SAM
Cadmium	NELAP	0.19		0.31	mg/Kg-dry	1	7/24/04 7:57:10 PM	SAM
Chromium	NELAP	0.93		14.7	mg/Kg-dry	1	7/26/04 6:22:08 PM	JMW
Lead	NELAP	3.70		16.4	mg/Kg-dry	1	7/24/04 7:57:10 PM	SAM
Selenium	NELAP	3.70		< 3.70	mg/Kg-dry	1	7/24/04 7:57:10 PM	SAM
Silver	NELAP	0.93		< 0.93	mg/Kg-dry	1	7/24/04 7:57:10 PM	SAM
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
1,2-Dichlorobenzene	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
1,3-Dichlorobenzene	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
1,4-Dichlorobenzene	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2,4,5-Trichlorophenol	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2,4-Dichlorophenol	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2,4-Dimethylphenol	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2,4-Dinitrophenol	NELAP	456		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2,4-Dinitrotoluene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2,6-Dinitrotoluene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2-Chloronaphthalene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2-Chlorophenol	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2-Methylnaphthalene	NELAP	160		1180	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2-Nitroaniline	NELAP	456		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
2-Nitrophenol	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
3,3'-Dichlorobenzidine	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
3-Nitroaniline	NELAP	456		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
4,6-Dinitro-2-methylphenol	NELAP	456		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
4-Bromophenyl phenyl ether	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
4-Chloro-3-methylphenol	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
4-Chloroaniline	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
4-Chlorophenyl phenyl ether	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
4-Nitroaniline	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-027
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-7 (6-7)
Collection Date: 7/13/04 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Acenaphthene	NELAP	160		594	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Acenaphthylene	NELAP	160	J	71	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Anthracene	NELAP	160		303	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Benzo(a)anthracene	NELAP	160		169	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Benzo(a)pyrene	NELAP	160	J	130	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Benzo(b)fluoranthene	NELAP	160	J	110	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Benzo(k)fluoranthene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Bis(2-chloroethoxy)methane	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Bis(2-chloroethyl)ether	NELAP	208		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Bis(2-chloroisopropyl)ether	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Butyl benzyl phthalate	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Carbazole		228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Chrysene	NELAP	160	J	150	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Di-n-butyl phthalate	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Di-n-octyl phthalate	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Dibenzofuran	NELAP	160	J	69	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Diethyl phthalate	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Dimethyl phthalate		160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Fluoranthene	NELAP	160		317	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Fluorene	NELAP	160		406	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Hexachlorobenzene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Hexachlorobutadiene	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Hexachlorocyclopentadiene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Hexachloroethane	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Isophorone	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
m,p-Cresol	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
N-Nitroso-di-n-propylamine	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
N-Nitrosodiphenylamine	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Naphthalene	NELAP	160		2000	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Nitrobenzene	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
o-Cresol	NELAP	228		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Pentachlorophenol	NELAP	912		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-027
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-7 (6-7)
Collection Date: 7/13/04 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	160		1120	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Phenol	NELAP	160		ND	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Pyrene	NELAP	228		436	mg/Kg-dry	50	7/20/04 2:04:00 PM	DMH
Surr: 2,4,6-Tribromophenol		31-123		45.4	%REC	50	7/20/04 2:04:00 PM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		73.0	%REC	50	7/20/04 2:04:00 PM	DMH
Surr: 2-Fluorophenol		27-111		55.9	%REC	50	7/20/04 2:04:00 PM	DMH
Surr: Nitrobenzene-d5		28.9-113		74.3	%REC	50	7/20/04 2:04:00 PM	DMH
Surr: p-Terphenyl-d14		25-144		67.8	%REC	50	7/20/04 2:04:00 PM	DMH
Surr: Phenol-d5		33.7-123		65.1	%REC	50	7/20/04 2:04:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
1,1,2-Trichloroethane	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
1,1-Dichloroethane	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
1,1-Dichloroethene	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
1,2-Dichloroethane	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
1,2-Dichloropropane	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
2-Butanone	NELAP	44100		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
2-Hexanone	NELAP	44100		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
4-Methyl-2-pentanone	NELAP	44100		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Acetone	NELAP	44100		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Benzene	NELAP	883		20800	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Bromodichloromethane	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Bromoform	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Bromomethane	NELAP	8830		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Carbon disulfide	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Carbon tetrachloride	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Chlorobenzene	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Chloroethane	NELAP	8830		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Chloroform	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Chloromethane	NELAP	8830		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	3530		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Dibromochloromethane	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Ethylbenzene	NELAP	4410		145000	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Methyl tert-butyl ether	NELAP	1770		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Methylene chloride	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-027
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-7 (6-7)
Collection Date: 7/13/04 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Tetrachloroethene	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Toluene	NELAP	4410		10900	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	3530		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Trichloroethene	NELAP	4410		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Vinyl chloride	NELAP	1770		ND	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Xylenes, Total	NELAP	4410		140000	µg/Kg-dry	250	7/18/04 10:04:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		99.8	%REC	250	7/18/04 10:04:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.6	%REC	250	7/18/04 10:04:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		94.3	%REC	250	7/18/04 10:04:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	250	7/18/04 10:04:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.026	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		14		ND	mg/Kg-dry	1	7/23/04 5:30:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.74		1	7/16/04 10:47:00 AM	EAW

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-028
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-7D (6-7)
Collection Date: 7/13/04 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		28.7	%	1	7/16/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		71.3	%	1	7/16/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.31		5.86	mg/Kg-dry	1	7/27/04 10:38:09 AM	JMW
Barium	NELAP	0.46		60.6	mg/Kg-dry	1	7/24/04 8:02:28 PM	SAM
Cadmium	NELAP	0.19		0.38	mg/Kg-dry	1	7/24/04 8:02:28 PM	SAM
Chromium	NELAP	0.93		11.7	mg/Kg-dry	1	7/26/04 6:25:15 PM	JMW
Lead	NELAP	3.70		22.0	mg/Kg-dry	1	7/24/04 8:02:28 PM	SAM
Selenium	NELAP	3.70		< 3.70	mg/Kg-dry	1	7/24/04 8:02:28 PM	SAM
Silver	NELAP	0.93		< 0.93	mg/Kg-dry	1	7/24/04 8:02:28 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
1,2-Dichlorobenzene	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
1,3-Dichlorobenzene	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
1,4-Dichlorobenzene	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2,4,5-Trichlorophenol	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2,4-Dichlorophenol	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2,4-Dimethylphenol	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2,4-Dinitrophenol	NELAP	462		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2,4-Dinitrotoluene	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2,6-Dinitrotoluene	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2-Chloronaphthalene	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2-Chlorophenol	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2-Methylnaphthalene	NELAP	162		1280	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2-Nitroaniline	NELAP	462		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
2-Nitrophenol	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
3,3'-Dichlorobenzidine	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
3-Nitroaniline	NELAP	462		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
4,6-Dinitro-2-methylphenol	NELAP	462		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
4-Bromophenyl phenyl ether	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
4-Chloro-3-methylphenol	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
4-Chloroaniline	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
4-Chlorophenyl phenyl ether	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
4-Nitroaniline	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-028
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-7D (6-7)
Collection Date: 7/13/04 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Acenaphthene	NELAP	162		626	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Acenaphthylene	NELAP	162	J	72	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Anthracene	NELAP	162		317	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Benzo(a)anthracene	NELAP	162		170	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Benzo(a)pyrene	NELAP	162	J	140	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Benzo(b)fluoranthene	NELAP	162	J	110	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Benzo(k)fluoranthene	NELAP	162	J	44	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Bis(2-chloroethoxy)methane	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Bis(2-chloroethyl)ether	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Bis(2-chloroisopropyl)ether	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Butyl benzyl phthalate	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Carbazole		231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Chrysene	NELAP	162	J	150	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Di-n-butyl phthalate	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Di-n-octyl phthalate	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Dibenzofuran	NELAP	162	J	70	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Diethyl phthalate	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Dimethyl phthalate		162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Fluoranthene	NELAP	162		324	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Fluorene	NELAP	162		428	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Hexachlorobenzene	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Hexachlorobutadiene	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Hexachlorocyclopentadiene	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Hexachloroethane	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Isophorone	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
m,p-Cresol	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
N-Nitroso-di-n-propylamine	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
N-Nitrosodiphenylamine	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Naphthalene	NELAP	162		2150	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Nitrobenzene	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
o-Cresol	NELAP	231		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Pentachlorophenol	NELAP	925		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-028
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-7D (6-7)
Collection Date: 7/13/04 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	162		1150	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Phenol	NELAP	162		ND	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Pyrene	NELAP	231		444	mg/Kg-dry	50	7/20/04 2:44:00 PM	DMH
Surr: 2,4,6-Tribromophenol		31-123		51.0	%REC	50	7/20/04 2:44:00 PM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		77.9	%REC	50	7/20/04 2:44:00 PM	DMH
Surr: 2-Fluorophenol		27-111		59.1	%REC	50	7/20/04 2:44:00 PM	DMH
Surr: Nitrobenzene-d5		28.9-113		66.9	%REC	50	7/20/04 2:44:00 PM	DMH
Surr: p-Terphenyl-d14		25-144		68.2	%REC	50	7/20/04 2:44:00 PM	DMH
Surr: Phenol-d5		33.7-123		69.2	%REC	50	7/20/04 2:44:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
1,1,2-Trichloroethane	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
1,1-Dichloroethane	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
1,1-Dichloroethene	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
1,2-Dichloroethane	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
1,2-Dichloropropane	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
2-Butanone	NELAP	49100		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
2-Hexanone	NELAP	49100		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
4-Methyl-2-pentanone	NELAP	49100		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Acetone	NELAP	49100		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Benzene	NELAP	982		26300	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Bromodichloromethane	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Bromoform	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Bromomethane	NELAP	9820		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Carbon disulfide	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Carbon tetrachloride	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Chlorobenzene	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Chloroethane	NELAP	9820		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Chloroform	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Chloromethane	NELAP	9820		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	3930		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Dibromochloromethane	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Ethylbenzene	NELAP	4910		203000	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Methyl tert-butyl ether	NELAP	1960		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Methylene chloride	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-028
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-7D (6-7)
Collection Date: 7/13/04 3:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Tetrachloroethene	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Toluene	NELAP	4910		14800	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	3930		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Trichloroethene	NELAP	4910		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Vinyl chloride	NELAP	1960		ND	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Xylenes, Total	NELAP	4910		196000	µg/Kg-dry	250	7/20/04 2:54:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		110	%REC	250	7/20/04 2:54:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.1	%REC	250	7/20/04 2:54:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		102	%REC	250	7/20/04 2:54:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		102	%REC	250	7/20/04 2:54:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.014		0.048	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		14		ND	mg/Kg-dry	1	7/23/04 5:46:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.52		1	7/16/04 10:51:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-029
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-14 (13-14)
Collection Date: 7/13/04 4:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		12.2	%	1	7/19/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		87.8	%	1	7/19/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	11.4		48.7	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Acenaphthylene	NELAP	11.4		19.8	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Anthracene	NELAP	11.4		33.5	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Benzo(a)anthracene	NELAP	11.4		16.6	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Benzo(a)pyrene	NELAP	11.4		15.8	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Benzo(b)fluoranthene	NELAP	11.4		11.9	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	11.4	J	4.9	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Benzo(k)fluoranthene	NELAP	11.4	J	4.0	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Chrysene	NELAP	11.4		16.2	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	11.4	J	1.4	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Fluoranthene	NELAP	11.4		36.3	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Fluorene	NELAP	11.4		47.9	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	11.4	J	4.7	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Naphthalene	NELAP	11.4		231	mg/Kg-dry	100	7/23/04 1:28:00 PM	DMH
Phenanthrene	NELAP	11.4		115	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Pyrene	NELAP	11.4		54.0	mg/Kg-dry	10	7/19/04 12:13:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		120	%REC	10	7/19/04 12:13:00 AM	DMH
Surr: Nitrobenzene-d5		10-130	S	0	%REC	10	7/19/04 12:13:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		130	%REC	10	7/19/04 12:13:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	158		15100	µg/Kg-dry	100	7/22/04 10:53:00 PM	HLR
Toluene	NELAP	790		8240	µg/Kg-dry	100	7/22/04 10:53:00 PM	HLR
Ethylbenzene	NELAP	790		28500	µg/Kg-dry	100	7/22/04 10:53:00 PM	HLR
Xylenes, Total	NELAP	790		24000	µg/Kg-dry	100	7/22/04 10:53:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		91.9	%REC	100	7/22/04 10:53:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		92.2	%REC	100	7/22/04 10:53:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		91.6	%REC	100	7/22/04 10:53:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		99.9	%REC	100	7/22/04 10:53:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-030
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-21 (20-21)
Collection Date: 7/14/04 9:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.0	%	1	7/19/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		91.0	%	1	7/19/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	539		8550 #	mg/Kg-dry	100	7/23/04 12:10:00 PM	DMH
Kerosene	NELAP	539		ND	mg/Kg-dry	100	7/23/04 12:10:00 PM	DMH
Mineral Spirits	NELAP	539		ND	mg/Kg-dry	100	7/23/04 12:10:00 PM	DMH
Motor Oil	NELAP	539		2490 #	mg/Kg-dry	100	7/23/04 12:10:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	100	7/23/04 12:10:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	10.2		21.5	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Acenaphthylene	NELAP	10.2		148	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Anthracene	NELAP	10.2		107	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Benzo(a)anthracene	NELAP	10.2		58.8	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Benzo(a)pyrene	NELAP	10.2		66.5	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Benzo(b)fluoranthene	NELAP	10.2		50.4	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	10.2		15.2	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Benzo(k)fluoranthene	NELAP	10.2		15.7	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Chrysene	NELAP	10.2		62.3	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	10.2	J	4.6	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Fluoranthene	NELAP	10.2		122	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Fluorene	NELAP	10.2		123	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	10.2		15.0	mg/Kg-dry	10	7/19/04 2:10:00 AM	DMH
Naphthalene	NELAP	102		332	mg/Kg-dry	100	7/21/04 2:54:00 AM	DMH
Phenanthrene	NELAP	102		320	mg/Kg-dry	100	7/21/04 2:54:00 AM	DMH
Pyrene	NELAP	102		192	mg/Kg-dry	100	7/21/04 2:54:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130	S	150	%REC	10	7/19/04 2:10:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		39.9	%REC	10	7/19/04 2:10:00 AM	DMH
Surr: p-Terphenyl-d14		10-130	S	140	%REC	10	7/19/04 2:10:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	376		33100	µg/Kg-dry	250	7/23/04 3:35:00 AM	HLR
Toluene	NELAP	1880		8760	µg/Kg-dry	250	7/23/04 3:35:00 AM	HLR
Ethylbenzene	NELAP	1880	J	1100	µg/Kg-dry	250	7/23/04 3:35:00 AM	HLR
Xylenes, Total	NELAP	1880		3460	µg/Kg-dry	250	7/23/04 3:35:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		96.8	%REC	250	7/23/04 3:35:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		90.4	%REC	250	7/23/04 3:35:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-030
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-21 (20-21)
Collection Date: 7/14/04 9:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		98.4	%REC	250	7/23/04 3:35:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		102	%REC	250	7/23/04 3:35:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-031
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B504-28 (27-28)
Collection Date: 7/14/04 9:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		8.5	%	1	7/19/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		91.5	%	1	7/19/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.111	J	0.013	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Acenaphthylene	NELAP	0.111	J	0.014	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Anthracene	NELAP	0.111	J	0.022	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Benzo(a)anthracene	NELAP	0.111	J	0.019	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Benzo(a)pyrene	NELAP	0.111	J	0.019	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.111	J	0.015	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.111		ND	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.111		ND	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Chrysene	NELAP	0.111	J	0.021	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.111		ND	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Fluoranthene	NELAP	0.111	J	0.033	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Fluorene	NELAP	0.111	J	0.022	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.111		ND	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Naphthalene	NELAP	0.111		0.155	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Phenanthrene	NELAP	0.111	J	0.072	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Pyrene	NELAP	0.111	J	0.051	mg/Kg-dry	1	7/18/04 10:16:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		94.6	%REC	1	7/18/04 10:16:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		82.8	%REC	1	7/18/04 10:16:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		101	%REC	1	7/18/04 10:16:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		9.1	µg/Kg-dry	1	7/23/04 4:07:00 AM	HLR
Toluene	NELAP	3.7		3.7	µg/Kg-dry	1	7/23/04 4:07:00 AM	HLR
Ethylbenzene	NELAP	3.7	J	2.0	µg/Kg-dry	1	7/23/04 4:07:00 AM	HLR
Xylenes, Total	NELAP	3.7	J	3.4	µg/Kg-dry	1	7/23/04 4:07:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		111	%REC	1	7/23/04 4:07:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	70.8	%REC	1	7/23/04 4:07:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		106	%REC	1	7/23/04 4:07:00 AM	HLR
Surr: Toluene-d8		82.8-112.8	S	82.7	%REC	1	7/23/04 4:07:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-032
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-3 (2-3)
Collection Date: 7/14/04 10:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		15.2	%	1	7/20/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		84.8	%	1	7/20/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		4.50	mg/Kg-dry	1	7/27/04 10:40:06 AM	JMW
Barium	NELAP	0.50		27.1	mg/Kg-dry	1	7/24/04 8:07:47 PM	SAM
Cadmium	NELAP	0.20		0.58	mg/Kg-dry	1	7/24/04 8:07:47 PM	SAM
Chromium	NELAP	1.00		12.6	mg/Kg-dry	1	7/26/04 6:28:14 PM	JMW
Lead	NELAP	4.00		552	mg/Kg-dry	1	7/24/04 8:07:47 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/24/04 8:07:47 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/24/04 8:07:47 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	34.9	J	6.9	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Acenaphthylene	NELAP	34.9		70.0	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Anthracene	NELAP	34.9	J	15	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Benzo(a)anthracene	NELAP	34.9		44.9	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Benzo(a)pyrene	NELAP	34.9		137	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Benzo(b)fluoranthene	NELAP	34.9		123	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	34.9		38.4	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Benzo(k)fluoranthene	NELAP	34.9	J	33	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Chrysene	NELAP	34.9		46.8	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	34.9	J	13	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Fluoranthene	NELAP	34.9		37.2	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Fluorene	NELAP	34.9	J	9.9	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	34.9		41.2	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Naphthalene	NELAP	34.9	J	21	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Phenanthrene	NELAP	34.9	J	18	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Pyrene	NELAP	34.9		96.2	mg/Kg-dry	10	7/19/04 2:49:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		109	%REC	10	7/19/04 2:49:00 AM	DMH
Surr: Nitrobenzene-d5		10-130	S	0	%REC	10	7/19/04 2:49:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		120	%REC	10	7/19/04 2:49:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.2		47.7	µg/Kg-dry	1	7/23/04 4:38:00 AM	HLR
Toluene	NELAP	6.1		31.3	µg/Kg-dry	1	7/23/04 4:38:00 AM	HLR
Ethylbenzene	NELAP	6.1		149	µg/Kg-dry	1	7/23/04 4:38:00 AM	HLR
Xylenes, Total	NELAP	6.1		139	µg/Kg-dry	1	7/23/04 4:38:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-032
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-3 (2-3)
Collection Date: 7/14/04 10:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122	S	136	%REC	1	7/23/04 4:38:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	66.9	%REC	1	7/23/04 4:38:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121	S	129	%REC	1	7/23/04 4:38:00 AM	HLR
Surr: Toluene-d8		82.8-112.8	S	81.3	%REC	1	7/23/04 4:38:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.061	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	2.78		25.2	mg/kg-dry	5	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.75		1	7/19/04 11:27:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-033
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-6 (5-6)
Collection Date: 7/14/04 10:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		25.0	%	1	7/19/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		75.0	%	1	7/19/04	JRS
SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	993		25600 #	mg/Kg-dry	50	7/23/04 12:39:00 PM	DMH
Kerosene	NELAP	993		ND	mg/Kg-dry	50	7/23/04 12:39:00 PM	DMH
Mineral Spirits	NELAP	993		ND	mg/Kg-dry	50	7/23/04 12:39:00 PM	DMH
Motor Oil	NELAP	993		5510 #	mg/Kg-dry	50	7/23/04 12:39:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	50	7/23/04 12:39:00 PM	DMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	36.9		540	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Acenaphthylene	NELAP	36.9		81.4	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Anthracene	NELAP	36.9		279	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Benzo(a)anthracene	NELAP	36.9		137	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Benzo(a)pyrene	NELAP	36.9		141	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Benzo(b)fluoranthene	NELAP	36.9		130	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	36.9	J	31	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Benzo(k)fluoranthene	NELAP	36.9		45.1	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Chrysene	NELAP	36.9		143	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	36.9	J	10	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Fluoranthene	NELAP	36.9		294	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Fluorene	NELAP	36.9		404	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	36.9	J	35	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Naphthalene	NELAP	369		2340	mg/Kg-dry	100	7/21/04 3:33:00 AM	DMH
Phenanthrene	NELAP	369		923	mg/Kg-dry	100	7/21/04 3:33:00 AM	DMH
Pyrene	NELAP	36.9		405	mg/Kg-dry	10	7/19/04 3:28:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130	S	180	%REC	10	7/19/04 3:28:00 AM	DMH
Surr: Nitrobenzene-d5		10-130	S	160	%REC	10	7/19/04 3:28:00 AM	DMH
Surr: p-Terphenyl-d14		10-130	S	130	%REC	10	7/19/04 3:28:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1250		14500	µg/Kg-dry	500	7/23/04 5:09:00 AM	HLR
Toluene	NELAP	6250	J	3800	µg/Kg-dry	500	7/23/04 5:09:00 AM	HLR
Ethylbenzene	NELAP	6250		79800	µg/Kg-dry	500	7/23/04 5:09:00 AM	HLR
Xylenes, Total	NELAP	6250		69900	µg/Kg-dry	500	7/23/04 5:09:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		113	%REC	500	7/23/04 5:09:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.0	%REC	500	7/23/04 5:09:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-033
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-6 (5-6)
Collection Date: 7/14/04 10:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		102	%REC	500	7/23/04 5:09:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.7	%REC	500	7/23/04 5:09:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-034
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-11 (10-11)
Collection Date: 7/14/04 11:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		21.9	%	1	7/20/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.1	%	1	7/20/04	JRS
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.40		10.1	mg/Kg-dry	1	7/27/04 10:16:12 AM	JMW
Barium	NELAP	0.48		77.2	mg/Kg-dry	1	7/24/04 8:13:02 PM	SAM
Cadmium	NELAP	0.19	J	0.16	mg/Kg-dry	1	7/24/04 8:13:02 PM	SAM
Chromium	NELAP	0.96		22.3	mg/Kg-dry	1	7/26/04 6:31:15 PM	JMW
Lead	NELAP	3.85		14.9	mg/Kg-dry	1	7/24/04 8:13:02 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/24/04 8:13:02 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/24/04 8:13:02 PM	SAM
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
1,2-Dichlorobenzene	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
1,3-Dichlorobenzene	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
1,4-Dichlorobenzene	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2,4,5-Trichlorophenol	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2,4,6-Trichlorophenol	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2,4-Dichlorophenol	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2,4-Dimethylphenol	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2,4-Dinitrophenol	NELAP	32.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2,4-Dinitrotoluene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2,6-Dinitrotoluene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2-Chloronaphthalene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2-Chlorophenol	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2-Methylnaphthalene	NELAP	11.3	J	8.0	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2-Nitroaniline	NELAP	32.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
2-Nitrophenol	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
3,3'-Dichlorobenzidine	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
3-Nitroaniline	NELAP	32.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
4,6-Dinitro-2-methylphenol	NELAP	32.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
4-Bromophenyl phenyl ether	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
4-Chloro-3-methylphenol	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
4-Chloroaniline	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
4-Chlorophenyl phenyl ether	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
4-Nitroaniline	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-034
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-11 (10-11)
Collection Date: 7/14/04 11:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Acenaphthene	NELAP	11.3		13.4	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Acenaphthylene	NELAP	11.3		13.8	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Anthracene	NELAP	11.3	J	11	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Benzo(a)anthracene	NELAP	11.3	J	7.5	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Benzo(a)pyrene	NELAP	11.3	J	7.0	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Benzo(b)fluoranthene	NELAP	11.3	J	5.4	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Benzo(k)fluoranthene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Bis(2-chloroethoxy)methane	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Bis(2-chloroethyl)ether	NELAP	14.7		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Bis(2-chloroisopropyl)ether	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Butyl benzyl phthalate	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Carbazole		16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Chrysene	NELAP	11.3	J	6.7	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Di-n-butyl phthalate	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Di-n-octyl phthalate	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Dibenzofuran	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Diethyl phthalate	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Dimethyl phthalate		11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Fluoranthene	NELAP	11.3		12.2	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Fluorene	NELAP	11.3		15.4	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Hexachlorobenzene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Hexachlorobutadiene	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Hexachlorocyclopentadiene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Hexachloroethane	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Isophorone	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
m,p-Cresol	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
N-Nitroso-di-n-propylamine	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
N-Nitrosodiphenylamine	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Naphthalene	NELAP	11.3		113	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Nitrobenzene	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
o-Cresol	NELAP	16.1		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Pentachlorophenol	NELAP	64.6		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-034
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-11 (10-11)
Collection Date: 7/14/04 11:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	11.3		38.6	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Phenol	NELAP	11.3		ND	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Pyrene	NELAP	16.1		19.7	mg/Kg-dry	25	7/20/04 3:23:00 PM	DMH
Surr: 2,4,6-Tribromophenol		31-123		62.6	%REC	25	7/20/04 3:23:00 PM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		82.4	%REC	25	7/20/04 3:23:00 PM	DMH
Surr: 2-Fluorophenol		27-111		69.5	%REC	25	7/20/04 3:23:00 PM	DMH
Surr: Nitrobenzene-d5		28.9-113		68.5	%REC	25	7/20/04 3:23:00 PM	DMH
Surr: p-Terphenyl-d14		25-144		79.6	%REC	25	7/20/04 3:23:00 PM	DMH
Surr: Phenol-d5		33.7-123		80.9	%REC	25	7/20/04 3:23:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
1,1,2-Trichloroethane	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
1,1-Dichloroethane	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
1,1-Dichloroethene	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
1,2-Dichloroethane	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
1,2-Dichloropropane	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
2-Butanone	NELAP	10500		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
2-Hexanone	NELAP	10500		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
4-Methyl-2-pentanone	NELAP	10500		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Acetone	NELAP	10500		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Benzene	NELAP	211		5040	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Bromodichloromethane	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Bromoform	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Bromomethane	NELAP	2110		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Carbon disulfide	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Carbon tetrachloride	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Chlorobenzene	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Chloroethane	NELAP	2110		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Chloroform	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Chloromethane	NELAP	2110		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	844		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Dibromochloromethane	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Ethylbenzene	NELAP	1050		17700	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Methyl tert-butyl ether	NELAP	422		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Methylene chloride	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-034
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-11 (10-11)
Collection Date: 7/14/04 11:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Tetrachloroethene	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Toluene	NELAP	1050	J	720	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	844		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Trichloroethene	NELAP	1050		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Vinyl chloride	NELAP	422		ND	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Xylenes, Total	NELAP	1050		11200	µg/Kg-dry	100	7/20/04 3:25:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		110	%REC	100	7/20/04 3:25:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		97.1	%REC	100	7/20/04 3:25:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		101	%REC	100	7/20/04 3:25:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		103	%REC	100	7/20/04 3:25:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.043	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/23/04 6:02:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.76		1	7/19/04 11:31:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-035
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-22 (21-22)
Collection Date: 7/14/04 12:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10	%	1	7/19/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		90.0	%	1	7/19/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Acenaphthylene	NELAP	0.109	J	0.012	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Anthracene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Benzo(a)anthracene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Benzo(a)pyrene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Chrysene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Fluoranthene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Fluorene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.109		ND	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Naphthalene	NELAP	0.109		0.160	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Phenanthrene	NELAP	0.109	J	0.020	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Pyrene	NELAP	0.109	J	0.011	mg/Kg-dry	1	7/18/04 10:55:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		80.8	%REC	1	7/18/04 10:55:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		76.9	%REC	1	7/18/04 10:55:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		94.0	%REC	1	7/18/04 10:55:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		1.6	µg/Kg-dry	1	7/23/04 5:41:00 AM	HLR
Toluene	NELAP	3.7		4.3	µg/Kg-dry	1	7/23/04 5:41:00 AM	HLR
Ethylbenzene	NELAP	3.7	J	1.5	µg/Kg-dry	1	7/23/04 5:41:00 AM	HLR
Xylenes, Total	NELAP	3.7		4.2	µg/Kg-dry	1	7/23/04 5:41:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		114	%REC	1	7/23/04 5:41:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		91.7	%REC	1	7/23/04 5:41:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		103	%REC	1	7/23/04 5:41:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.2	%REC	1	7/23/04 5:41:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-036
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-28 (27-28)
Collection Date: 7/14/04 1:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.3	%	1	7/19/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.7	%	1	7/19/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.112	J	0.020	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Acenaphthylene	NELAP	0.112	J	0.030	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Anthracene	NELAP	0.112	J	0.037	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Benzo(a)anthracene	NELAP	0.112	J	0.029	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Benzo(a)pyrene	NELAP	0.112	J	0.025	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.112	J	0.020	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.112		ND	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Chrysene	NELAP	0.112	J	0.026	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Fluoranthene	NELAP	0.112	J	0.051	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Fluorene	NELAP	0.112	J	0.044	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Naphthalene	NELAP	0.112		0.179	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Phenanthrene	NELAP	0.112		0.130	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Pyrene	NELAP	0.112	J	0.078	mg/Kg-dry	1	7/18/04 11:34:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		75.0	%REC	1	7/18/04 11:34:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		74.5	%REC	1	7/18/04 11:34:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		89.4	%REC	1	7/18/04 11:34:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		3.0	µg/Kg-dry	1	7/23/04 6:12:00 AM	HLR
Toluene	NELAP	3.8	J	2.5	µg/Kg-dry	1	7/23/04 6:12:00 AM	HLR
Ethylbenzene	NELAP	3.8	J	2.3	µg/Kg-dry	1	7/23/04 6:12:00 AM	HLR
Xylenes, Total	NELAP	3.8		4.0	µg/Kg-dry	1	7/23/04 6:12:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		98.4	%REC	1	7/23/04 6:12:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		78.3	%REC	1	7/23/04 6:12:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		97.7	%REC	1	7/23/04 6:12:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		93.5	%REC	1	7/23/04 6:12:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-037
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-3 (2-3)
Collection Date: 7/14/04 2:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.2	%	1	7/19/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.8	%	1	7/19/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		< 2.40	mg/Kg-dry	1	7/27/04 11:00:01 AM	JMW
Barium	NELAP	0.48		20.1	mg/Kg-dry	1	7/24/04 8:18:06 PM	SAM
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	7/24/04 8:18:06 PM	SAM
Chromium	NELAP	0.96		7.23	mg/Kg-dry	1	7/26/04 6:34:15 PM	JMW
Lead	NELAP	3.85		8.50	mg/Kg-dry	1	7/24/04 8:18:06 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/24/04 8:18:06 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/24/04 8:18:06 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	7.90		8.53	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Acenaphthylene	NELAP	7.90		26.4	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Anthracene	NELAP	7.90		8.45	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Benzo(a)anthracene	NELAP	7.90		10.3	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Benzo(a)pyrene	NELAP	7.90		54.9	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Benzo(b)fluoranthene	NELAP	7.90		50.3	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	7.90		25.6	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Benzo(k)fluoranthene	NELAP	7.90		11.6	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Chrysene	NELAP	7.90		18.2	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	7.90	J	5.0	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Fluoranthene	NELAP	7.90		17.4	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Fluorene	NELAP	7.90	J	7.8	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	7.90		21.1	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Naphthalene	NELAP	7.90	J	2.2	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Phenanthrene	NELAP	7.90		9.37	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Pyrene	NELAP	7.90		26.8	mg/Kg-dry	2	7/21/04 12:29:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		102	%REC	2	7/21/04 12:29:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		71.8	%REC	2	7/21/04 12:29:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		110	%REC	2	7/21/04 12:29:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	90.0		195	µg/Kg-dry	25	7/23/04 6:44:00 AM	HLR
Toluene	NELAP	450	J	370	µg/Kg-dry	25	7/23/04 6:44:00 AM	HLR
Ethylbenzene	NELAP	450	J	200	µg/Kg-dry	25	7/23/04 6:44:00 AM	HLR
Xylenes, Total	NELAP	450		456	µg/Kg-dry	25	7/23/04 6:44:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-037
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-3 (2-3)
Collection Date: 7/14/04 2:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		95.8	%REC	25	7/23/04 6:44:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		91.3	%REC	25	7/23/04 6:44:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		94.9	%REC	25	7/23/04 6:44:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		102	%REC	25	7/23/04 6:44:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012	J	0.005	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.62		1.81	mg/kg-dry	1	7/26/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.26		1	7/16/04 10:54:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-038
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-6 (5-6)
Collection Date: 7/14/04 2:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		28.7	%	1	7/19/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		71.3	%	1	7/19/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	38.0		280	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Acenaphthylene	NELAP	38.0	J	27	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Anthracene	NELAP	38.0		166	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Benzo(a)anthracene	NELAP	38.0		119	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Benzo(a)pyrene	NELAP	38.0		125	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Benzo(b)fluoranthene	NELAP	38.0		131	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	38.0	J	29	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Benzo(k)fluoranthene	NELAP	38.0		50.5	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Chrysene	NELAP	38.0		116	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	38.0	J	9.7	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Fluoranthene	NELAP	38.0		302	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Fluorene	NELAP	38.0		179	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	38.0	J	34	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Naphthalene	NELAP	190		877	mg/Kg-dry	50	7/21/04 5:31:00 AM	DMH
Phenanthrene	NELAP	38.0		535	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Pyrene	NELAP	38.0		335	mg/Kg-dry	10	7/19/04 4:47:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		120	%REC	10	7/19/04 4:47:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		100	%REC	10	7/19/04 4:47:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		130	%REC	10	7/19/04 4:47:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	117		4050	µg/Kg-dry	50	7/23/04 7:15:00 AM	HLR
Toluene	NELAP	585		811	µg/Kg-dry	50	7/23/04 7:15:00 AM	HLR
Ethylbenzene	NELAP	585		20800	µg/Kg-dry	50	7/23/04 7:15:00 AM	HLR
Xylenes, Total	NELAP	585		19300	µg/Kg-dry	50	7/23/04 7:15:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		94.0	%REC	50	7/23/04 7:15:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		92.1	%REC	50	7/23/04 7:15:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		92.0	%REC	50	7/23/04 7:15:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	50	7/23/04 7:15:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-039
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-15 (14-15)
Collection Date: 7/14/04 2:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		11.0	%	1	7/19/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.0	%	1	7/19/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	5.47		15.7	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Acenaphthylene	NELAP	5.47		35.6	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Anthracene	NELAP	5.47		77.9	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Benzo(a)anthracene	NELAP	5.47		50.8	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Benzo(a)pyrene	NELAP	5.47		53.2	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Benzo(b)fluoranthene	NELAP	5.47		56.1	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	5.47		11.5	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Benzo(k)fluoranthene	NELAP	5.47		20.5	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Chrysene	NELAP	5.47		47.3	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	5.47	J	4.0	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Fluoranthene	NELAP	54.7		133	mg/Kg-dry	100	7/21/04 9:14:00 AM	DMH
Fluorene	NELAP	5.47		64.9	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	5.47		13.6	mg/Kg-dry	10	7/19/04 5:26:00 AM	DMH
Naphthalene	NELAP	54.7		523	mg/Kg-dry	100	7/21/04 9:14:00 AM	DMH
Phenanthrene	NELAP	54.7		224	mg/Kg-dry	100	7/21/04 9:14:00 AM	DMH
Pyrene	NELAP	54.7		138	mg/Kg-dry	100	7/21/04 9:14:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		120	%REC	10	7/19/04 5:26:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		109	%REC	10	7/19/04 5:26:00 AM	DMH
Surr: p-Terphenyl-d14		10-130	S	160	%REC	10	7/19/04 5:26:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	513		3030	µg/Kg-dry	250	7/23/04 7:46:00 AM	HLR
Toluene	NELAP	2560		16100	µg/Kg-dry	250	7/23/04 7:46:00 AM	HLR
Ethylbenzene	NELAP	2560		10100	µg/Kg-dry	250	7/23/04 7:46:00 AM	HLR
Xylenes, Total	NELAP	2560		37300	µg/Kg-dry	250	7/23/04 7:46:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		111	%REC	250	7/23/04 7:46:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.0	%REC	250	7/23/04 7:46:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		101	%REC	250	7/23/04 7:46:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		102	%REC	250	7/23/04 7:46:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-040
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-24 (23-24)
Collection Date: 7/14/04 3:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		6.6	%	1	7/19/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		93.4	%	1	7/19/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	1320		40400 #	mg/Kg-dry	25	7/21/04 3:49:00 AM	CJS
Kerosene	NELAP	1320		ND	mg/Kg-dry	25	7/21/04 3:49:00 AM	CJS
Mineral Spirits	NELAP	1320		ND	mg/Kg-dry	25	7/21/04 3:49:00 AM	CJS
Motor Oil	NELAP	1320		8910 #	mg/Kg-dry	25	7/21/04 3:49:00 AM	CJS
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	25	7/21/04 3:49:00 AM	CJS
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	52.1		101	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Acenaphthylene	NELAP	52.1		664	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Anthracene	NELAP	52.1		371	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Benzo(a)anthracene	NELAP	52.1		188	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Benzo(a)pyrene	NELAP	52.1		194	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Benzo(b)fluoranthene	NELAP	52.1		154	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	52.1		57.8	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Benzo(k)fluoranthene	NELAP	52.1	J	49	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Chrysene	NELAP	52.1		197	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	52.1	J	17	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Fluoranthene	NELAP	52.1		417	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Fluorene	NELAP	52.1		555	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	52.1	J	52	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Naphthalene	NELAP	521		2650	mg/Kg-dry	500	7/21/04 2:29:00 PM	DMH
Phenanthrene	NELAP	521		985	mg/Kg-dry	500	7/21/04 2:29:00 PM	DMH
Pyrene	NELAP	52.1		588	mg/Kg-dry	50	7/21/04 9:53:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	50	7/21/04 9:53:00 AM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	50	7/21/04 9:53:00 AM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	50	7/21/04 9:53:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1630		97300	µg/Kg-dry	1000	7/23/04 10:55:00 AM	HLR
Toluene	NELAP	8140		164000	µg/Kg-dry	1000	7/23/04 10:55:00 AM	HLR
Ethylbenzene	NELAP	8140		32900	µg/Kg-dry	1000	7/23/04 10:55:00 AM	HLR
Xylenes, Total	NELAP	8140		155000	µg/Kg-dry	1000	7/23/04 10:55:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		106	%REC	1000	7/23/04 10:55:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		94.3	%REC	1000	7/23/04 10:55:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-040
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-24 (23-24)
Collection Date: 7/14/04 3:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		99.9	%REC	1000	7/23/04 10:55:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		102	%REC	1000	7/23/04 10:55:00 AM	HLR

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-041
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-32 (31-32)
Collection Date: 7/14/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.1	%	1	7/19/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		90.9	%	1	7/19/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		5.46	mg/Kg-dry	1	7/26/04 6:37:15 PM	JMW
Barium	NELAP	0.50		14.6	mg/Kg-dry	1	7/24/04 8:23:12 PM	SAM
Cadmium	NELAP	0.20		< 0.20	mg/Kg-dry	1	7/24/04 8:23:12 PM	SAM
Chromium	NELAP	1.00		10.1	mg/Kg-dry	1	7/26/04 6:37:15 PM	JMW
Lead	NELAP	4.00		8.62	mg/Kg-dry	1	7/24/04 8:23:12 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/24/04 8:23:12 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/24/04 8:23:12 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
1,2-Dichlorobenzene	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
1,3-Dichlorobenzene	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
1,4-Dichlorobenzene	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2,4,5-Trichlorophenol	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2,4,6-Trichlorophenol	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2,4-Dichlorophenol	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2,4-Dimethylphenol	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2,4-Dinitrophenol	NELAP	1.09		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2,4-Dinitrotoluene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2,6-Dinitrotoluene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2-Chloronaphthalene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2-Chlorophenol	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2-Methylnaphthalene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2-Nitroaniline	NELAP	1.09		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
2-Nitrophenol	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
3,3'-Dichlorobenzidine	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
3-Nitroaniline	NELAP	1.09		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
4,6-Dinitro-2-methylphenol	NELAP	1.09		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
4-Bromophenyl phenyl ether	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
4-Chloro-3-methylphenol	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
4-Chloroaniline	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
4-Chlorophenyl phenyl ether	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
4-Nitroaniline	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-041
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-32 (31-32)
Collection Date: 7/14/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Acenaphthene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Acenaphthylene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Anthracene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Benzo(a)anthracene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Benzo(a)pyrene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Bis(2-chloroethoxy)methane	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Bis(2-chloroethyl)ether	NELAP	0.497		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Bis(2-chloroisopropyl)ether	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	0.382	J	0.30	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Butyl benzyl phthalate	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Carbazole		0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Chrysene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Di-n-butyl phthalate	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Di-n-octyl phthalate	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Dibenzofuran	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Diethyl phthalate	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Dimethyl phthalate		0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Fluoranthene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Fluorene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Hexachlorobenzene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Hexachlorobutadiene	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Hexachlorocyclopentadiene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Hexachloroethane	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Isophorone	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
m,p-Cresol	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
N-Nitroso-di-n-propylamine	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
N-Nitrosodiphenylamine	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Naphthalene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Nitrobenzene	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
o-Cresol	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Pentachlorophenol	NELAP	2.18		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-041
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-32 (31-32)
Collection Date: 7/14/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Phenol	NELAP	0.382		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Pyrene	NELAP	0.545		ND	mg/Kg-dry	1	7/20/04 10:48:00 AM	DMH
Surr: 2,4,6-Tribromophenol		31-123		94.5	%REC	1	7/20/04 10:48:00 AM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		87.4	%REC	1	7/20/04 10:48:00 AM	DMH
Surr: 2-Fluorophenol		27-111		77.7	%REC	1	7/20/04 10:48:00 AM	DMH
Surr: Nitrobenzene-d5		28.9-113		76.9	%REC	1	7/20/04 10:48:00 AM	DMH
Surr: p-Terphenyl-d14		25-144		95.6	%REC	1	7/20/04 10:48:00 AM	DMH
Surr: Phenol-d5		33.7-123		92.3	%REC	1	7/20/04 10:48:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
1,1,2-Trichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
1,1-Dichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
1,1-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
1,2-Dichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
1,2-Dichloropropane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
2-Butanone	NELAP	36.3		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
2-Hexanone	NELAP	36.3		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
4-Methyl-2-pentanone	NELAP	36.3		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Acetone	NELAP	36.3		37.1	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Benzene	NELAP	0.7		3.5	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Bromodichloromethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Bromoform	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Bromomethane	NELAP	7.3		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Carbon disulfide	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Carbon tetrachloride	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Chlorobenzene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Chloroethane	NELAP	7.3		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Chloroform	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Chloromethane	NELAP	7.3		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	2.9		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Dibromochloromethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Ethylbenzene	NELAP	3.6	J	1.5	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Methyl tert-butyl ether	NELAP	1.5		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Methylene chloride	NELAP	3.6	J	0.8	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-041
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-32 (31-32)
Collection Date: 7/14/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Tetrachloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Toluene	NELAP	3.6		4.5	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	2.9		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Trichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Vinyl chloride	NELAP	1.5		ND	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Xylenes, Total	NELAP	3.6		3.6	µg/Kg-dry	1	7/20/04 5:00:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		112	%REC	1	7/20/04 5:00:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	73.8	%REC	1	7/20/04 5:00:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		106	%REC	1	7/20/04 5:00:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		88.7	%REC	1	7/20/04 5:00:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.010	J	0.009	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/23/04 6:18:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		8.11		1	7/16/04 10:56:00 AM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-042
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-32D (31-32)
Collection Date: 7/14/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		8.4	%	1	7/19/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		91.6	%	1	7/19/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.36		2.98	mg/Kg-dry	1	7/26/04 1:00:18 PM	JMW
Barium	NELAP	0.47		11.9	mg/Kg-dry	1	7/24/04 5:41:49 PM	SAM
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	7/24/04 5:41:49 PM	SAM
Chromium	NELAP	0.94		10.5	mg/Kg-dry	1	7/26/04 1:00:18 PM	JMW
Lead	NELAP	3.77		6.92	mg/Kg-dry	1	7/24/04 5:41:49 PM	SAM
Selenium	NELAP	3.77		< 3.77	mg/Kg-dry	1	7/24/04 5:41:49 PM	SAM
Silver	NELAP	0.94		< 0.94	mg/Kg-dry	1	7/24/04 5:41:49 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
1,2-Dichlorobenzene	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
1,3-Dichlorobenzene	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
1,4-Dichlorobenzene	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2,4,5-Trichlorophenol	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2,4,6-Trichlorophenol	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2,4-Dichlorophenol	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2,4-Dimethylphenol	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2,4-Dinitrophenol	NELAP	1.08		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2,4-Dinitrotoluene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2,6-Dinitrotoluene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2-Chloronaphthalene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2-Chlorophenol	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2-Methylnaphthalene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2-Nitroaniline	NELAP	1.08		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
2-Nitrophenol	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
3,3'-Dichlorobenzidine	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
3-Nitroaniline	NELAP	1.08		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
4,6-Dinitro-2-methylphenol	NELAP	1.08		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
4-Bromophenyl phenyl ether	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
4-Chloro-3-methylphenol	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
4-Chloroaniline	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
4-Chlorophenyl phenyl ether	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
4-Nitroaniline	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-042
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-32D (31-32)
Collection Date: 7/14/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Acenaphthene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Acenaphthylene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Anthracene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Benzo(a)anthracene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Benzo(a)pyrene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Bis(2-chloroethoxy)methane	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Bis(2-chloroethyl)ether	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Bis(2-chloroisopropyl)ether	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Bis(2-ethylhexyl)phthalate	NELAP	0.376		0.404	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Butyl benzyl phthalate	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Carbazole		0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Chrysene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Di-n-butyl phthalate	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Di-n-octyl phthalate	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Dibenzofuran	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Diethyl phthalate	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Dimethyl phthalate		0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Fluoranthene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Fluorene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Hexachlorobenzene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Hexachlorobutadiene	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Hexachlorocyclopentadiene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Hexachloroethane	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Isophorone	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
m,p-Cresol	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
N-Nitroso-di-n-propylamine	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
N-Nitrosodiphenylamine	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Naphthalene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Nitrobenzene	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
o-Cresol	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Pentachlorophenol	NELAP	2.15		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-042
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-32D (31-32)
Collection Date: 7/14/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Phenol	NELAP	0.376		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Pyrene	NELAP	0.538		ND	mg/Kg-dry	1	7/20/04 11:27:00 AM	DMH
Surr: 2,4,6-Tribromophenol		31-123		86.6	%REC	1	7/20/04 11:27:00 AM	DMH
Surr: 2-Fluorobiphenyl		14.6-132		83.9	%REC	1	7/20/04 11:27:00 AM	DMH
Surr: 2-Fluorophenol		27-111		72.3	%REC	1	7/20/04 11:27:00 AM	DMH
Surr: Nitrobenzene-d5		28.9-113		72.8	%REC	1	7/20/04 11:27:00 AM	DMH
Surr: p-Terphenyl-d14		25-144		88.9	%REC	1	7/20/04 11:27:00 AM	DMH
Surr: Phenol-d5		33.7-123		81.8	%REC	1	7/20/04 11:27:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
1,1,2-Trichloroethane	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
1,1-Dichloroethane	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
1,1-Dichloroethene	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
1,2-Dichloroethane	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
1,2-Dichloropropane	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
2-Butanone	NELAP	35.2		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
2-Hexanone	NELAP	35.2		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
4-Methyl-2-pentanone	NELAP	35.2		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Acetone	NELAP	35.2	J	19	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Benzene	NELAP	0.7		2.1	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Bromodichloromethane	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Bromoform	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Bromomethane	NELAP	7.0		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Carbon disulfide	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Carbon tetrachloride	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Chlorobenzene	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Chloroethane	NELAP	7.0		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Chloroform	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Chloromethane	NELAP	7.0		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	2.8		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Dibromochloromethane	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Ethylbenzene	NELAP	3.5	J	0.9	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Methyl tert-butyl ether	NELAP	1.4		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Methylene chloride	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070377
Lab ID: 04070377-042
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B553-32D (31-32)
Collection Date: 7/14/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Tetrachloroethene	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Toluene	NELAP	3.5	J	3.0	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	2.8		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Trichloroethene	NELAP	3.5		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Vinyl chloride	NELAP	1.4		ND	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Xylenes, Total	NELAP	3.5	J	3.1	µg/Kg-dry	1	7/20/04 5:31:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		107	%REC	1	7/20/04 5:31:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		92.3	%REC	1	7/20/04 5:31:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		99.7	%REC	1	7/20/04 5:31:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		99.1	%REC	1	7/20/04 5:31:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.010	J	0.007	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015. MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/23/04 3:05:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		8.25		1	7/16/04 10:58:00 AM	EAW