

ENVIRONMENTAL TESTING LABORATORY

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

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. 04070635

Dear Jim Gould:

TEKLAB, INC received 52 samples on 7/23/04 12:20:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Michael L. Austin
Director of Operations

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
LabOrder: 04070635
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 METHOD SV_OA2_S: SAMPLE 04070635-002A, -013A, -017A, -017AMS/MSD, -021A, -026A, -045A: Elevated reporting limit due to matrix interference. #: Unknown hydrocarbon. MS/MSD:Matrix spike was diluted out. SAMPLE 04070635-032A: #: Unknown hydrocarbon. SAMPLE 04070635-036A, -041A, -044A, -045A, -051A: Elevated reporting limit due to matrix interference. #: Unknown hydrocarbon. Surrogate was diluted out.

Analytical Comments for METHOD SV_8270S_S_SIMS: SAMPLE 04070635-002A, -006A, -011A, -015A, -019A, -021A, -025A, -026A, -029A, -034A, -035A, -039A, -040A, -041A, -044A, -045A, -046A, -050A: Elevated reporting limit due to matrix interference. SAMPLE 04070635-002AMS/MSD: Elevated reporting limit due to matrix interference. Sample concentration was greater than 5 times the spike concentration. SAMPLE 04070635-013A, -020A, -026A, -043A, -051A: Elevated reporting limit due to matrix interference. Surrogate was diluted out. SAMPLE 04070635-029AMS/MSD: Elevated reporting limit due to matrix interference. Matrix spike recoveries exceeded QC limits because of sample composition.

Analytical Comments for METHOD SV_8270S_S: SAMPLE 04070635-001A, -012A, -017A, -024A, -031A, -030A, -036A, -048A, -049A: Elevated reporting limit due to matrix interference. SAMPLE 04070635-017AMS & 017AMSD: Elevated reporting limit due to matrix interference. Acenaphthene recovery exceeded QC limits because of sample composition.

Analytical Comments for METHOD V_BTEX_S: SAMPLE 04070635-002D, -013D, -020D, -025D, -026D, -032D, -035D, -038D, -040D: Elevated reporting limit due to matrix interference. SAMPLE 04070635-005D, -011D, -015D, -019D, -029D: Matrix interference present in sample.

Analytical Comments for METHOD V_8260S_S: SAMPLE 04070635-001D, -024D, -042D, -048D, -049D: Matrix interference present in sample. SAMPLE 04070635-007C, -012D, -036D: Elevated reporting limit due to matrix interference.

Analytical Comments for METHOD I_TCN_S_MT, SAMPLE 04070635-043A: Non-homogenous sample.

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: 04070635
Lab ID: 04070635-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-2 (1-2)
Collection Date: 7/19/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		21.9	%	1	7/26/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.1	%	1	7/26/04	JRS
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.45		12.6	mg/Kg-dry	1	8/4/04 11:12:12 AM	JMW
Barium	NELAP	0.49		164	mg/Kg-dry	1	8/2/04 4:45:22 PM	SAM
Cadmium	NELAP	0.20		0.64	mg/Kg-dry	1	8/2/04 4:45:22 PM	SAM
Chromium	NELAP	0.98		16.9	mg/Kg-dry	1	8/2/04 4:19:26 PM	JMW
Lead	NELAP	3.92		48.6	mg/Kg-dry	1	8/2/04 4:45:22 PM	SAM
Selenium	NELAP	3.92		< 3.92	mg/Kg-dry	1	8/2/04 4:45:22 PM	SAM
Silver	NELAP	0.98		< 0.98	mg/Kg-dry	1	8/2/04 4:45:22 PM	SAM
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
1,2-Dichlorobenzene	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
1,3-Dichlorobenzene	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
1,4-Dichlorobenzene	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2,4,5-Trichlorophenol	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2,4,6-Trichlorophenol	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2,4-Dichlorophenol	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2,4-Dimethylphenol	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2,4-Dinitrophenol	NELAP	3.87		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2,4-Dinitrotoluene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2,6-Dinitrotoluene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2-Chloronaphthalene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2-Chlorophenol	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2-Methylnaphthalene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2-Nitroaniline	NELAP	3.87		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
2-Nitrophenol	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
3-Nitroaniline	NELAP	3.87		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	3.87		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
4-Chloro-3-methylphenol	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
4-Chloroaniline	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
4-Nitroaniline	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-2 (1-2')
Collection Date: 7/19/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Acenaphthene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Acenaphthylene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Anthracene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Benzo(a)anthracene	NELAP	1.36	J	0.45	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Benzo(a)pyrene	NELAP	1.36	J	0.50	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Benzo(b)fluoranthene	NELAP	1.36	J	0.61	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Benzo(g,h,i)perylene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Benzo(k)fluoranthene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	1.77		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Butyl benzyl phthalate	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Carbazole		1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Chrysene	NELAP	1.36	J	0.45	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Di-n-butyl phthalate	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Di-n-octyl phthalate	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Dibenzofuran	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Diethyl phthalate	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Dimethyl phthalate		1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Fluoranthene	NELAP	1.36	J	0.69	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Fluorene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Hexachlorobenzene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Hexachlorobutadiene	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Hexachlorocyclopentadiene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Hexachloroethane	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Isophorone	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
m,p-Cresol	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
N-Nitrosodiphenylamine	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Naphthalene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Nitrobenzene	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
o-Cresol	NELAP	1.94		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Pentachlorophenol	NELAP	7.74		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-2 (1-2')
Collection Date: 7/19/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Phenol	NELAP	1.36		ND	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Pyrene	NELAP	1.94	J	0.65	mg/Kg-dry	1	7/30/04 6:14:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		65.5	%REC	1	7/30/04 6:14:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		65.8	%REC	1	7/30/04 6:14:00 PM	SML
Surr: 2-Fluorophenol		27-111		52.2	%REC	1	7/30/04 6:14:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		59.5	%REC	1	7/30/04 6:14:00 PM	SML
Surr: p-Terphenyl-d14		25-144		72.8	%REC	1	7/30/04 6:14:00 PM	SML
Surr: Phenol-d5		33.7-123		63.6	%REC	1	7/30/04 6:14:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
1,1,2-Trichloroethane	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
1,1-Dichloroethane	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
1,1-Dichloroethene	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
1,2-Dichloroethane	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
1,2-Dichloropropane	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
2-Butanone	NELAP	70.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
2-Hexanone	NELAP	70.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
4-Methyl-2-pentanone	NELAP	70.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Acetone	NELAP	70.0		91.6	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Benzene	NELAP	1.4		2.3	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Bromodichloromethane	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Bromoform	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Bromomethane	NELAP	14.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Carbon disulfide	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Carbon tetrachloride	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Chlorobenzene	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Chloroethane	NELAP	14.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Chloroform	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Chloromethane	NELAP	14.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	5.6		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Dibromochloromethane	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Ethylbenzene	NELAP	7.0	J	4.5	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Methyl tert-butyl ether	NELAP	2.8		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Methylene chloride	NELAP	7.0	J	1.5	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-2 (1-2')
Collection Date: 7/19/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Tetrachloroethene	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Toluene	NELAP	7.0		7.2	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	5.6		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Trichloroethene	NELAP	7.0		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Vinyl chloride	NELAP	2.8		ND	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Xylenes, Total	NELAP	7.0		11.8	µg/Kg-dry	1	8/1/04 1:00:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		115	%REC	1	8/1/04 1:00:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	65.7	%REC	1	8/1/04 1:00:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121	S	122	%REC	1	8/1/04 1:00:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		89.3	%REC	1	8/1/04 1:00:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.082	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/30/04 1:04:00 PM	SML
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.64		1.37	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		6.65		1	7/26/04 3:41:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-002
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-7 (6-7')
Collection Date: 7/19/04 11:20:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		22.0	%	1	7/26/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		78.0	%	1	7/26/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	65.5		946 #	mg/Kg-dry	10	7/27/04 11:05:00 AM	DMH
Kerosene	NELAP	65.5		ND	mg/Kg-dry	10	7/27/04 11:05:00 AM	DMH
Mineral Spirits	NELAP	65.5		ND	mg/Kg-dry	10	7/27/04 11:05:00 AM	DMH
Motor Oil	NELAP	65.5		ND	mg/Kg-dry	10	7/27/04 11:05:00 AM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		86.4	%REC	10	7/27/04 11:05:00 AM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	1.27		8.14	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Acenaphthylene	NELAP	1.27		2.41	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Anthracene	NELAP	1.27		6.82	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Benzo(a)anthracene	NELAP	1.27		3.21	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Benzo(a)pyrene	NELAP	1.27		3.49	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.27		2.76	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.27	J	0.93	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.27	J	0.82	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Chrysene	NELAP	1.27		3.14	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.27	J	0.36	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Fluoranthene	NELAP	1.27		7.34	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Fluorene	NELAP	1.27		8.87	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.27	J	0.86	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Naphthalene	NELAP	1.27		ND	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Phenanthrene	NELAP	3.18		21.6	mg/Kg-dry	25	8/2/04 9:46:00 AM	DMH
Pyrene	NELAP	1.27		11.5	mg/Kg-dry	10	7/30/04 8:47:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		70.0	%REC	10	7/30/04 8:47:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		55.9	%REC	10	7/30/04 8:47:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		77.9	%REC	10	7/30/04 8:47:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	24.5		52.5	µg/Kg-dry	12.5	7/30/04 2:25:00 AM	HLR
Toluene	NELAP	123		134	µg/Kg-dry	12.5	7/30/04 2:25:00 AM	HLR
Ethylbenzene	NELAP	123	J	66	µg/Kg-dry	12.5	7/30/04 2:25:00 AM	HLR
Xylenes, Total	NELAP	123		221	µg/Kg-dry	12.5	7/30/04 2:25:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		95.1	%REC	12.5	7/30/04 2:25:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.9	%REC	12.5	7/30/04 2:25:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-002
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-7 (6-7')
Collection Date: 7/19/04 11:20:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		94.3	%REC	12.5	7/30/04 2:25:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	12.5	7/30/04 2:25:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-003
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-12 (11-12)
Collection Date: 7/19/04 12:54:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		22.0	%	1	7/26/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.0	%	1	7/26/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.125		0.817	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Acenaphthylene	NELAP	0.125		0.323	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Anthracene	NELAP	0.125		0.191	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Benzo(a)anthracene	NELAP	0.125		0.139	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Benzo(a)pyrene	NELAP	0.125		0.129	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.125	J	0.10	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.125	J	0.047	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.125	J	0.032	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Chrysene	NELAP	0.125		0.139	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.125	J	0.015	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Fluoranthene	NELAP	0.125		0.433	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Fluorene	NELAP	0.125		0.323	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.125	J	0.039	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Naphthalene	NELAP	0.125	J	0.028	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Phenanthrene	NELAP	0.624		2.13	mg/Kg-dry	5	7/29/04 1:19:00 PM	DMH
Pyrene	NELAP	0.125		0.628	mg/Kg-dry	1	7/28/04 10:07:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		63.0	%REC	1	7/28/04 10:07:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		56.2	%REC	1	7/28/04 10:07:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		76.9	%REC	1	7/28/04 10:07:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.2		9.5	µg/Kg-dry	1	7/30/04 2:56:00 AM	HLR
Toluene	NELAP	5.9	J	2.5	µg/Kg-dry	1	7/30/04 2:56:00 AM	HLR
Ethylbenzene	NELAP	5.9	J	5.0	µg/Kg-dry	1	7/30/04 2:56:00 AM	HLR
Xylenes, Total	NELAP	5.9		52.1	µg/Kg-dry	1	7/30/04 2:56:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		111	%REC	1	7/30/04 2:56:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		80.7	%REC	1	7/30/04 2:56:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		114	%REC	1	7/30/04 2:56:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		91.4	%REC	1	7/30/04 2:56:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-004
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-18 (17-18)
Collection Date: 7/19/04 1:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.9	%	1	7/26/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		90.1	%	1	7/26/04	JRS
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.108	J	0.042	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Acenaphthylene	NELAP	0.108		0.397	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Anthracene	NELAP	0.108	J	0.019	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Benzo(a)anthracene	NELAP	0.108	J	0.017	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Benzo(a)pyrene	NELAP	0.108	J	0.015	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.108		ND	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.108		ND	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.108		ND	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Chrysene	NELAP	0.108	J	0.017	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.108		ND	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Fluoranthene	NELAP	0.108	J	0.029	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Fluorene	NELAP	0.108	J	0.062	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.108		ND	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Naphthalene	NELAP	0.539		2.54	mg/Kg-dry	5	7/29/04 1:57:00 PM	DMH
Phenanthrene	NELAP	0.108	J	0.069	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Pyrene	NELAP	0.108	J	0.044	mg/Kg-dry	1	7/28/04 9:28:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		67.2	%REC	1	7/28/04 9:28:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		57.2	%REC	1	7/28/04 9:28:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		78.9	%REC	1	7/28/04 9:28:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	0.7		90.5	µg/Kg-dry	1	7/30/04 3:27:00 AM	HLR
Toluene	NELAP	3.6		71.3	µg/Kg-dry	1	7/30/04 3:27:00 AM	HLR
Ethylbenzene	NELAP	3.6		20.9	µg/Kg-dry	1	7/30/04 3:27:00 AM	HLR
Xylenes, Total	NELAP	3.6		82.1	µg/Kg-dry	1	7/30/04 3:27:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		98.9	%REC	1	7/30/04 3:27:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		85.4	%REC	1	7/30/04 3:27:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		100	%REC	1	7/30/04 3:27:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		95.8	%REC	1	7/30/04 3:27:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-005
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B558-28 (27-28)
Collection Date: 7/19/04 1:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		7.5	%	1	7/26/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		92.5	%	1	7/26/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.105	J	0.012	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Acenaphthylene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Anthracene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Benzo(a)anthracene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Benzo(a)pyrene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Chrysene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Fluoranthene	NELAP	0.105	J	0.015	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Fluorene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.105		ND	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Naphthalene	NELAP	0.105	J	0.031	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Phenanthrene	NELAP	0.105	J	0.033	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Pyrene	NELAP	0.105	J	0.022	mg/Kg-dry	1	7/28/04 10:46:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		64.8	%REC	1	7/28/04 10:46:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		51.7	%REC	1	7/28/04 10:46:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		73.9	%REC	1	7/28/04 10:46:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		1.6	µg/Kg-dry	1	7/30/04 3:59:00 AM	HLR
Toluene	NELAP	4.1	J	2.2	µg/Kg-dry	1	7/30/04 3:59:00 AM	HLR
Ethylbenzene	NELAP	4.1	J	1.0	µg/Kg-dry	1	7/30/04 3:59:00 AM	HLR
Xylenes, Total	NELAP	4.1	J	2.8	µg/Kg-dry	1	7/30/04 3:59:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		107	%REC	1	7/30/04 3:59:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	74.9	%REC	1	7/30/04 3:59:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		109	%REC	1	7/30/04 3:59:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		86.5	%REC	1	7/30/04 3:59:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-006
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-3 (2-3')
Collection Date: 7/19/04 2:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.5	%	1	7/26/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.5	%	1	7/26/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.27		9.93	mg/Kg-dry	1	8/4/04 11:16:05 AM	JMW
Barium	NELAP	0.45		139	mg/Kg-dry	1	8/2/04 4:50:40 PM	SAM
Cadmium	NELAP	0.18	J	0.15	mg/Kg-dry	1	8/2/04 4:50:40 PM	SAM
Chromium	NELAP	0.91		16.0	mg/Kg-dry	1	8/2/04 4:22:24 PM	JMW
Lead	NELAP	3.64		56.7	mg/Kg-dry	1	8/2/04 4:50:40 PM	SAM
Selenium	NELAP	3.64		< 3.64	mg/Kg-dry	1	8/2/04 4:50:40 PM	SAM
Silver	NELAP	0.91		< 0.91	mg/Kg-dry	1	8/2/04 4:50:40 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.239		ND	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Acenaphthylene	NELAP	0.239		ND	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Anthracene	NELAP	0.239		ND	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Benzo(a)anthracene	NELAP	0.239	J	0.14	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Benzo(a)pyrene	NELAP	0.239	J	0.19	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.239		0.269	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.239	J	0.11	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.239	J	0.088	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Chrysene	NELAP	0.239	J	0.15	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.239	J	0.042	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Fluoranthene	NELAP	0.239	J	0.19	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Fluorene	NELAP	0.239		ND	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.239	J	0.11	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Naphthalene	NELAP	0.239	J	0.037	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Phenanthrene	NELAP	0.239	J	0.067	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Pyrene	NELAP	0.239	J	0.17	mg/Kg-dry	1	7/28/04 11:25:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		65.4	%REC	1	7/28/04 11:25:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		55.4	%REC	1	7/28/04 11:25:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		76.4	%REC	1	7/28/04 11:25:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.0	J	0.7	µg/Kg-dry	1	7/30/04 4:30:00 AM	HLR
Toluene	NELAP	5.2		ND	µg/Kg-dry	1	7/30/04 4:30:00 AM	HLR
Ethylbenzene	NELAP	5.2		ND	µg/Kg-dry	1	7/30/04 4:30:00 AM	HLR
Xylenes, Total	NELAP	5.2	J	2.0	µg/Kg-dry	1	7/30/04 4:30:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-006
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-3 (2-3')
Collection Date: 7/19/04 2:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		98.5	%REC	1	7/30/04 4:30:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		99.8	%REC	1	7/30/04 4:30:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		98.5	%REC	1	7/30/04 4:30:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.8	%REC	1	7/30/04 4:30:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.058	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.63	J	0.46	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.12		1	7/26/04 3:42:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-007
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-8 (7-8')
Collection Date: 7/19/04 3:12:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		21.5	%	1	7/26/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		78.5	%	1	7/26/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		14.5	mg/Kg-dry	1	8/4/04 10:46:24 AM	JMW
Barium	NELAP	0.50		226	mg/Kg-dry	1	8/2/04 4:55:58 PM	SAM
Cadmium	NELAP	0.20		0.54	mg/Kg-dry	1	8/2/04 4:55:58 PM	SAM
Chromium	NELAP	1.00		23.5	mg/Kg-dry	1	8/2/04 4:25:22 PM	JMW
Lead	NELAP	4.00		18.7	mg/Kg-dry	1	8/2/04 4:55:58 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	8/2/04 4:55:58 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	8/2/04 4:55:58 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
1,2-Dichlorobenzene	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
1,3-Dichlorobenzene	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
1,4-Dichlorobenzene	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2,4,5-Trichlorophenol	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2,4,6-Trichlorophenol	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2,4-Dichlorophenol	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2,4-Dimethylphenol	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2,4-Dinitrophenol	NELAP	1.28		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2,4-Dinitrotoluene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2,6-Dinitrotoluene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2-Chloronaphthalene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2-Chlorophenol	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2-Methylnaphthalene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2-Nitroaniline	NELAP	1.28		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
2-Nitrophenol	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
3-Nitroaniline	NELAP	1.28		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	1.28		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
4-Chloro-3-methylphenol	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
4-Chloroaniline	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
4-Nitroaniline	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-007
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-8 (7-8')
Collection Date: 7/19/04 3:12:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Acenaphthene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Acenaphthylene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Anthracene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Benzo(a)anthracene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Benzo(a)pyrene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Benzo(b)fluoranthene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Benzo(g,h,i)perylene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Benzo(k)fluoranthene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	0.583		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	0.448	J	0.43	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Butyl benzyl phthalate	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Carbazole		0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Chrysene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Di-n-butyl phthalate	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Di-n-octyl phthalate	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Dibenzofuran	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Diethyl phthalate	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Dimethyl phthalate		0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Fluoranthene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Fluorene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Hexachlorobenzene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Hexachlorobutadiene	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Hexachlorocyclopentadiene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Hexachloroethane	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Isophorone	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
m,p-Cresol	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
N-Nitrosodiphenylamine	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Naphthalene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Nitrobenzene	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
o-Cresol	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Pentachlorophenol	NELAP	2.56		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-007
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-8 (7-8')
Collection Date: 7/19/04 3:12:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Phenol	NELAP	0.448		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Pyrene	NELAP	0.640		ND	mg/Kg-dry	1	7/30/04 3:03:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		79.8	%REC	1	7/30/04 3:03:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		72.9	%REC	1	7/30/04 3:03:00 PM	SML
Surr: 2-Fluorophenol		27-111		75.1	%REC	1	7/30/04 3:03:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		75.7	%REC	1	7/30/04 3:03:00 PM	SML
Surr: p-Terphenyl-d14		25-144		86.4	%REC	1	7/30/04 3:03:00 PM	SML
Surr: Phenol-d5		33.7-123		87.8	%REC	1	7/30/04 3:03:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
1,1,2-Trichloroethane	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
1,1-Dichloroethane	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
1,1-Dichloroethene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
1,2-Dichloroethane	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
1,2-Dichloropropane	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
2-Butanone	NELAP	1280	J	460	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
2-Hexanone	NELAP	1280		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
4-Methyl-2-pentanone	NELAP	1280		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Acetone	NELAP	1280	J	460	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Benzene	NELAP	25.6		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Bromodichloromethane	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Bromoform	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Bromomethane	NELAP	256		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Carbon disulfide	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Carbon tetrachloride	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Chlorobenzene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Chloroethane	NELAP	256		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Chloroform	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Chloromethane	NELAP	256		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	102		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Dibromochloromethane	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Ethylbenzene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Methyl tert-butyl ether	NELAP	51.1		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Methylene chloride	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-007
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-8 (7-8')
Collection Date: 7/19/04 3:12:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Tetrachloroethene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Toluene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	102		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Trichloroethene	NELAP	128		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Vinyl chloride	NELAP	51.1		ND	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Xylenes, Total	NELAP	128	J	46	µg/Kg-dry	12.5	8/1/04 8:48:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		97.7	%REC	12.5	8/1/04 8:48:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.9	%REC	12.5	8/1/04 8:48:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		96.1	%REC	12.5	8/1/04 8:48:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	12.5	8/1/04 8:48:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.049	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/30/04 1:20:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.20		1	7/26/04 3:44:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-008
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-8D (7-8')
Collection Date: 7/19/04 3:24:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.2	%	1	7/26/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.8	%	1	7/26/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.36		8.95	mg/Kg-dry	1	8/4/04 11:24:53 AM	JMW
Barium	NELAP	0.47		147	mg/Kg-dry	1	8/2/04 5:01:00 PM	SAM
Cadmium	NELAP	0.19		0.44	mg/Kg-dry	1	8/2/04 5:01:00 PM	SAM
Chromium	NELAP	0.94		24.2	mg/Kg-dry	1	8/2/04 4:28:19 PM	JMW
Lead	NELAP	3.77		20.6	mg/Kg-dry	1	8/2/04 5:01:00 PM	SAM
Selenium	NELAP	3.77		< 3.77	mg/Kg-dry	1	8/2/04 5:01:00 PM	SAM
Silver	NELAP	0.94		< 0.94	mg/Kg-dry	1	8/2/04 5:01:00 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
1,2-Dichlorobenzene	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
1,3-Dichlorobenzene	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
1,4-Dichlorobenzene	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2,4,5-Trichlorophenol	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2,4,6-Trichlorophenol	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2,4-Dichlorophenol	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2,4-Dimethylphenol	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2,4-Dinitrophenol	NELAP	1.22		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2,4-Dinitrotoluene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2,6-Dinitrotoluene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2-Chloronaphthalene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2-Chlorophenol	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2-Methylnaphthalene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2-Nitroaniline	NELAP	1.22		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
2-Nitrophenol	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
3-Nitroaniline	NELAP	1.22		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	1.22		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
4-Chloro-3-methylphenol	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
4-Chloroaniline	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
4-Nitroaniline	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-008
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-8D (7-8')
Collection Date: 7/19/04 3:24:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Acenaphthene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Acenaphthylene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Anthracene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Benzo(a)anthracene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Benzo(a)pyrene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Benzo(b)fluoranthene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Benzo(g,h,i)perylene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Benzo(k)fluoranthene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	0.558		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	0.428	J	0.28	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Butyl benzyl phthalate	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Carbazole		0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Chrysene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Di-n-butyl phthalate	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Di-n-octyl phthalate	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Dibenzofuran	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Diethyl phthalate	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Dimethyl phthalate		0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Fluoranthene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Fluorene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Hexachlorobenzene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Hexachlorobutadiene	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Hexachlorocyclopentadiene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Hexachloroethane	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Isophorone	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
m,p-Cresol	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
N-Nitrosodiphenylamine	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Naphthalene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Nitrobenzene	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
o-Cresol	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Pentachlorophenol	NELAP	2.45		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-008
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-8D (7-8')
Collection Date: 7/19/04 3:24:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Phenol	NELAP	0.428		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Pyrene	NELAP	0.612		ND	mg/Kg-dry	1	7/30/04 3:41:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		80.3	%REC	1	7/30/04 3:41:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		72.5	%REC	1	7/30/04 3:41:00 PM	SML
Surr: 2-Fluorophenol		27-111		74.4	%REC	1	7/30/04 3:41:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		74.0	%REC	1	7/30/04 3:41:00 PM	SML
Surr: p-Terphenyl-d14		25-144		85.3	%REC	1	7/30/04 3:41:00 PM	SML
Surr: Phenol-d5		33.7-123		87.0	%REC	1	7/30/04 3:41:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
1,1,2-Trichloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
1,1-Dichloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
1,1-Dichloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
1,2-Dichloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
1,2-Dichloropropane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
2-Butanone	NELAP	47.6	J	18	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
2-Hexanone	NELAP	47.6		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
4-Methyl-2-pentanone	NELAP	47.6		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Acetone	NELAP	47.6		129	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Benzene	NELAP	1.0		2.2	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Bromodichloromethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Bromoform	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Bromomethane	NELAP	9.5		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Carbon disulfide	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Carbon tetrachloride	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Chlorobenzene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Chloroethane	NELAP	9.5		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Chloroform	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Chloromethane	NELAP	9.5		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	3.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Dibromochloromethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Ethylbenzene	NELAP	4.8	J	1.7	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Methyl tert-butyl ether	NELAP	1.9		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Methylene chloride	NELAP	4.8	J	1.6	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-008
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-8D (7-8')
Collection Date: 7/19/04 3:24:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Tetrachloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Toluene	NELAP	4.8		5.5	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	3.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Trichloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Vinyl chloride	NELAP	1.9		ND	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Xylenes, Total	NELAP	4.8		5.2	µg/Kg-dry	1	8/1/04 1:31:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		106	%REC	1	8/1/04 1:31:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		91.6	%REC	1	8/1/04 1:31:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		106	%REC	1	8/1/04 1:31:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	1	8/1/04 1:31:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.056	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/30/04 1:36:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.28		1	7/26/04 3:45:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-009
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-19 (18-19)
Collection Date: 7/19/04 4:28:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.8	%	1	7/26/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		90.2	%	1	7/26/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	5.44		ND	mg/Kg-dry	1	7/26/04 5:29:00 PM	DMH
Kerosene	NELAP	5.44		ND	mg/Kg-dry	1	7/26/04 5:29:00 PM	DMH
Mineral Spirits	NELAP	5.44		ND	mg/Kg-dry	1	7/26/04 5:29:00 PM	DMH
Motor Oil	NELAP	5.44		ND	mg/Kg-dry	1	7/26/04 5:29:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		95.9	%REC	1	7/26/04 5:29:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Acenaphthylene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Anthracene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Benzo(a)anthracene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Benzo(a)pyrene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Chrysene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Fluoranthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Fluorene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Naphthalene	NELAP	0.111	J	0.013	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Phenanthrene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Pyrene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 12:04:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		57.8	%REC	1	7/29/04 12:04:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		47.6	%REC	1	7/29/04 12:04:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		69.7	%REC	1	7/29/04 12:04:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	0.8		1.4	µg/Kg-dry	1	7/30/04 5:02:00 AM	HLR
Toluene	NELAP	3.8	J	2.1	µg/Kg-dry	1	7/30/04 5:02:00 AM	HLR
Ethylbenzene	NELAP	3.8	J	0.8	µg/Kg-dry	1	7/30/04 5:02:00 AM	HLR
Xylenes, Total	NELAP	3.8	J	2.2	µg/Kg-dry	1	7/30/04 5:02:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		94.8	%REC	1	7/30/04 5:02:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		82.8	%REC	1	7/30/04 5:02:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-009
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-19 (18-19')
Collection Date: 7/19/04 4:28:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		101	%REC	1	7/30/04 5:02:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		90.6	%REC	1	7/30/04 5:02:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-010
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B559-28 (27-28)
Collection Date: 7/19/04 4:40:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		11.7	%	1	7/26/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		88.3	%	1	7/26/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.112	J	0.025	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Acenaphthylene	NELAP	0.112	J	0.029	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Benzo(a)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Benzo(a)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Chrysene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Fluorene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Naphthalene	NELAP	0.112	J	0.016	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Phenanthrene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 12:43:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		58.8	%REC	1	7/29/04 12:43:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		48.1	%REC	1	7/29/04 12:43:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		73.3	%REC	1	7/29/04 12:43:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		0.9	µg/Kg-dry	1	7/30/04 5:34:00 AM	HLR
Toluene	NELAP	3.6	J	1.3	µg/Kg-dry	1	7/30/04 5:34:00 AM	HLR
Ethylbenzene	NELAP	3.6		ND	µg/Kg-dry	1	7/30/04 5:34:00 AM	HLR
Xylenes, Total	NELAP	3.6	J	1.3	µg/Kg-dry	1	7/30/04 5:34:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		97.2	%REC	1	7/30/04 5:34:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.6	%REC	1	7/30/04 5:34:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		99.2	%REC	1	7/30/04 5:34:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		97.2	%REC	1	7/30/04 5:34:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-011
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-3 (2-3')
Collection Date: 7/19/04 5:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.7	%	1	7/26/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.3	%	1	7/26/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		22.5	mg/Kg-dry	1	8/4/04 10:54:11 AM	JMW
Barium	NELAP	0.48		96.4	mg/Kg-dry	1	8/2/04 5:16:07 PM	SAM
Cadmium	NELAP	0.19		0.55	mg/Kg-dry	1	8/2/04 5:16:07 PM	SAM
Chromium	NELAP	0.96		13.2	mg/Kg-dry	1	8/2/04 4:37:22 PM	JMW
Lead	NELAP	3.85		49.8	mg/Kg-dry	1	8/2/04 5:16:07 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	8/2/04 5:16:07 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	8/2/04 5:16:07 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	1.93	J	0.39	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Acenaphthylene	NELAP	1.93		5.39	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Anthracene	NELAP	1.93	J	1.7	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Benzo(a)anthracene	NELAP	1.93		5.92	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Benzo(a)pyrene	NELAP	1.93		23.0	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.93		18.6	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.93		7.35	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.93		4.47	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Chrysene	NELAP	1.93		8.09	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.93	J	1.8	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Fluoranthene	NELAP	1.93		8.15	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Fluorene	NELAP	1.93	J	0.75	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.93		6.28	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Naphthalene	NELAP	1.93	J	1.2	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Phenanthrene	NELAP	1.93		2.90	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Pyrene	NELAP	1.93		16.3	mg/Kg-dry	5	7/29/04 5:10:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		58.9	%REC	5	7/29/04 5:10:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		49.9	%REC	5	7/29/04 5:10:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		65.9	%REC	5	7/29/04 5:10:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.6		28.2	µg/Kg-dry	1	7/30/04 6:05:00 AM	HLR
Toluene	NELAP	8.2	J	7.1	µg/Kg-dry	1	7/30/04 6:05:00 AM	HLR
Ethylbenzene	NELAP	8.2	J	1.8	µg/Kg-dry	1	7/30/04 6:05:00 AM	HLR
Xylenes, Total	NELAP	8.2	J	6.3	µg/Kg-dry	1	7/30/04 6:05:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-011
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-3 (2-3')
Collection Date: 7/19/04 5:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		110	%REC	1	7/30/04 6:05:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	68.7	%REC	1	7/30/04 6:05:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121	S	122	%REC	1	7/30/04 6:05:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		87.2	%REC	1	7/30/04 6:05:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.174	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.60		2.51	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.60		1	7/26/04 4:02:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-9 (8-9)
Collection Date: 7/19/04 5:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.1	%	1	7/26/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.9	%	1	7/26/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		13.0	mg/Kg-dry	1	8/4/04 10:56:16 AM	JMW
Barium	NELAP	0.48		126	mg/Kg-dry	1	8/2/04 5:21:26 PM	SAM
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	8/2/04 5:21:26 PM	SAM
Chromium	NELAP	0.96		21.9	mg/Kg-dry	1	8/2/04 4:40:21 PM	JMW
Lead	NELAP	3.85		17.9	mg/Kg-dry	1	8/2/04 5:21:26 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	8/2/04 5:21:26 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	8/2/04 5:21:26 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
1,2-Dichlorobenzene	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
1,3-Dichlorobenzene	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
1,4-Dichlorobenzene	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2,4,5-Trichlorophenol	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2,4,6-Trichlorophenol	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2,4-Dichlorophenol	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2,4-Dimethylphenol	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2,4-Dinitrophenol	NELAP	31.8		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2,4-Dinitrotoluene	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2,6-Dinitrotoluene	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2-Chloronaphthalene	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2-Chlorophenol	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2-Methylnaphthalene	NELAP	11.1		75.9	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2-Nitroaniline	NELAP	31.8		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
2-Nitrophenol	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
3-Nitroaniline	NELAP	31.8		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	31.8		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
4-Chloro-3-methylphenol	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
4-Chloroaniline	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
4-Nitroaniline	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-9 (8-9')
Collection Date: 7/19/04 5:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Acenaphthene	NELAP	11.1		50.9	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Acenaphthylene	NELAP	11.1	J	5.8	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Anthracene	NELAP	11.1		22.3	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Benzo(a)anthracene	NELAP	11.1		11.8	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Benzo(a)pyrene	NELAP	11.1	J	10	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Benzo(b)fluoranthene	NELAP	11.1	J	7.9	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Benzo(g,h,i)perylene	NELAP	11.1	J	4.5	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Benzo(k)fluoranthene	NELAP	11.1	J	3.1	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	14.5		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Butyl benzyl phthalate	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Carbazole		15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Chrysene	NELAP	11.1	J	11	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Di-n-butyl phthalate	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Di-n-octyl phthalate	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Dibenzofuran	NELAP	11.1	J	4.1	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Diethyl phthalate	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Dimethyl phthalate		11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Fluoranthene	NELAP	11.1		23.1	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Fluorene	NELAP	11.1		29.5	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Hexachlorobenzene	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Hexachlorobutadiene	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Hexachlorocyclopentadiene	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Hexachloroethane	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	11.1	J	3.5	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Isophorone	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
m,p-Cresol	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
N-Nitrosodiphenylamine	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Naphthalene	NELAP	11.1		143	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Nitrobenzene	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
o-Cresol	NELAP	15.9		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Pentachlorophenol	NELAP	63.5		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-9 (8-9')
Collection Date: 7/19/04 5:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	11.1		63.6	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Phenol	NELAP	11.1		ND	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Pyrene	NELAP	15.9		32.9	mg/Kg-dry	25	8/2/04 5:54:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		82.7	%REC	25	8/2/04 5:54:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		105	%REC	25	8/2/04 5:54:00 PM	SML
Surr: 2-Fluorophenol		27-111		90.3	%REC	25	8/2/04 5:54:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		92.9	%REC	25	8/2/04 5:54:00 PM	SML
Surr: p-Terphenyl-d14		25-144		105	%REC	25	8/2/04 5:54:00 PM	SML
Surr: Phenol-d5		33.7-123		105	%REC	25	8/2/04 5:54:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
1,1,2-Trichloroethane	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
1,1-Dichloroethane	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
1,1-Dichloroethene	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
1,2-Dichloroethane	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
1,2-Dichloropropane	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
2-Butanone	NELAP	5200		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
2-Hexanone	NELAP	5200		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
4-Methyl-2-pentanone	NELAP	5200		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Acetone	NELAP	5200	J	2500	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Benzene	NELAP	104		2080	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Bromodichloromethane	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Bromoform	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Bromomethane	NELAP	1040		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Carbon disulfide	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Carbon tetrachloride	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Chlorobenzene	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Chloroethane	NELAP	1040		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Chloroform	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Chloromethane	NELAP	1040		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	416		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Dibromochloromethane	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Ethylbenzene	NELAP	2600		33100	µg/Kg-dry	250	8/1/04 12:41:00 PM	HLR
Methyl tert-butyl ether	NELAP	208		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Methylene chloride	NELAP	520	J	200	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-9 (8-9')
Collection Date: 7/19/04 5:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Tetrachloroethene	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Toluene	NELAP	520		575	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	416		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Trichloroethene	NELAP	520		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Vinyl chloride	NELAP	208		ND	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Xylenes, Total	NELAP	520		24300	µg/Kg-dry	50	8/1/04 2:02:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		105	%REC	50	8/1/04 2:02:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		94.6	%REC	50	8/1/04 2:02:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		103	%REC	50	8/1/04 2:02:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	50	8/1/04 2:02:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.036	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/30/04 1:52:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.60		1	7/26/04 4:03:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-013
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-11 (10-11)
Collection Date: 7/19/04 6:07:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		21.9	%	1	7/26/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.1	%	1	7/26/04	JRS
SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	64.7		1510 #	mg/Kg-dry	10	7/27/04 11:34:00 AM	DMH
Kerosene	NELAP	64.7		ND	mg/Kg-dry	10	7/27/04 11:34:00 AM	DMH
Mineral Spirits	NELAP	64.7		ND	mg/Kg-dry	10	7/27/04 11:34:00 AM	DMH
Motor Oil	NELAP	64.7		ND	mg/Kg-dry	10	7/27/04 11:34:00 AM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		96.6	%REC	10	7/27/04 11:34:00 AM	DMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	24.6		47.7	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Acenaphthylene	NELAP	24.6	J	8.1	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Anthracene	NELAP	18.4		24.1	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Benzo(a)anthracene	NELAP	24.6	J	13	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Benzo(a)pyrene	NELAP	24.6	J	13	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Benzo(b)fluoranthene	NELAP	24.6	J	11	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	24.6	J	4.9	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Benzo(k)fluoranthene	NELAP	24.6	J	3.3	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Chrysene	NELAP	24.6	J	12	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	24.6		ND	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Fluoranthene	NELAP	24.6		27.0	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Fluorene	NELAP	24.6		35.0	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	24.6	J	4.3	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Naphthalene	NELAP	24.6		193	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Phenanthrene	NELAP	24.6		78.3	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Pyrene	NELAP	24.6		38.8	mg/Kg-dry	100	7/30/04 6:50:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	100	7/30/04 6:50:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	100	7/30/04 6:50:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	100	7/30/04 6:50:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	103		2580	µg/Kg-dry	50	7/30/04 6:37:00 AM	HLR
Toluene	NELAP	517	J	220	µg/Kg-dry	50	7/30/04 6:37:00 AM	HLR
Ethylbenzene	NELAP	3080		37100	µg/Kg-dry	250	8/1/04 7:45:00 AM	HLR
Xylenes, Total	NELAP	517		19000	µg/Kg-dry	50	7/30/04 6:37:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		94.4	%REC	50	7/30/04 6:37:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		102	%REC	50	7/30/04 6:37:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-013
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-11 (10-11')
Collection Date: 7/19/04 6:07:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		95.1	%REC	50	7/30/04 6:37:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	50	7/30/04 6:37:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-014
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B508-28 (27-28)
Collection Date: 7/19/04 6:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10	%	1	7/26/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		90.0	%	1	7/26/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Acenaphthylene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Benzo(a)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Benzo(a)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Chrysene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Fluorene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Naphthalene	NELAP	0.113	J	0.030	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Phenanthrene	NELAP	0.113	J	0.019	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 1:23:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		53.4	%REC	1	7/29/04 1:23:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		40.2	%REC	1	7/29/04 1:23:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		75.1	%REC	1	7/29/04 1:23:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		1.4	µg/Kg-dry	1	7/30/04 7:09:00 AM	HLR
Toluene	NELAP	4.2	J	1.7	µg/Kg-dry	1	7/30/04 7:09:00 AM	HLR
Ethylbenzene	NELAP	4.2	J	1.0	µg/Kg-dry	1	7/30/04 7:09:00 AM	HLR
Xylenes, Total	NELAP	4.2	J	1.7	µg/Kg-dry	1	7/30/04 7:09:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		94.2	%REC	1	7/30/04 7:09:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		94.0	%REC	1	7/30/04 7:09:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		99.5	%REC	1	7/30/04 7:09:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		98.1	%REC	1	7/30/04 7:09:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-015
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B557-1 (0-1')
Collection Date: 7/20/04 8:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		18.8	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		81.2	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		9.68	mg/Kg-dry	1	8/4/04 11:05:02 AM	JMW
Barium	NELAP	0.48		102	mg/Kg-dry	1	8/2/04 5:26:29 PM	SAM
Cadmium	NELAP	0.19		0.59	mg/Kg-dry	1	8/2/04 5:26:29 PM	SAM
Chromium	NELAP	0.96		15.6	mg/Kg-dry	1	8/2/04 4:49:19 PM	JMW
Lead	NELAP	3.85		184	mg/Kg-dry	1	8/2/04 5:26:29 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	8/2/04 5:26:29 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	8/2/04 5:26:29 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.388	J	0.17	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Acenaphthylene	NELAP	0.388		0.876	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Anthracene	NELAP	0.388		0.616	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Benzo(a)anthracene	NELAP	0.388		3.55	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Benzo(a)pyrene	NELAP	1.94		5.24	mg/Kg-dry	5	7/30/04 1:20:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.94		6.00	mg/Kg-dry	5	7/30/04 1:20:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.94		2.66	mg/Kg-dry	5	7/30/04 1:20:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.94	J	1.9	mg/Kg-dry	5	7/30/04 1:20:00 PM	DMH
Chrysene	NELAP	0.388		3.82	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.94	J	0.72	mg/Kg-dry	5	7/30/04 1:20:00 PM	DMH
Fluoranthene	NELAP	0.388		6.31	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Fluorene	NELAP	0.388	J	0.11	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.94		2.53	mg/Kg-dry	5	7/30/04 1:20:00 PM	DMH
Naphthalene	NELAP	0.388		0.982	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Phenanthrene	NELAP	0.388		2.83	mg/Kg-dry	1	7/29/04 6:27:00 PM	DMH
Pyrene	NELAP	1.94		6.02	mg/Kg-dry	5	7/30/04 1:20:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		59.3	%REC	1	7/29/04 6:27:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		51.5	%REC	1	7/29/04 6:27:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		72.2	%REC	1	7/29/04 6:27:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.4		5.3	µg/Kg-dry	1	7/30/04 7:41:00 AM	HLR
Toluene	NELAP	7.1	J	3.6	µg/Kg-dry	1	7/30/04 7:41:00 AM	HLR
Ethylbenzene	NELAP	7.1	J	2.1	µg/Kg-dry	1	7/30/04 7:41:00 AM	HLR
Xylenes, Total	NELAP	7.1	J	5.2	µg/Kg-dry	1	7/30/04 7:41:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-015
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B557-1 (0-1')
Collection Date: 7/20/04 8:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		118	%REC	1	7/30/04 7:41:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	66.1	%REC	1	7/30/04 7:41:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121	S	132	%REC	1	7/30/04 7:41:00 AM	HLR
Surr: Toluene-d8		82.8-112.8	S	79.9	%REC	1	7/30/04 7:41:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.133	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.58		1.01	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.95		1	7/26/04 4:05:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-016
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B557-10 (9-10)
Collection Date: 7/20/04 9:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		21.7	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.3	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.127		0.319	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Acenaphthylene	NELAP	0.127	J	0.13	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Anthracene	NELAP	0.127		0.183	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Benzo(a)anthracene	NELAP	0.127		0.141	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Benzo(a)pyrene	NELAP	0.127		0.163	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.127		0.133	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.127	J	0.054	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.127	J	0.039	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Chrysene	NELAP	0.127		0.142	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.127	J	0.020	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Fluoranthene	NELAP	0.127		0.334	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Fluorene	NELAP	0.127		0.199	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.127	J	0.048	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Naphthalene	NELAP	0.127	J	0.014	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Phenanthrene	NELAP	0.127		1.11	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Pyrene	NELAP	0.127		0.499	mg/Kg-dry	1	7/29/04 2:02:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		34.0	%REC	1	7/29/04 2:02:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		35.8	%REC	1	7/29/04 2:02:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		74.1	%REC	1	7/29/04 2:02:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.1		7.1	µg/Kg-dry	1	7/30/04 8:12:00 AM	HLR
Toluene	NELAP	5.5	J	2.0	µg/Kg-dry	1	7/30/04 8:12:00 AM	HLR
Ethylbenzene	NELAP	5.5		7.4	µg/Kg-dry	1	7/30/04 8:12:00 AM	HLR
Xylenes, Total	NELAP	5.5		13.4	µg/Kg-dry	1	7/30/04 8:12:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		96.5	%REC	1	7/30/04 8:12:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		99.1	%REC	1	7/30/04 8:12:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		99.8	%REC	1	7/30/04 8:12:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.6	%REC	1	7/30/04 8:12:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B557-12 (11-12)
Collection Date: 7/20/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		18.5	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		81.5	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		12.4	mg/Kg-dry	1	8/4/04 11:06:58 AM	JMW
Barium	NELAP	0.50		109	mg/Kg-dry	1	8/2/04 5:31:46 PM	SAM
Cadmium	NELAP	0.20		< 0.20	mg/Kg-dry	1	8/2/04 5:31:46 PM	SAM
Chromium	NELAP	1.00		23.3	mg/Kg-dry	1	8/2/04 4:52:18 PM	JMW
Lead	NELAP	4.00		19.1	mg/Kg-dry	1	8/2/04 5:31:46 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	8/2/04 5:31:46 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	8/2/04 5:31:46 PM	SAM
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	62.0		467 #	mg/Kg-dry	10	7/27/04 12:02:00 PM	DMH
Kerosene	NELAP	62.0		ND	mg/Kg-dry	10	7/27/04 12:02:00 PM	DMH
Mineral Spirits	NELAP	62.0		ND	mg/Kg-dry	10	7/27/04 12:02:00 PM	DMH
Motor Oil	NELAP	62.0		ND	mg/Kg-dry	10	7/27/04 12:02:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		86.7	%REC	10	7/27/04 12:02:00 PM	DMH
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
1,2-Dichlorobenzene	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
1,3-Dichlorobenzene	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
1,4-Dichlorobenzene	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2,4,5-Trichlorophenol	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2,4,6-Trichlorophenol	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2,4-Dichlorophenol	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2,4-Dimethylphenol	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2,4-Dinitrophenol	NELAP	2.47		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2,4-Dinitrotoluene	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2,6-Dinitrotoluene	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2-Chloronaphthalene	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2-Chlorophenol	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2-Methylnaphthalene	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2-Nitroaniline	NELAP	2.47		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
2-Nitrophenol	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
3-Nitroaniline	NELAP	2.47		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B557-12 (11-12)
Collection Date: 7/20/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4,6-Dinitro-2-methylphenol	NELAP	2.47		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
4-Chloro-3-methylphenol	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
4-Chloroaniline	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
4-Nitroaniline	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
4-Nitrophenol	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Acenaphthene	NELAP	0.865		6.22	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Acenaphthylene	NELAP	0.865		1.49	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Anthracene	NELAP	0.865		4.24	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Benzo(a)anthracene	NELAP	0.865		2.30	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Benzo(a)pyrene	NELAP	0.865		1.90	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Benzo(b)fluoranthene	NELAP	0.865		1.55	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Benzo(g,h,i)perylene	NELAP	0.865	J	0.50	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Benzo(k)fluoranthene	NELAP	0.865	J	0.45	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	1.13		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Butyl benzyl phthalate	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Carbazole		1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Chrysene	NELAP	0.865		2.09	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Di-n-butyl phthalate	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Di-n-octyl phthalate	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Dibenzofuran	NELAP	0.865	J	0.54	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Diethyl phthalate	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Dimethyl phthalate		0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Fluoranthene	NELAP	0.865		4.25	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Fluorene	NELAP	0.865		5.26	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Hexachlorobenzene	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Hexachlorobutadiene	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Hexachlorocyclopentadiene	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Hexachloroethane	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	0.865	J	0.41	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Isophorone	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
m,p-Cresol	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B557-12 (11-12)
Collection Date: 7/20/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
N-Nitroso-di-n-propylamine	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
N-Nitrosodiphenylamine	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Naphthalene	NELAP	0.865	J	0.45	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Nitrobenzene	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
o-Cresol	NELAP	1.24		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Pentachlorophenol	NELAP	4.94		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Phenanthrene	NELAP	0.865		11.5	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Phenol	NELAP	0.865		ND	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Pyrene	NELAP	1.24		6.40	mg/Kg-dry	1	7/30/04 6:53:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		73.5	%REC	1	7/30/04 6:53:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		73.1	%REC	1	7/30/04 6:53:00 PM	SML
Surr: 2-Fluorophenol		27-111		63.4	%REC	1	7/30/04 6:53:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		66.8	%REC	1	7/30/04 6:53:00 PM	SML
Surr: p-Terphenyl-d14		25-144		81.8	%REC	1	7/30/04 6:53:00 PM	SML
Surr: Phenol-d5		33.7-123		73.6	%REC	1	7/30/04 6:53:00 PM	SML
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1-Trichloroethane	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
1,1,2-Trichloroethane	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
1,1-Dichloroethane	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
1,1-Dichloroethene	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
1,2-Dichloroethane	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
1,2-Dichloropropane	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
2-Butanone	NELAP	90.1		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
2-Hexanone	NELAP	90.1		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
4-Methyl-2-pentanone	NELAP	90.1		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Acetone	NELAP	90.1	J	67	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Benzene	NELAP	1.8		30.8	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Bromodichloromethane	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Bromoform	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Bromomethane	NELAP	18.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Carbon disulfide	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Carbon tetrachloride	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Chlorobenzene	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Chloroethane	NELAP	18.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Chloroform	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Chloromethane	NELAP	18.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B557-12 (11-12)
Collection Date: 7/20/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
cis-1,2-Dichloroethene	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	7.2		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Dibromochloromethane	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Ethylbenzene	NELAP	113		1030	µg/Kg-dry	12.5	8/1/04 1:13:00 PM	HLR
Methyl tert-butyl ether	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Methylene chloride	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Styrene	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Tetrachloroethene	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Toluene	NELAP	9.0		9.9	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	7.2		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Trichloroethene	NELAP	9.0		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Vinyl chloride	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 2:34:00 AM	HLR
Xylenes, Total	NELAP	113		532	µg/Kg-dry	12.5	8/1/04 1:13:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	1	8/1/04 2:34:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		86.8	%REC	1	8/1/04 2:34:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		104	%REC	1	8/1/04 2:34:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		98.2	%REC	1	8/1/04 2:34:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012	J	0.009	mg/Kg-dry	1	8/2/04	JMW
<u>SW-846 8015. MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		12		ND	mg/Kg-dry	1	7/30/04 5:05:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.80		1	7/27/04 4:00:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-018
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B557-24 (23-24)
Collection Date: 7/20/04 10:55:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		11.2	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		88.8	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.113	J	0.023	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Acenaphthylene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Anthracene	NELAP	0.113	J	0.023	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Benzo(a)anthracene	NELAP	0.113	J	0.017	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Benzo(a)pyrene	NELAP	0.113	J	0.014	mg/Kg-dry	1	7/29/04 2:36:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.113	J	0.012	mg/Kg-dry	1	7/29/04 2:36:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 2:36:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 2:36:00 PM	DMH
Chrysene	NELAP	0.113	J	0.016	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 2:36:00 PM	DMH
Fluoranthene	NELAP	0.113	J	0.027	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Fluorene	NELAP	0.113	J	0.020	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 2:36:00 PM	DMH
Naphthalene	NELAP	0.113	J	0.053	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Phenanthrene	NELAP	0.113	J	0.070	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Pyrene	NELAP	0.113	J	0.040	mg/Kg-dry	1	7/29/04 5:55:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		47.9	%REC	1	7/29/04 5:55:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		39.4	%REC	1	7/29/04 5:55:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		66.0	%REC	1	7/29/04 5:55:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.9		0.9	µg/Kg-dry	1	8/1/04 8:16:00 AM	HLR
Toluene	NELAP	4.3	J	1.1	µg/Kg-dry	1	8/1/04 8:16:00 AM	HLR
Ethylbenzene	NELAP	4.3		ND	µg/Kg-dry	1	8/1/04 8:16:00 AM	HLR
Xylenes, Total	NELAP	4.3	J	1.2	µg/Kg-dry	1	8/1/04 8:16:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	1	8/1/04 8:16:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.9	%REC	1	8/1/04 8:16:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		101	%REC	1	8/1/04 8:16:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.5	%REC	1	8/1/04 8:16:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-019
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-3 (2-3')
Collection Date: 7/20/04 12:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		25.5	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		74.5	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40	J	2.2	mg/Kg-dry	1	8/3/04 12:32:15 PM	JMW
Barium	NELAP	0.48		59.8	mg/Kg-dry	1	8/2/04 3:43:50 PM	SAM
Cadmium	NELAP	0.19	J	0.13	mg/Kg-dry	1	8/2/04 3:43:50 PM	SAM
Chromium	NELAP	0.96		9.54	mg/Kg-dry	1	8/2/04 5:01:22 PM	JMW
Lead	NELAP	3.85		55.7	mg/Kg-dry	1	8/2/04 3:43:50 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	8/2/04 3:43:50 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	8/2/04 3:43:50 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	1.96	J	1.4	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Acenaphthylene	NELAP	1.96		5.90	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Anthracene	NELAP	1.96		4.44	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Benzo(a)anthracene	NELAP	1.96		6.39	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Benzo(a)pyrene	NELAP	1.96		17.7	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.96		13.4	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.96		6.11	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.96		3.67	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Chrysene	NELAP	1.96		7.88	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.96	J	1.5	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Fluoranthene	NELAP	1.96		9.16	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Fluorene	NELAP	1.96		3.91	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.96		5.29	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Naphthalene	NELAP	1.96		5.27	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Phenanthrene	NELAP	1.96		9.93	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Pyrene	NELAP	1.96		18.3	mg/Kg-dry	5	7/29/04 3:15:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		61.8	%REC	5	7/29/04 3:15:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		56.9	%REC	5	7/29/04 3:15:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		71.9	%REC	5	7/29/04 3:15:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.6		10.3	µg/Kg-dry	1	7/30/04 8:07:00 PM	HLR
Toluene	NELAP	8.2		26.2	µg/Kg-dry	1	7/30/04 8:07:00 PM	HLR
Ethylbenzene	NELAP	8.2		11.5	µg/Kg-dry	1	7/30/04 8:07:00 PM	HLR
Xylenes, Total	NELAP	8.2		41.6	µg/Kg-dry	1	7/30/04 8:07:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-019
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-3 (2-3')
Collection Date: 7/20/04 12:55:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		111	%REC	1	7/30/04 8:07:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	67.9	%REC	1	7/30/04 8:07:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121	S	121	%REC	1	7/30/04 8:07:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		84.9	%REC	1	7/30/04 8:07:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.075	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.66		2.98	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		5.26		1	7/26/04 4:07:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-020
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-6 (5-6')
Collection Date: 7/20/04 1:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		22.9	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		77.1	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	12.6		63.9	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Acenaphthylene	NELAP	12.6	J	4.2	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Anthracene	NELAP	12.6		27.7	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Benzo(a)anthracene	NELAP	9.46		12.1	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Benzo(a)pyrene	NELAP	9.46		12.3	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Benzo(b)fluoranthene	NELAP	12.6	J	8.7	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	12.6	J	5.0	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Benzo(k)fluoranthene	NELAP	12.6	J	2.4	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Chrysene	NELAP	12.6	J	13	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	12.6	J	1.3	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Fluoranthene	NELAP	12.6		27.3	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Fluorene	NELAP	12.6		26.4	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	12.6	J	4.3	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Naphthalene	NELAP	12.6		205	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Phenanthrene	NELAP	12.6		90.0	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Pyrene	NELAP	12.6		40.4	mg/Kg-dry	100	7/30/04 10:45:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	100	7/30/04 10:45:00 AM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	100	7/30/04 10:45:00 AM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	100	7/30/04 10:45:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	206		2770	µg/Kg-dry	100	7/30/04 8:39:00 PM	HLR
Toluene	NELAP	1030		ND	µg/Kg-dry	100	7/30/04 8:39:00 PM	HLR
Ethylbenzene	NELAP	1030		19900	µg/Kg-dry	100	7/30/04 8:39:00 PM	HLR
Xylenes, Total	NELAP	1030		12200	µg/Kg-dry	100	7/30/04 8:39:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		98.1	%REC	100	7/30/04 8:39:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		99.0	%REC	100	7/30/04 8:39:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		98.1	%REC	100	7/30/04 8:39:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	100	7/30/04 8:39:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-021
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-20 (19-20)
Collection Date: 7/20/04 2:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		11.9	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		88.1	%	1	7/27/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	56.8		1010 #	mg/Kg-dry	10	7/27/04 12:31:00 PM	DMH
Kerosene	NELAP	56.8		ND	mg/Kg-dry	10	7/27/04 12:31:00 PM	DMH
Mineral Spirits	NELAP	56.8		ND	mg/Kg-dry	10	7/27/04 12:31:00 PM	DMH
Motor Oil	NELAP	56.8		ND	mg/Kg-dry	10	7/27/04 12:31:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		90.8	%REC	10	7/27/04 12:31:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	1.14		11.7	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Acenaphthylene	NELAP	28.6		51.8	mg/Kg-dry	250	7/30/04 11:23:00 AM	DMH
Anthracene	NELAP	21.4		27.7	mg/Kg-dry	250	7/30/04 11:23:00 AM	DMH
Benzo(a)anthracene	NELAP	1.14		13.3	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Benzo(a)pyrene	NELAP	1.14		17.3	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.14		10.7	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.14		3.01	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.14		3.31	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Chrysene	NELAP	1.14		13.5	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.14	J	0.96	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Fluoranthene	NELAP	28.6		30.5	mg/Kg-dry	250	7/30/04 11:23:00 AM	DMH
Fluorene	NELAP	28.6		30.9	mg/Kg-dry	250	7/30/04 11:23:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.14		2.82	mg/Kg-dry	10	7/29/04 4:32:00 PM	DMH
Naphthalene	NELAP	28.6		239	mg/Kg-dry	250	7/30/04 11:23:00 AM	DMH
Phenanthrene	NELAP	28.6		90.0	mg/Kg-dry	250	7/30/04 11:23:00 AM	DMH
Pyrene	NELAP	28.6		47.3	mg/Kg-dry	250	7/30/04 11:23:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		61.8	%REC	10	7/29/04 4:32:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		47.6	%REC	10	7/29/04 4:32:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		81.7	%REC	10	7/29/04 4:32:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	160		3350	µg/Kg-dry	100	7/31/04 3:32:00 AM	HLR
Toluene	NELAP	798		10400	µg/Kg-dry	100	7/31/04 3:32:00 AM	HLR
Ethylbenzene	NELAP	798		4510	µg/Kg-dry	100	7/31/04 3:32:00 AM	HLR
Xylenes, Total	NELAP	798		13900	µg/Kg-dry	100	7/31/04 3:32:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		90.4	%REC	100	7/31/04 3:32:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		105	%REC	100	7/31/04 3:32:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-021
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-20 (19-20')
Collection Date: 7/20/04 2:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		94.7	%REC	100	7/31/04 3:32:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.2	%REC	100	7/31/04 3:32:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-28 (27-28)
Collection Date: 7/20/04 2:42:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.1	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		90.9	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.36		3.69	mg/Kg-dry	1	8/3/04 12:34:13 PM	JMW
Barium	NELAP	0.47		17.2	mg/Kg-dry	1	8/2/04 3:48:54 PM	SAM
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	8/2/04 3:48:54 PM	SAM
Chromium	NELAP	0.94		11.4	mg/Kg-dry	1	8/2/04 5:04:20 PM	JMW
Lead	NELAP	3.77		9.94	mg/Kg-dry	1	8/2/04 3:48:54 PM	SAM
Selenium	NELAP	3.77		< 3.77	mg/Kg-dry	1	8/2/04 3:48:54 PM	SAM
Silver	NELAP	0.94		< 0.94	mg/Kg-dry	1	8/2/04 3:48:54 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
1,2-Dichlorobenzene	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
1,3-Dichlorobenzene	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
1,4-Dichlorobenzene	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2,4,5-Trichlorophenol	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2,4,6-Trichlorophenol	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2,4-Dichlorophenol	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2,4-Dimethylphenol	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2,4-Dinitrophenol	NELAP	1.07		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2,4-Dinitrotoluene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2,6-Dinitrotoluene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2-Chloronaphthalene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2-Chlorophenol	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2-Methylnaphthalene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2-Nitroaniline	NELAP	1.07		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
2-Nitrophenol	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
3-Nitroaniline	NELAP	1.07		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	1.07		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
4-Chloro-3-methylphenol	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
4-Chloroaniline	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
4-Nitroaniline	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-28 (27-28)
Collection Date: 7/20/04 2:42:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Acenaphthene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Acenaphthylene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Anthracene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Benzo(a)anthracene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Benzo(a)pyrene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Benzo(b)fluoranthene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Benzo(g,h,i)perylene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Benzo(k)fluoranthene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	0.489		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	0.375	J	0.25	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Butyl benzyl phthalate	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Carbazole		0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Chrysene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Di-n-butyl phthalate	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Di-n-octyl phthalate	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Dibenzofuran	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Diethyl phthalate	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Dimethyl phthalate		0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Fluoranthene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Fluorene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Hexachlorobenzene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Hexachlorobutadiene	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Hexachlorocyclopentadiene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Hexachloroethane	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Isophorone	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
m,p-Cresol	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
N-Nitrosodiphenylamine	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Naphthalene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Nitrobenzene	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
o-Cresol	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Pentachlorophenol	NELAP	2.15		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-28 (27-28)
Collection Date: 7/20/04 2:42:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Phenol	NELAP	0.375		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Pyrene	NELAP	0.536		ND	mg/Kg-dry	1	7/30/04 4:19:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		81.2	%REC	1	7/30/04 4:19:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		84.4	%REC	1	7/30/04 4:19:00 PM	SML
Surr: 2-Fluorophenol		27-111		78.2	%REC	1	7/30/04 4:19:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		80.4	%REC	1	7/30/04 4:19:00 PM	SML
Surr: p-Terphenyl-d14		25-144		86.6	%REC	1	7/30/04 4:19:00 PM	SML
Surr: Phenol-d5		33.7-123		91.0	%REC	1	7/30/04 4:19:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
1,1,2-Trichloroethane	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
1,1-Dichloroethane	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
1,1-Dichloroethene	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
1,2-Dichloroethane	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
1,2-Dichloropropane	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
2-Butanone	NELAP	39.0		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
2-Hexanone	NELAP	39.0		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
4-Methyl-2-pentanone	NELAP	39.0		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Acetone	NELAP	39.0	J	31	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Benzene	NELAP	0.8		2.1	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Bromodichloromethane	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Bromoform	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Bromomethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Carbon disulfide	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Carbon tetrachloride	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Chlorobenzene	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Chloroethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Chloroform	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Chloromethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	3.1		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Dibromochloromethane	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Ethylbenzene	NELAP	3.9	J	2.3	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Methyl tert-butyl ether	NELAP	1.6		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Methylene chloride	NELAP	3.9	J	1.1	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-28 (27-28')
Collection Date: 7/20/04 2:42:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Tetrachloroethene	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Toluene	NELAP	3.9		5.0	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	3.1		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Trichloroethene	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Vinyl chloride	NELAP	1.6		ND	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Xylenes, Total	NELAP	3.9		4.6	µg/Kg-dry	1	8/1/04 3:05:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	1	8/1/04 3:05:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		76.7	%REC	1	8/1/04 3:05:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		105	%REC	1	8/1/04 3:05:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		90.3	%REC	1	8/1/04 3:05:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.011	J	0.008	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/30/04 2:08:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		8.15		1	7/27/04 3:09:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-28D (27-28')
Collection Date: 7/20/04 2:47:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.2	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		90.8	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.31	J	2.2	mg/Kg-dry	1	8/3/04 12:10:06 PM	JMW
Barium	NELAP	0.46		16.8	mg/Kg-dry	1	8/2/04 3:54:12 PM	SAM
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	8/2/04 3:54:12 PM	SAM
Chromium	NELAP	0.93		11.2	mg/Kg-dry	1	8/2/04 5:08:18 PM	JMW
Lead	NELAP	3.70		9.49	mg/Kg-dry	1	8/2/04 3:54:12 PM	SAM
Selenium	NELAP	3.70		< 3.70	mg/Kg-dry	1	8/2/04 3:54:12 PM	SAM
Silver	NELAP	0.93		< 0.93	mg/Kg-dry	1	8/2/04 3:54:12 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
1,2-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
1,3-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
1,4-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2,4,5-Trichlorophenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2,4,6-Trichlorophenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2,4-Dichlorophenol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2,4-Dimethylphenol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2,4-Dinitrophenol	NELAP	1.11		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2,4-Dinitrotoluene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2,6-Dinitrotoluene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2-Chloronaphthalene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2-Chlorophenol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2-Methylnaphthalene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
2-Nitrophenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
3-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	1.11		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
4-Chloro-3-methylphenol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
4-Chloroaniline	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
4-Nitroaniline	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-28D (27-28')
Collection Date: 7/20/04 2:47:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Acenaphthene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Acenaphthylene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Anthracene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Benzo(a)anthracene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Benzo(a)pyrene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Benzo(b)fluoranthene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Benzo(g,h,i)perylene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Benzo(k)fluoranthene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	0.505		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	0.387	J	0.23	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Butyl benzyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Carbazole		0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Chrysene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Di-n-butyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Di-n-octyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Dibenzofuran	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Diethyl phthalate	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Dimethyl phthalate		0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Fluoranthene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Fluorene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Hexachlorobenzene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Hexachlorobutadiene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Hexachlorocyclopentadiene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Hexachloroethane	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Isophorone	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
m,p-Cresol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
N-Nitrosodiphenylamine	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Naphthalene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Nitrobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
o-Cresol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Pentachlorophenol	NELAP	2.21		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-28D (27-28')
Collection Date: 7/20/04 2:47:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Phenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Pyrene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 4:58:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		82.3	%REC	1	7/30/04 4:58:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		84.9	%REC	1	7/30/04 4:58:00 PM	SML
Surr: 2-Fluorophenol		27-111		78.5	%REC	1	7/30/04 4:58:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		80.0	%REC	1	7/30/04 4:58:00 PM	SML
Surr: p-Terphenyl-d14		25-144		88.1	%REC	1	7/30/04 4:58:00 PM	SML
Surr: Phenol-d5		33.7-123		90.2	%REC	1	7/30/04 4:58:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
1,1,2-Trichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
1,1-Dichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
1,1-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
1,2-Dichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
1,2-Dichloropropane	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
2-Butanone	NELAP	36.4		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
2-Hexanone	NELAP	36.4		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
4-Methyl-2-pentanone	NELAP	36.4		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Acetone	NELAP	36.4	J	26	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Benzene	NELAP	0.7		1.1	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Bromodichloromethane	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Bromoform	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Bromomethane	NELAP	7.3		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Carbon disulfide	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Carbon tetrachloride	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Chlorobenzene	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Chloroethane	NELAP	7.3		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Chloroform	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Chloromethane	NELAP	7.3		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	2.9		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Dibromochloromethane	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Ethylbenzene	NELAP	3.6	J	0.8	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Methyl tert-butyl ether	NELAP	1.5		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Methylene chloride	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B556-28D (27-28')
Collection Date: 7/20/04 2:47:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Tetrachloroethene	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Toluene	NELAP	3.6	J	2.3	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	2.9		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Trichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Vinyl chloride	NELAP	1.5		ND	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Xylenes, Total	NELAP	3.6	J	2.2	µg/Kg-dry	1	8/1/04 3:36:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	1	8/1/04 3:36:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		90.7	%REC	1	8/1/04 3:36:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		101	%REC	1	8/1/04 3:36:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.2	%REC	1	8/1/04 3:36:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.011	J	0.009	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/30/04 2:24:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		8.23		1	7/27/04 3:12:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-024
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-3 (2-3')
Collection Date: 7/20/04 4:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		29.0	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		71.0	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		11.6	mg/Kg-dry	1	8/3/04 12:12:03 PM	JMW
Barium	NELAP	0.50		45.6	mg/Kg-dry	1	8/2/04 3:59:29 PM	SAM
Cadmium	NELAP	0.20		2.04	mg/Kg-dry	1	8/2/04 3:59:29 PM	SAM
Chromium	NELAP	1.00		22.3	mg/Kg-dry	1	8/2/04 5:11:17 PM	JMW
Lead	NELAP	4.00		32.1	mg/Kg-dry	1	8/2/04 3:59:29 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	8/2/04 3:59:29 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	8/2/04 3:59:29 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
1,2-Dichlorobenzene	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
1,3-Dichlorobenzene	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
1,4-Dichlorobenzene	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2,4,5-Trichlorophenol	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2,4,6-Trichlorophenol	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2,4-Dichlorophenol	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2,4-Dimethylphenol	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2,4-Dinitrophenol	NELAP	98.6		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2,4-Dinitrotoluene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2,6-Dinitrotoluene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2-Chloronaphthalene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2-Chlorophenol	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2-Methylnaphthalene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2-Nitroaniline	NELAP	98.6		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
2-Nitrophenol	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
3-Nitroaniline	NELAP	98.6		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	98.6		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
4-Chloro-3-methylphenol	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
4-Chloroaniline	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
4-Nitroaniline	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-024
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-3 (2-3')
Collection Date: 7/20/04 4:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Acenaphthene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Acenaphthylene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Anthracene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Benzo(a)anthracene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Benzo(a)pyrene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Benzo(b)fluoranthene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Benzo(g,h,i)perylene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Benzo(k)fluoranthene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	45.0		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Butyl benzyl phthalate	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Carbazole		49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Chrysene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Di-n-butyl phthalate	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Di-n-octyl phthalate	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Dibenzofuran	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Diethyl phthalate	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Dimethyl phthalate		34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Fluoranthene	NELAP	34.5	J	19	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Fluorene	NELAP	34.5	J	12	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Hexachlorobenzene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Hexachlorobutadiene	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Hexachlorocyclopentadiene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Hexachloroethane	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Isophorone	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
m,p-Cresol	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
N-Nitrosodiphenylamine	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Naphthalene	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Nitrobenzene	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
o-Cresol	NELAP	49.3		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Pentachlorophenol	NELAP	197		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-024
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-3 (2-3')
Collection Date: 7/20/04 4:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	34.5	J	14	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Phenol	NELAP	34.5		ND	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Pyrene	NELAP	49.3	J	21	mg/Kg-dry	25	8/2/04 4:38:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		107	%REC	25	8/2/04 4:38:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		130	%REC	25	8/2/04 4:38:00 PM	SML
Surr: 2-Fluorophenol		27-111		96.2	%REC	25	8/2/04 4:38:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113	S	119	%REC	25	8/2/04 4:38:00 PM	SML
Surr: p-Terphenyl-d14		25-144		131	%REC	25	8/2/04 4:38:00 PM	SML
Surr: Phenol-d5		33.7-123		111	%REC	25	8/2/04 4:38:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
1,1,2-Trichloroethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
1,1-Dichloroethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
1,1-Dichloroethene	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
1,2-Dichloroethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
1,2-Dichloropropane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
2-Butanone	NELAP	77.7	J	31	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
2-Hexanone	NELAP	77.7		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
4-Methyl-2-pentanone	NELAP	77.7		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Acetone	NELAP	77.7		212	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Benzene	NELAP	1.6		5.8	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Bromodichloromethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Bromoform	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Bromomethane	NELAP	15.5		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Carbon disulfide	NELAP	7.8		11.1	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Carbon tetrachloride	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Chlorobenzene	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Chloroethane	NELAP	15.5		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Chloroform	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Chloromethane	NELAP	15.5		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	6.2		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Dibromochloromethane	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Ethylbenzene	NELAP	7.8		13.6	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Methyl tert-butyl ether	NELAP	3.1		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Methylene chloride	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-024
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-3 (2-3')
Collection Date: 7/20/04 4:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Tetrachloroethene	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Toluene	NELAP	7.8	J	3.8	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	6.2		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Trichloroethene	NELAP	7.8		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Vinyl chloride	NELAP	3.1		ND	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Xylenes, Total	NELAP	7.8		25.9	µg/Kg-dry	1	8/1/04 4:07:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	126	%REC	1	8/1/04 4:07:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	63.6	%REC	1	8/1/04 4:07:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121	S	126	%REC	1	8/1/04 4:07:00 AM	HLR
Surr: Toluene-d8		82.8-112.8	S	79.0	%REC	1	8/1/04 4:07:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.014		0.076	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		14		ND	mg/Kg-dry	1	7/30/04 3:13:00 PM	SML
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.70		9.82	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		5.26		1	7/27/04 3:15:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-025
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-9 (8-9')
Collection Date: 7/20/04 5:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		25.2	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		74.8	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.680		5.33	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Acenaphthylene	NELAP	0.680		0.791	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Anthracene	NELAP	0.680		2.63	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Benzo(a)anthracene	NELAP	0.680		1.57	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Benzo(a)pyrene	NELAP	0.680		1.83	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.680		1.39	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.680	J	0.41	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.680	J	0.41	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Chrysene	NELAP	0.680		1.58	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.680	J	0.16	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Fluoranthene	NELAP	0.680		2.60	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Fluorene	NELAP	0.680		4.35	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.680	J	0.37	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Naphthalene	NELAP	0.680		2.70	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Phenanthrene	NELAP	0.680		9.57	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Pyrene	NELAP	0.680		3.85	mg/Kg-dry	5	7/30/04 7:29:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		44.1	%REC	5	7/30/04 7:29:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		44.1	%REC	5	7/30/04 7:29:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		59.9	%REC	5	7/30/04 7:29:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	30.9		610	µg/Kg-dry	12.5	7/31/04 4:05:00 AM	HLR
Toluene	NELAP	154	J	55	µg/Kg-dry	12.5	7/31/04 4:05:00 AM	HLR
Ethylbenzene	NELAP	154		1260	µg/Kg-dry	12.5	7/31/04 4:05:00 AM	HLR
Xylenes, Total	NELAP	154		623	µg/Kg-dry	12.5	7/31/04 4:05:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		85.2	%REC	12.5	7/31/04 4:05:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		101	%REC	12.5	7/31/04 4:05:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		91.0	%REC	12.5	7/31/04 4:05:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		98.1	%REC	12.5	7/31/04 4:05:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-026
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-11 (10-11)
Collection Date: 7/20/04 5:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		23.7	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		76.3	%	1	7/27/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	63.9		1540 #	mg/Kg-dry	10	7/27/04 12:59:00 PM	DMH
Kerosene	NELAP	63.9		ND	mg/Kg-dry	10	7/27/04 12:59:00 PM	DMH
Mineral Spirits	NELAP	63.9		ND	mg/Kg-dry	10	7/27/04 12:59:00 PM	DMH
Motor Oil	NELAP	63.9		ND	mg/Kg-dry	10	7/27/04 12:59:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		97.7	%REC	10	7/27/04 12:59:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	13.0		35.6	mg/Kg-dry	100	7/30/04 8:08:00 PM	DMH
Acenaphthylene	NELAP	1.30		4.66	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Anthracene	NELAP	1.30		18.4	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Benzo(a)anthracene	NELAP	1.30		6.74	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Benzo(a)pyrene	NELAP	1.30		7.48	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.30		4.89	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.30		2.05	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.30		1.42	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Chrysene	NELAP	1.30		6.49	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.30	J	0.61	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Fluoranthene	NELAP	1.30		16.4	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Fluorene	NELAP	13.0		24.3	mg/Kg-dry	100	7/30/04 8:08:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.30		1.81	mg/Kg-dry	10	7/30/04 12:02:00 PM	DMH
Naphthalene	NELAP	13.0		35.4	mg/Kg-dry	100	7/30/04 8:08:00 PM	DMH
Phenanthrene	NELAP	13.0		49.0	mg/Kg-dry	100	7/30/04 8:08:00 PM	DMH
Pyrene	NELAP	13.0		20.0	mg/Kg-dry	100	7/30/04 8:08:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		65.9	%REC	10	7/30/04 12:02:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		53.9	%REC	10	7/30/04 12:02:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		73.7	%REC	10	7/30/04 12:02:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	108		1240	µg/Kg-dry	50	7/31/04 4:37:00 AM	HLR
Toluene	NELAP	542	J	150	µg/Kg-dry	50	7/31/04 4:37:00 AM	HLR
Ethylbenzene	NELAP	542		4020	µg/Kg-dry	50	7/31/04 4:37:00 AM	HLR
Xylenes, Total	NELAP	542		1930	µg/Kg-dry	50	7/31/04 4:37:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		87.0	%REC	50	7/31/04 4:37:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		103	%REC	50	7/31/04 4:37:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-026
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-11 (10-11')
Collection Date: 7/20/04 5:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		95.2	%REC	50	7/31/04 4:37:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.4	%REC	50	7/31/04 4:37:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-027
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-16 (15-16)
Collection Date: 7/20/04 5:50:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		12.1	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		87.9	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.111	J	0.050	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Acenaphthylene	NELAP	0.111	J	0.020	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Anthracene	NELAP	0.111	J	0.054	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Benzo(a)anthracene	NELAP	0.111	J	0.040	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Benzo(a)pyrene	NELAP	0.111	J	0.034	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.111	J	0.032	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.111	J	0.011	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Chrysene	NELAP	0.111	J	0.040	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Fluoranthene	NELAP	0.111	J	0.077	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Fluorene	NELAP	0.111	J	0.050	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Naphthalene	NELAP	0.111		0.258	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Phenanthrene	NELAP	0.111		0.170	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Pyrene	NELAP	0.111	J	0.10	mg/Kg-dry	1	7/29/04 2:40:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		61.8	%REC	1	7/29/04 2:40:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		50.0	%REC	1	7/29/04 2:40:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		74.2	%REC	1	7/29/04 2:40:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	89.0		5810	µg/Kg-dry	50	8/2/04 10:57:00 AM	HLR
Toluene	NELAP	111		798	µg/Kg-dry	12.5	8/1/04 1:44:00 PM	HLR
Ethylbenzene	NELAP	111		1440	µg/Kg-dry	12.5	8/1/04 1:44:00 PM	HLR
Xylenes, Total	NELAP	111		1430	µg/Kg-dry	12.5	8/1/04 1:44:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		93.7	%REC	12.5	8/1/04 1:44:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		99.1	%REC	12.5	8/1/04 1:44:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		95.5	%REC	12.5	8/1/04 1:44:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	12.5	8/1/04 1:44:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-028
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B550-28 (27-28)
Collection Date: 7/20/04 6:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.6	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.4	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Acenaphthylene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Anthracene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Benzo(a)anthracene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Benzo(a)pyrene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Chrysene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Fluoranthene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Fluorene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Naphthalene	NELAP	0.111	J	0.061	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Phenanthrene	NELAP	0.111	J	0.021	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Pyrene	NELAP	0.111		ND	mg/Kg-dry	1	7/29/04 3:19:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		64.5	%REC	1	7/29/04 3:19:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		53.8	%REC	1	7/29/04 3:19:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		81.7	%REC	1	7/29/04 3:19:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		1.1	µg/Kg-dry	1	8/1/04 2:16:00 PM	HLR
Toluene	NELAP	3.9	J	1.8	µg/Kg-dry	1	8/1/04 2:16:00 PM	HLR
Ethylbenzene	NELAP	3.9		ND	µg/Kg-dry	1	8/1/04 2:16:00 PM	HLR
Xylenes, Total	NELAP	3.9	J	1.4	µg/Kg-dry	1	8/1/04 2:16:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		99.0	%REC	1	8/1/04 2:16:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.0	%REC	1	8/1/04 2:16:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		99.7	%REC	1	8/1/04 2:16:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		98.2	%REC	1	8/1/04 2:16:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-029
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-3 (2-3')
Collection Date: 7/21/04 9:20:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		18.6	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		81.4	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		13.0	mg/Kg-dry	1	8/3/04 12:14:01 PM	JMW
Barium	NELAP	0.50		184	mg/Kg-dry	1	8/2/04 4:04:32 PM	SAM
Cadmium	NELAP	0.20		1.03	mg/Kg-dry	1	8/2/04 4:04:32 PM	SAM
Chromium	NELAP	1.00		18.3	mg/Kg-dry	1	8/2/04 5:14:17 PM	JMW
Lead	NELAP	4.00		164	mg/Kg-dry	1	8/2/04 4:04:32 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	8/2/04 4:04:32 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	8/2/04 4:04:32 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	1.18		ND	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Acenaphthylene	NELAP	1.18		1.18	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Anthracene	NELAP	1.18	J	0.33	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Benzo(a)anthracene	NELAP	1.18		1.47	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Benzo(a)pyrene	NELAP	1.18		3.31	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Benzo(b)fluoranthene	NELAP	1.18		3.46	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	1.18		1.65	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Benzo(k)fluoranthene	NELAP	1.18	J	1.0	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Chrysene	NELAP	1.18		2.02	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	1.18	J	0.41	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Fluoranthene	NELAP	1.18		2.03	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Fluorene	NELAP	1.18	J	0.12	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.18		1.40	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Naphthalene	NELAP	1.18	J	0.29	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Phenanthrene	NELAP	1.18	J	0.82	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Pyrene	NELAP	1.18		3.12	mg/Kg-dry	5	7/30/04 2:06:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		60.9	%REC	5	7/30/04 2:06:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		58.9	%REC	5	7/30/04 2:06:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		66.0	%REC	5	7/30/04 2:06:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.1		14.2	µg/Kg-dry	1	7/31/04 6:14:00 AM	HLR
Toluene	NELAP	5.4		11.2	µg/Kg-dry	1	7/31/04 6:14:00 AM	HLR
Ethylbenzene	NELAP	5.4	J	4.0	µg/Kg-dry	1	7/31/04 6:14:00 AM	HLR
Xylenes, Total	NELAP	5.4		11.2	µg/Kg-dry	1	7/31/04 6:14:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-029
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-3 (2-3')
Collection Date: 7/21/04 9:20:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122	S	67.3	%REC	1	7/31/04 6:14:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		85.7	%REC	1	7/31/04 6:14:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		87.9	%REC	1	7/31/04 6:14:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		93.0	%REC	1	7/31/04 6:14:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.252	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.59		2.74	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.69		1	7/27/04 3:18:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-030
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-8 (7-8')
Collection Date: 7/21/04 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		22.2	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		77.8	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.45		12.7	mg/Kg-dry	1	8/3/04 12:16:06 PM	JMW
Barium	NELAP	0.49		117	mg/Kg-dry	1	8/2/04 4:09:50 PM	SAM
Cadmium	NELAP	0.20	J	0.10	mg/Kg-dry	1	8/2/04 4:09:50 PM	SAM
Chromium	NELAP	0.98		16.8	mg/Kg-dry	1	8/2/04 5:23:14 PM	JMW
Lead	NELAP	3.92		13.8	mg/Kg-dry	1	8/2/04 4:09:50 PM	SAM
Selenium	NELAP	3.92		< 3.92	mg/Kg-dry	1	8/2/04 4:09:50 PM	SAM
Silver	NELAP	0.98		< 0.98	mg/Kg-dry	1	8/2/04 4:09:50 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
1,2-Dichlorobenzene	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
1,3-Dichlorobenzene	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
1,4-Dichlorobenzene	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2,4,5-Trichlorophenol	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2,4,6-Trichlorophenol	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2,4-Dichlorophenol	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2,4-Dimethylphenol	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2,4-Dinitrophenol	NELAP	6.43		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2,4-Dinitrotoluene	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2,6-Dinitrotoluene	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2-Chloronaphthalene	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2-Chlorophenol	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2-Methylnaphthalene	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2-Nitroaniline	NELAP	6.43		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
2-Nitrophenol	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
3-Nitroaniline	NELAP	6.43		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	6.43		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
4-Chloro-3-methylphenol	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
4-Chloroaniline	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
4-Nitroaniline	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-030
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-8 (7-8')
Collection Date: 7/21/04 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Acenaphthene	NELAP	2.25		9.76	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Acenaphthylene	NELAP	2.25		4.69	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Anthracene	NELAP	2.25		7.21	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Benzo(a)anthracene	NELAP	2.25		9.37	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Benzo(a)pyrene	NELAP	2.25		8.67	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Benzo(b)fluoranthene	NELAP	2.25		6.81	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Benzo(g,h,i)perylene	NELAP	2.25		2.85	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Benzo(k)fluoranthene	NELAP	2.25		2.54	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	2.93		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Butyl benzyl phthalate	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Carbazole		3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Chrysene	NELAP	2.25		8.96	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Di-n-butyl phthalate	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Di-n-octyl phthalate	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Dibenzofuran	NELAP	2.25	J	1.6	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Diethyl phthalate	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Dimethyl phthalate		2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Fluoranthene	NELAP	2.25		17.8	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Fluorene	NELAP	2.25		12.7	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Hexachlorobenzene	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Hexachlorobutadiene	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Hexachlorocyclopentadiene	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Hexachloroethane	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	2.25		2.36	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Isophorone	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
m,p-Cresol	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
N-Nitrosodiphenylamine	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Naphthalene	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Nitrobenzene	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
o-Cresol	NELAP	3.22		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Pentachlorophenol	NELAP	12.9		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-030
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-8 (7-8')
Collection Date: 7/21/04 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	4.50		37.4	mg/Kg-dry	10	8/10/04 1:36:00 PM	SML
Phenol	NELAP	2.25		ND	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Pyrene	NELAP	3.22		25.2	mg/Kg-dry	5	8/2/04 7:11:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		103	%REC	5	8/2/04 7:11:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		113	%REC	5	8/2/04 7:11:00 PM	SML
Surr: 2-Fluorophenol		27-111		97.7	%REC	5	8/2/04 7:11:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		100	%REC	5	8/2/04 7:11:00 PM	SML
Surr: p-Terphenyl-d14		25-144		114	%REC	5	8/2/04 7:11:00 PM	SML
Surr: Phenol-d5		33.7-123		113	%REC	5	8/2/04 7:11:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
1,1,2-Trichloroethane	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
1,1-Dichloroethane	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
1,1-Dichloroethene	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
1,2-Dichloroethane	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
1,2-Dichloropropane	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
2-Butanone	NELAP	51.6		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
2-Hexanone	NELAP	51.6		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
4-Methyl-2-pentanone	NELAP	51.6		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Acetone	NELAP	51.6	J	31	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Benzene	NELAP	1.0		4.6	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Bromodichloromethane	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Bromoform	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Bromomethane	NELAP	10.3		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Carbon disulfide	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Carbon tetrachloride	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Chlorobenzene	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Chloroethane	NELAP	10.3		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Chloroform	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Chloromethane	NELAP	10.3		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	4.1		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Dibromochloromethane	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Ethylbenzene	NELAP	5.2	J	3.8	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Methyl tert-butyl ether	NELAP	2.1		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Methylene chloride	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-030
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-8 (7-8')
Collection Date: 7/21/04 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Tetrachloroethene	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Toluene	NELAP	5.2	J	1.4	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	4.1		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Trichloroethene	NELAP	5.2		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Vinyl chloride	NELAP	2.1		ND	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Xylenes, Total	NELAP	5.2		12.0	µg/Kg-dry	1	8/1/04 4:38:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		104	%REC	1	8/1/04 4:38:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.1	%REC	1	8/1/04 4:38:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		101	%REC	1	8/1/04 4:38:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.8	%REC	1	8/1/04 4:38:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.028	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/30/04 3:29:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.33		1	7/27/04 3:19:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-031
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-8D (7-8')
Collection Date: 7/21/04 10:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		23.9	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		76.1	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		16.5	mg/Kg-dry	1	8/3/04 9:57:28 AM	JMW
Barium	NELAP	0.50		165	mg/Kg-dry	1	8/2/04 5:57:14 PM	SAM
Cadmium	NELAP	0.20		0.33	mg/Kg-dry	1	8/2/04 5:57:14 PM	SAM
Chromium	NELAP	1.00		20.0	mg/Kg-dry	1	8/2/04 5:38:17 PM	JMW
Lead	NELAP	4.00		19.1	mg/Kg-dry	1	8/2/04 5:57:14 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	8/2/04 5:57:14 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	8/2/04 5:57:14 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
1,2-Dichlorobenzene	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
1,3-Dichlorobenzene	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
1,4-Dichlorobenzene	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2,4,5-Trichlorophenol	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2,4,6-Trichlorophenol	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2,4-Dichlorophenol	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2,4-Dimethylphenol	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2,4-Dinitrophenol	NELAP	32.5		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2,4-Dinitrotoluene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2,6-Dinitrotoluene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2-Chloronaphthalene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2-Chlorophenol	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2-Methylnaphthalene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2-Nitroaniline	NELAP	32.5		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
2-Nitrophenol	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
3-Nitroaniline	NELAP	32.5		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	32.5		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
4-Chloro-3-methylphenol	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
4-Chloroaniline	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
4-Nitroaniline	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-031
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-8D (7-8')
Collection Date: 7/21/04 10:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Acenaphthene	NELAP	11.4	J	7.9	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Acenaphthylene	NELAP	11.4	J	4.6	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Anthracene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Benzo(a)anthracene	NELAP	11.4		11.7	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Benzo(a)pyrene	NELAP	11.4	J	11	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Benzo(b)fluoranthene	NELAP	11.4	J	8.3	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Benzo(g,h,i)perylene	NELAP	11.4	J	5.7	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Benzo(k)fluoranthene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	14.8		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Butyl benzyl phthalate	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Carbazole		16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Chrysene	NELAP	11.4	J	11	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Di-n-butyl phthalate	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Di-n-octyl phthalate	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Dibenzofuran	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Diethyl phthalate	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Dimethyl phthalate		11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Fluoranthene	NELAP	11.4		21.0	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Fluorene	NELAP	11.4	J	11	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Hexachlorobenzene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Hexachlorobutadiene	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Hexachlorocyclopentadiene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Hexachloroethane	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	11.4	J	4.1	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Isophorone	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
m,p-Cresol	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
N-Nitrosodiphenylamine	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Naphthalene	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Nitrobenzene	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
o-Cresol	NELAP	16.3		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Pentachlorophenol	NELAP	65.0		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-031
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-8D (7-8')
Collection Date: 7/21/04 10:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	11.4		39.8	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Phenol	NELAP	11.4		ND	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Pyrene	NELAP	16.3		30.0	mg/Kg-dry	25	8/2/04 5:16:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		90.1	%REC	25	8/2/04 5:16:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		109	%REC	25	8/2/04 5:16:00 PM	SML
Surr: 2-Fluorophenol		27-111		92.6	%REC	25	8/2/04 5:16:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		104	%REC	25	8/2/04 5:16:00 PM	SML
Surr: p-Terphenyl-d14		25-144		109	%REC	25	8/2/04 5:16:00 PM	SML
Surr: Phenol-d5		33.7-123		110	%REC	25	8/2/04 5:16:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
1,1,2-Trichloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
1,1-Dichloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
1,1-Dichloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
1,2-Dichloroethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
1,2-Dichloropropane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
2-Butanone	NELAP	48.0		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
2-Hexanone	NELAP	48.0		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
4-Methyl-2-pentanone	NELAP	48.0		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Acetone	NELAP	48.0	J	43	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Benzene	NELAP	1.0		4.7	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Bromodichloromethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Bromoform	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Bromomethane	NELAP	9.6		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Carbon disulfide	NELAP	4.8	J	4.7	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Carbon tetrachloride	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Chlorobenzene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Chloroethane	NELAP	9.6		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Chloroform	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Chloromethane	NELAP	9.6		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	3.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Dibromochloromethane	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Ethylbenzene	NELAP	4.8	J	3.5	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Methyl tert-butyl ether	NELAP	1.9		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Methylene chloride	NELAP	4.8	J	1.7	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-031
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-8D (7-8')
Collection Date: 7/21/04 10:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	4.8	J	1.4	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Tetrachloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Toluene	NELAP	4.8		6.9	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	3.8		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Trichloroethene	NELAP	4.8	J	1.0	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Vinyl chloride	NELAP	1.9		ND	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Xylenes, Total	NELAP	4.8		13.8	µg/Kg-dry	1	8/1/04 5:09:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		106	%REC	1	8/1/04 5:09:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		86.2	%REC	1	8/1/04 5:09:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		107	%REC	1	8/1/04 5:09:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		95.6	%REC	1	8/1/04 5:09:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.041	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/30/04 3:45:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.12		1	7/27/04 3:21:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-032
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-18 (17-18)
Collection Date: 7/21/04 11:10:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.3	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.7	%	1	7/27/04	JRS
SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	5.44		ND	mg/Kg-dry	1	7/26/04 5:58:00 PM	DMH
Kerosene	NELAP	5.44		8.58 #	mg/Kg-dry	1	7/26/04 5:58:00 PM	DMH
Mineral Spirits	NELAP	5.44		ND	mg/Kg-dry	1	7/26/04 5:58:00 PM	DMH
Motor Oil	NELAP	5.44		ND	mg/Kg-dry	1	7/26/04 5:58:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		101	%REC	1	7/26/04 5:58:00 PM	DMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.113	J	0.086	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Acenaphthylene	NELAP	0.113		0.263	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Anthracene	NELAP	0.113	J	0.091	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Benzo(a)anthracene	NELAP	0.113	J	0.066	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Benzo(a)pyrene	NELAP	0.113	J	0.074	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.113	J	0.053	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.113	J	0.036	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.113	J	0.016	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Chrysene	NELAP	0.113	J	0.066	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Fluoranthene	NELAP	0.113		0.125	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Fluorene	NELAP	0.113		0.113	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.113	J	0.027	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Naphthalene	NELAP	1.13		7.94	mg/Kg-dry	10	7/30/04 1:59:00 PM	DMH
Phenanthrene	NELAP	0.113		0.298	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Pyrene	NELAP	0.113		0.194	mg/Kg-dry	1	7/29/04 10:44:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		69.8	%REC	1	7/29/04 10:44:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		59.8	%REC	1	7/29/04 10:44:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		78.8	%REC	1	7/29/04 10:44:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	322		6250	µg/Kg-dry	250	8/1/04 2:47:00 PM	HLR
Toluene	NELAP	1610	J	550	µg/Kg-dry	250	8/1/04 2:47:00 PM	HLR
Ethylbenzene	NELAP	1610		11400	µg/Kg-dry	250	8/1/04 2:47:00 PM	HLR
Xylenes, Total	NELAP	1610		6630	µg/Kg-dry	250	8/1/04 2:47:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		95.7	%REC	250	8/1/04 2:47:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		101	%REC	250	8/1/04 2:47:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-032
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-18 (17-18')
Collection Date: 7/21/04 11:10:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		98.1	%REC	250	8/1/04 2:47:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		99.4	%REC	250	8/1/04 2:47:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-033
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B509-28 (27-28)
Collection Date: 7/21/04 11:35:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.7	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.3	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.112	J	0.022	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Acenaphthylene	NELAP	0.112	J	0.11	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Anthracene	NELAP	0.112	J	0.098	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Benzo(a)anthracene	NELAP	0.112	J	0.072	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Benzo(a)pyrene	NELAP	0.112	J	0.079	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.112	J	0.058	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.112	J	0.039	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.112	J	0.017	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Chrysene	NELAP	0.112	J	0.072	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Fluoranthene	NELAP	0.112		0.142	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Fluorene	NELAP	0.112	J	0.090	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.112	J	0.028	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Naphthalene	NELAP	0.112		0.466	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Phenanthrene	NELAP	0.112		0.311	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Pyrene	NELAP	0.112		0.223	mg/Kg-dry	1	7/29/04 10:05:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		64.0	%REC	1	7/29/04 10:05:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		54.8	%REC	1	7/29/04 10:05:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		72.6	%REC	1	7/29/04 10:05:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8	J	0.7	µg/Kg-dry	1	8/1/04 3:19:00 PM	HLR
Toluene	NELAP	4.0	J	2.0	µg/Kg-dry	1	8/1/04 3:19:00 PM	HLR
Ethylbenzene	NELAP	4.0		ND	µg/Kg-dry	1	8/1/04 3:19:00 PM	HLR
Xylenes, Total	NELAP	4.0	J	2.7	µg/Kg-dry	1	8/1/04 3:19:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		98.3	%REC	1	8/1/04 3:19:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		97.5	%REC	1	8/1/04 3:19:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		99.3	%REC	1	8/1/04 3:19:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		98.8	%REC	1	8/1/04 3:19:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-034
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B507-1 (0-1')
Collection Date: 7/21/04 1:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		14.5	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		85.5	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		10.1	mg/Kg-dry	1	8/3/04 10:42:59 AM	JMW
Barium	NELAP	0.48		141	mg/Kg-dry	1	8/2/04 6:12:22 PM	SAM
Cadmium	NELAP	0.19		0.22	mg/Kg-dry	1	8/2/04 6:12:22 PM	SAM
Chromium	NELAP	0.96		16.0	mg/Kg-dry	1	8/2/04 5:47:15 PM	JMW
Lead	NELAP	3.85		60.8	mg/Kg-dry	1	8/2/04 6:12:22 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	8/2/04 6:12:22 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	8/2/04 6:12:22 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.343	J	0.11	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Acenaphthylene	NELAP	0.343		1.05	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Anthracene	NELAP	0.343		0.512	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Benzo(a)anthracene	NELAP	0.343		0.951	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Benzo(a)pyrene	NELAP	0.343		1.97	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.343		1.73	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.343		0.651	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.343		0.528	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Chrysene	NELAP	0.343		1.09	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.343	J	0.17	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Fluoranthene	NELAP	0.343		1.49	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Fluorene	NELAP	0.343	J	0.25	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.343		0.611	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Naphthalene	NELAP	0.343		0.599	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Phenanthrene	NELAP	0.343		1.76	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Pyrene	NELAP	0.343		2.33	mg/Kg-dry	1	7/30/04 4:41:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		70.3	%REC	1	7/30/04 4:41:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		67.4	%REC	1	7/30/04 4:41:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		79.1	%REC	1	7/30/04 4:41:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.0		5.0	µg/Kg-dry	1	8/1/04 3:51:00 PM	HLR
Toluene	NELAP	4.8	J	3.9	µg/Kg-dry	1	8/1/04 3:51:00 PM	HLR
Ethylbenzene	NELAP	4.8	J	1.1	µg/Kg-dry	1	8/1/04 3:51:00 PM	HLR
Xylenes, Total	NELAP	4.8	J	3.2	µg/Kg-dry	1	8/1/04 3:51:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-034
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B507-1 (0-1')
Collection Date: 7/21/04 1:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		94.6	%REC	1	8/1/04 3:51:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		91.9	%REC	1	8/1/04 3:51:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		99.8	%REC	1	8/1/04 3:51:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		97.9	%REC	1	8/1/04 3:51:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.010		0.084	mg/Kg-dry	1	7/27/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.55		2.15	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.62		1	7/27/04 3:23:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-035
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B507-8 (7-8')
Collection Date: 7/21/04 2:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		21.7	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.3	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	32.1		52.9	mg/Kg-dry	250	7/30/04 10:42:00 PM	DMH
Acenaphthylene	NELAP	1.29		3.58	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Anthracene	NELAP	24.1		24.2	mg/Kg-dry	250	7/30/04 10:42:00 PM	DMH
Benzo(a)anthracene	NELAP	1.29		9.46	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Benzo(a)pyrene	NELAP	1.29		11.6	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.29		7.86	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.29		2.41	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.29		2.32	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Chrysene	NELAP	1.29		8.79	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.29	J	0.72	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Fluoranthene	NELAP	24.1		26.5	mg/Kg-dry	250	7/30/04 10:42:00 PM	DMH
Fluorene	NELAP	32.1		34.6	mg/Kg-dry	250	7/30/04 10:42:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.29		2.31	mg/Kg-dry	10	7/30/04 2:38:00 PM	DMH
Naphthalene	NELAP	32.1		171	mg/Kg-dry	250	7/30/04 10:42:00 PM	DMH
Phenanthrene	NELAP	32.1		77.2	mg/Kg-dry	250	7/30/04 10:42:00 PM	DMH
Pyrene	NELAP	32.1		37.0	mg/Kg-dry	250	7/30/04 10:42:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		65.6	%REC	10	7/30/04 2:38:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		46.0	%REC	10	7/30/04 2:38:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		69.8	%REC	10	7/30/04 2:38:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	274		3510	µg/Kg-dry	125	8/1/04 4:23:00 PM	HLR
Toluene	NELAP	1370	J	280	µg/Kg-dry	125	8/1/04 4:23:00 PM	HLR
Ethylbenzene	NELAP	1370		22200	µg/Kg-dry	125	8/1/04 4:23:00 PM	HLR
Xylenes, Total	NELAP	1370		16600	µg/Kg-dry	125	8/1/04 4:23:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		92.8	%REC	125	8/1/04 4:23:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		101	%REC	125	8/1/04 4:23:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		97.8	%REC	125	8/1/04 4:23:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	125	8/1/04 4:23:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-036
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B507-19 (18-19)
Collection Date: 7/21/04 3:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		18.0	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		82.0	%	1	7/27/04	JRS
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.36		< 2.36	mg/Kg-dry	1	8/3/04 11:06:19 AM	JMW
Barium	NELAP	0.47		4.88	mg/Kg-dry	1	8/2/04 6:17:39 PM	SAM
Cadmium	NELAP	0.19		< 0.19	mg/Kg-dry	1	8/2/04 6:17:39 PM	SAM
Chromium	NELAP	0.94		2.49	mg/Kg-dry	1	8/2/04 5:56:21 PM	JMW
Lead	NELAP	3.77	J	3.2	mg/Kg-dry	1	8/2/04 6:17:39 PM	SAM
Selenium	NELAP	3.77		< 3.77	mg/Kg-dry	1	8/2/04 6:17:39 PM	SAM
Silver	NELAP	0.94		< 0.94	mg/Kg-dry	1	8/2/04 6:17:39 PM	SAM
SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	3620		23200 #	mg/Kg-dry	100	7/28/04 10:24:00 AM	DMH
Kerosene	NELAP	3620		ND	mg/Kg-dry	100	7/28/04 10:24:00 AM	DMH
Mineral Spirits	NELAP	3620		ND	mg/Kg-dry	100	7/28/04 10:24:00 AM	DMH
Motor Oil	NELAP	3620		ND	mg/Kg-dry	100	7/28/04 10:24:00 AM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	100	7/28/04 10:24:00 AM	DMH
SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,2,4-Trichlorobenzene	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
1,2-Dichlorobenzene	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
1,3-Dichlorobenzene	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
1,4-Dichlorobenzene	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2,4,5-Trichlorophenol	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2,4,6-Trichlorophenol	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2,4-Dichlorophenol	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2,4-Dimethylphenol	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2,4-Dinitrophenol	NELAP	155		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2,4-Dinitrotoluene	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2,6-Dinitrotoluene	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2-Chloronaphthalene	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2-Chlorophenol	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2-Methylnaphthalene	NELAP	217		1440	mg/Kg-dry	100	8/10/04 2:14:00 PM	SML
2-Nitroaniline	NELAP	155		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
2-Nitrophenol	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
3-Nitroaniline	NELAP	155		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-036
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B507-19 (18-19)
Collection Date: 7/21/04 3:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4,6-Dinitro-2-methylphenol	NELAP	155		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
4-Chloro-3-methylphenol	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
4-Chloroaniline	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
4-Nitroaniline	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
4-Nitrophenol	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Acenaphthene	NELAP	54.3		115	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Acenaphthylene	NELAP	217		697	mg/Kg-dry	100	8/10/04 2:14:00 PM	SML
Anthracene	NELAP	54.3		406	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Benzo(a)anthracene	NELAP	54.3		257	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Benzo(a)pyrene	NELAP	54.3		237	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Benzo(b)fluoranthene	NELAP	54.3		170	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Benzo(g,h,i)perylene	NELAP	54.3		80.0	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Benzo(k)fluoranthene	NELAP	54.3		69.6	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	70.7		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Butyl benzyl phthalate	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Carbazole		77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Chrysene	NELAP	54.3		239	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Di-n-butyl phthalate	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Di-n-octyl phthalate	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Dibenzofuran	NELAP	54.3		86.2	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Diethyl phthalate	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Dimethyl phthalate		54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Fluoranthene	NELAP	54.3		485	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Fluorene	NELAP	54.3		547	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Hexachlorobenzene	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Hexachlorobutadiene	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Hexachlorocyclopentadiene	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Hexachloroethane	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	54.3		64.0	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Isophorone	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
m,p-Cresol	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-036
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B507-19 (18-19)
Collection Date: 7/21/04 3:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
N-Nitroso-di-n-propylamine	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
N-Nitrosodiphenylamine	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Naphthalene	NELAP	543		4620	mg/Kg-dry	250	8/10/04 2:52:00 PM	SML
Nitrobenzene	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
o-Cresol	NELAP	77.5		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Pentachlorophenol	NELAP	310		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Phenanthrene	NELAP	217		935	mg/Kg-dry	100	8/10/04 2:14:00 PM	SML
Phenol	NELAP	54.3		ND	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Pyrene	NELAP	77.5		713	mg/Kg-dry	25	8/2/04 6:33:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		67.0	%REC	25	8/2/04 6:33:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		113	%REC	25	8/2/04 6:33:00 PM	SML
Surr: 2-Fluorophenol		27-111		76.2	%REC	25	8/2/04 6:33:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		97.1	%REC	25	8/2/04 6:33:00 PM	SML
Surr: p-Terphenyl-d14		25-144		97.1	%REC	25	8/2/04 6:33:00 PM	SML
Surr: Phenol-d5		33.7-123		95.1	%REC	25	8/2/04 6:33:00 PM	SML
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1-Trichloroethane	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
1,1,2-Trichloroethane	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
1,1-Dichloroethane	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
1,1-Dichloroethene	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
1,2-Dichloroethane	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
1,2-Dichloropropane	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
2-Butanone	NELAP	52200		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
2-Hexanone	NELAP	52200		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
4-Methyl-2-pentanone	NELAP	52200		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Acetone	NELAP	52200	J	20000	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Benzene	NELAP	10400		659000	µg/Kg-dry	5000	8/1/04 9:19:00 AM	HLR
Bromodichloromethane	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Bromoform	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Bromomethane	NELAP	10400		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Carbon disulfide	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Carbon tetrachloride	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Chlorobenzene	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Chloroethane	NELAP	10400		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Chloroform	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Chloromethane	NELAP	10400		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-036
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B507-19 (18-19)
Collection Date: 7/21/04 3:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
cis-1,2-Dichloroethene	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	4180		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Dibromochloromethane	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Ethylbenzene	NELAP	5220		141000	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Methyl tert-butyl ether	NELAP	2090		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Methylene chloride	NELAP	5220	J	1300	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Styrene	NELAP	52200		938000	µg/Kg-dry	5000	8/1/04 9:19:00 AM	HLR
Tetrachloroethene	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Toluene	NELAP	52200		1540000	µg/Kg-dry	5000	8/1/04 9:19:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	4180		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Trichloroethene	NELAP	5220		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Vinyl chloride	NELAP	2090		ND	µg/Kg-dry	500	8/1/04 5:41:00 AM	HLR
Xylenes, Total	NELAP	52200		1300000	µg/Kg-dry	5000	8/1/04 9:19:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		98.1	%REC	500	8/1/04 5:41:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.5	%REC	500	8/1/04 5:41:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		101	%REC	500	8/1/04 5:41:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		103	%REC	500	8/1/04 5:41:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		< 0.012	mg/Kg-dry	1	8/2/04	JMW
<u>SW-846 8015. MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		12		15	mg/Kg-dry	1	7/30/04 4:49:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.92		1	7/27/04 4:24:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-037
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B507-28 (27-28')
Collection Date: 7/21/04 5:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.6	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		90.4	%	1	7/27/04	JRS
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	0.8		6.1	µg/Kg-dry	1	8/1/04 4:54:00 PM	HLR
Toluene	NELAP	4.2		14.3	µg/Kg-dry	1	8/1/04 4:54:00 PM	HLR
Ethylbenzene	NELAP	4.2	J	3.4	µg/Kg-dry	1	8/1/04 4:54:00 PM	HLR
Xylenes, Total	NELAP	4.2		9.1	µg/Kg-dry	1	8/1/04 4:54:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		100	%REC	1	8/1/04 4:54:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		83.5	%REC	1	8/1/04 4:54:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		103	%REC	1	8/1/04 4:54:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		92.9	%REC	1	8/1/04 4:54:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-038
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B502-24 (23-24)
Collection Date: 7/21/04 7:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.1	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.9	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Acenaphthylene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Benzo(a)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Benzo(a)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Benzo(b)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Benzo(k)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Chrysene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Fluorene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Naphthalene	NELAP	0.113	J	0.026	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Phenanthrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 11:22:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		68.1	%REC	1	7/29/04 11:22:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		63.3	%REC	1	7/29/04 11:22:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		77.7	%REC	1	7/29/04 11:22:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	19.2		423	µg/Kg-dry	12.5	8/2/04 11:29:00 AM	HLR
Toluene	NELAP	95.9		ND	µg/Kg-dry	12.5	8/2/04 11:29:00 AM	HLR
Ethylbenzene	NELAP	95.9		ND	µg/Kg-dry	12.5	8/2/04 11:29:00 AM	HLR
Xylenes, Total	NELAP	95.9		ND	µg/Kg-dry	12.5	8/2/04 11:29:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		93.4	%REC	12.5	8/2/04 11:29:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		100	%REC	12.5	8/2/04 11:29:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		94.9	%REC	12.5	8/2/04 11:29:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	12.5	8/2/04 11:29:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-039
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B506-3 (2-3')
Collection Date: 7/22/04 8:33:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.2	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.8	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		14.7	mg/Kg-dry	1	8/3/04 10:29:02 AM	JMW
Barium	NELAP	0.48		113	mg/Kg-dry	1	8/2/04 6:33:35 PM	SAM
Cadmium	NELAP	0.19	J	0.14	mg/Kg-dry	1	8/2/04 6:33:35 PM	SAM
Chromium	NELAP	0.96		15.7	mg/Kg-dry	1	8/2/04 6:05:20 PM	JMW
Lead	NELAP	3.85		177	mg/Kg-dry	1	8/2/04 6:33:35 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	8/2/04 6:33:35 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	8/2/04 6:33:35 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	3.86	J	1.3	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Acenaphthylene	NELAP	3.86		18.3	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Anthracene	NELAP	3.86		4.54	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Benzo(a)anthracene	NELAP	3.86		17.6	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Benzo(a)pyrene	NELAP	3.86		49.1	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Benzo(b)fluoranthene	NELAP	3.86		55.5	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	3.86		17.1	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Benzo(k)fluoranthene	NELAP	3.86		16.5	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Chrysene	NELAP	3.86		23.1	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	3.86		5.15	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Fluoranthene	NELAP	3.86		18.0	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Fluorene	NELAP	3.86	J	2.8	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	3.86		16.7	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Naphthalene	NELAP	3.86		11.4	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Phenanthrene	NELAP	3.86		10.2	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Pyrene	NELAP	3.86		30.2	mg/Kg-dry	10	7/30/04 1:27:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		77.8	%REC	10	7/30/04 1:27:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		67.9	%REC	10	7/30/04 1:27:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		87.9	%REC	10	7/30/04 1:27:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	34.9		3820	µg/Kg-dry	12.5	8/1/04 5:57:00 PM	HLR
Toluene	NELAP	174		3320	µg/Kg-dry	12.5	8/1/04 5:57:00 PM	HLR
Ethylbenzene	NELAP	174		1390	µg/Kg-dry	12.5	8/1/04 5:57:00 PM	HLR
Xylenes, Total	NELAP	174		5480	µg/Kg-dry	12.5	8/1/04 5:57:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-039
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B506-3 (2-3')
Collection Date: 7/22/04 8:33:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		94.3	%REC	12.5	8/1/04 5:57:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		99.4	%REC	12.5	8/1/04 5:57:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		97.1	%REC	12.5	8/1/04 5:57:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	12.5	8/1/04 5:57:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.023		0.695	mg/Kg-dry	2	8/2/04	JMW
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.62		2.31	mg/kg-dry	1	8/2/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.37		1	7/27/04 3:24:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-040
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B506-7 (6-7')
Collection Date: 7/22/04 9:10:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		22.9	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		77.1	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	13.2		169	mg/Kg-dry	100	7/30/04 11:19:00 PM	DMH
Acenaphthylene	NELAP	1.32		12.3	mg/Kg-dry	10	7/29/04 10:11:00 PM	DMH
Anthracene	NELAP	13.2		71.2	mg/Kg-dry	100	7/30/04 11:19:00 PM	DMH
Benzo(a)anthracene	NELAP	13.2		32.6	mg/Kg-dry	100	7/30/04 11:19:00 PM	DMH
Benzo(a)pyrene	NELAP	13.2		35.2	mg/Kg-dry	100	7/30/04 11:19:00 PM	DMH
Benzo(b)fluoranthene	NELAP	13.2		29.0	mg/Kg-dry	100	7/30/04 11:19:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.32		7.19	mg/Kg-dry	10	7/29/04 10:11:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.32		7.42	mg/Kg-dry	10	7/29/04 10:11:00 PM	DMH
Chrysene	NELAP	13.2		33.0	mg/Kg-dry	100	7/30/04 11:19:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.32		2.30	mg/Kg-dry	10	7/29/04 10:11:00 PM	DMH
Fluoranthene	NELAP	13.2		78.4	mg/Kg-dry	100	7/30/04 11:19:00 PM	DMH
Fluorene	NELAP	13.2		90.5	mg/Kg-dry	100	7/30/04 11:19:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.32		6.03	mg/Kg-dry	10	7/29/04 10:11:00 PM	DMH
Naphthalene	NELAP	65.8		794	mg/Kg-dry	500	8/2/04 11:46:00 AM	DMH
Phenanthrene	NELAP	32.9		247	mg/Kg-dry	250	7/30/04 11:57:00 PM	DMH
Pyrene	NELAP	32.9		114	mg/Kg-dry	250	7/30/04 11:57:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		71.8	%REC	10	7/29/04 10:11:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		71.8	%REC	10	7/29/04 10:11:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		80.0	%REC	10	7/29/04 10:11:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	267		11200	µg/Kg-dry	125	8/1/04 6:29:00 PM	HLR
Toluene	NELAP	1340	J	740	µg/Kg-dry	125	8/1/04 6:29:00 PM	HLR
Ethylbenzene	NELAP	1340		46200	µg/Kg-dry	125	8/1/04 6:29:00 PM	HLR
Xylenes, Total	NELAP	1340		33700	µg/Kg-dry	125	8/1/04 6:29:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		91.8	%REC	125	8/1/04 6:29:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		101	%REC	125	8/1/04 6:29:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		98.5	%REC	125	8/1/04 6:29:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	125	8/1/04 6:29:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-041
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B506-17 (16-17)
Collection Date: 7/22/04 10:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		9.9	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		90.1	%	1	7/27/04	JRS
SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	554		12900 #	mg/Kg-dry	100	7/28/04 10:52:00 AM	DMH
Kerosene	NELAP	554		ND	mg/Kg-dry	100	7/28/04 10:52:00 AM	DMH
Mineral Spirits	NELAP	554		ND	mg/Kg-dry	100	7/28/04 10:52:00 AM	DMH
Motor Oil	NELAP	554		ND	mg/Kg-dry	100	7/28/04 10:52:00 AM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	100	7/28/04 10:52:00 AM	DMH
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	31.8		54.6	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Acenaphthylene	NELAP	31.8		389	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Anthracene	NELAP	31.8		155	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Benzo(a)anthracene	NELAP	31.8		79.0	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Benzo(a)pyrene	NELAP	31.8		92.0	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Benzo(b)fluoranthene	NELAP	31.8		72.6	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	3.18		17.7	mg/Kg-dry	10	7/29/04 10:51:00 PM	DMH
Benzo(k)fluoranthene	NELAP	3.18		21.8	mg/Kg-dry	10	7/29/04 10:51:00 PM	DMH
Chrysene	NELAP	31.8		72.5	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	3.18		5.64	mg/Kg-dry	10	7/29/04 10:51:00 PM	DMH
Fluoranthene	NELAP	31.8		168	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Fluorene	NELAP	31.8		204	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	3.18		17.3	mg/Kg-dry	10	7/29/04 10:51:00 PM	DMH
Naphthalene	NELAP	318		2160	mg/Kg-dry	1000	7/31/04 12:35:00 AM	DMH
Phenanthrene	NELAP	318		613	mg/Kg-dry	1000	7/31/04 12:35:00 AM	DMH
Pyrene	NELAP	31.8		244	mg/Kg-dry	100	7/30/04 4:03:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		39.9	%REC	10	7/29/04 10:51:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		29.9	%REC	10	7/29/04 10:51:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		97.7	%REC	10	7/29/04 10:51:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	7640		444000	µg/Kg-dry	5000	8/2/04 12:00:00 PM	HLR
Toluene	NELAP	38200		676000	µg/Kg-dry	5000	8/2/04 12:00:00 PM	HLR
Ethylbenzene	NELAP	38200		122000	µg/Kg-dry	5000	8/2/04 12:00:00 PM	HLR
Xylenes, Total	NELAP	38200		549000	µg/Kg-dry	5000	8/2/04 12:00:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		95.5	%REC	5000	8/2/04 12:00:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		101	%REC	5000	8/2/04 12:00:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental

WorkOrder: 04070635

Lab ID: 04070635-041

Report Date: 11-Aug-04

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

Client Sample ID: B506-17 (16-17')

Collection Date: 7/22/04 10:00:00 AM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		99.2	%REC	5000	8/2/04 12:00:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	5000	8/2/04 12:00:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-042
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B506-28 (27-28)
Collection Date: 7/22/04 10:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.1	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		90.9	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		4.57	mg/Kg-dry	1	8/3/04 11:11:59 AM	JMW
Barium	NELAP	0.50		20.1	mg/Kg-dry	1	8/2/04 6:49:05 PM	SAM
Cadmium	NELAP	0.20		< 0.20	mg/Kg-dry	1	8/2/04 6:49:05 PM	SAM
Chromium	NELAP	1.00		11.5	mg/Kg-dry	1	8/2/04 6:08:19 PM	JMW
Lead	NELAP	4.00		9.98	mg/Kg-dry	1	8/2/04 6:49:05 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	8/2/04 6:49:05 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	8/2/04 6:49:05 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
1,2-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
1,3-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
1,4-Dichlorobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2,4,5-Trichlorophenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2,4,6-Trichlorophenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2,4-Dichlorophenol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2,4-Dimethylphenol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2,4-Dinitrophenol	NELAP	1.11		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2,4-Dinitrotoluene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2,6-Dinitrotoluene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2-Chloronaphthalene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2-Chlorophenol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2-Methylnaphthalene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
2-Nitrophenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
3-Nitroaniline	NELAP	1.11		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	1.11		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
4-Chloro-3-methylphenol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
4-Chloroaniline	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
4-Nitroaniline	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-042
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B506-28 (27-28)
Collection Date: 7/22/04 10:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Acenaphthene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Acenaphthylene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Anthracene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Benzo(a)anthracene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Benzo(a)pyrene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Benzo(b)fluoranthene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Benzo(g,h,i)perylene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Benzo(k)fluoranthene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	0.505		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Butyl benzyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Carbazole		0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Chrysene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Di-n-butyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Di-n-octyl phthalate	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Dibenzofuran	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Diethyl phthalate	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Dimethyl phthalate		0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Fluoranthene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Fluorene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Hexachlorobenzene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Hexachlorobutadiene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Hexachlorocyclopentadiene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Hexachloroethane	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Isophorone	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
m,p-Cresol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
N-Nitrosodiphenylamine	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Naphthalene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Nitrobenzene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
o-Cresol	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Pentachlorophenol	NELAP	2.21		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-042
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B506-28 (27-28)
Collection Date: 7/22/04 10:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Phenol	NELAP	0.387		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Pyrene	NELAP	0.553		ND	mg/Kg-dry	1	7/30/04 5:36:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		79.1	%REC	1	7/30/04 5:36:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		82.2	%REC	1	7/30/04 5:36:00 PM	SML
Surr: 2-Fluorophenol		27-111		77.5	%REC	1	7/30/04 5:36:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		78.9	%REC	1	7/30/04 5:36:00 PM	SML
Surr: p-Terphenyl-d14		25-144		86.5	%REC	1	7/30/04 5:36:00 PM	SML
Surr: Phenol-d5		33.7-123		88.1	%REC	1	7/30/04 5:36:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
1,1,2-Trichloroethane	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
1,1-Dichloroethane	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
1,1-Dichloroethene	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
1,2-Dichloroethane	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
1,2-Dichloropropane	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
2-Butanone	NELAP	46.1		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
2-Hexanone	NELAP	46.1		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
4-Methyl-2-pentanone	NELAP	46.1		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Acetone	NELAP	46.1		57.5	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Benzene	NELAP	0.9		2.3	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Bromodichloromethane	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Bromoform	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Bromomethane	NELAP	9.2		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Carbon disulfide	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Carbon tetrachloride	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Chlorobenzene	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Chloroethane	NELAP	9.2		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Chloroform	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Chloromethane	NELAP	9.2		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	3.7		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Dibromochloromethane	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Ethylbenzene	NELAP	4.6	J	1.3	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Methyl tert-butyl ether	NELAP	1.8		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Methylene chloride	NELAP	4.6	J	1.6	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-042
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B506-28 (27-28)
Collection Date: 7/22/04 10:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Tetrachloroethene	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Toluene	NELAP	4.6	J	3.6	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	3.7		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Trichloroethene	NELAP	4.6		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Vinyl chloride	NELAP	1.8		ND	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Xylenes, Total	NELAP	4.6	J	4.0	µg/Kg-dry	1	8/1/04 6:12:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		108	%REC	1	8/1/04 6:12:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	74.2	%REC	1	8/1/04 6:12:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		108	%REC	1	8/1/04 6:12:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		87.9	%REC	1	8/1/04 6:12:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.010	J	0.008	mg/Kg-dry	1	8/2/04	JMW
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/30/04 4:01:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		8.16		1	7/27/04 3:26:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-043
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B516-3 (2-3')
Collection Date: 7/22/04 11:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.4	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.6	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		28.7	mg/Kg-dry	1	8/3/04 11:13:56 AM	JMW
Barium	NELAP	1.00		134	mg/Kg-dry	2	8/3/04 9:58:58 AM	SAM
Cadmium	NELAP	0.40		1.36	mg/Kg-dry	2	8/3/04 9:58:58 AM	SAM
Chromium	NELAP	1.00		40.3	mg/Kg-dry	1	8/2/04 6:11:26 PM	JMW
Lead	NELAP	8.00		165	mg/Kg-dry	2	8/3/04 9:58:58 AM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	8/2/04 6:54:24 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	8/2/04 6:54:24 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	18.1		ND	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Acenaphthylene	NELAP	18.1		40.1	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Anthracene	NELAP	18.1	J	9.7	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Benzo(a)anthracene	NELAP	18.1		42.2	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Benzo(a)pyrene	NELAP	18.1		119	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Benzo(b)fluoranthene	NELAP	18.1		130	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	18.1		50.4	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Benzo(k)fluoranthene	NELAP	18.1		36.4	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Chrysene	NELAP	18.1		62.3	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	18.1	J	14	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Fluoranthene	NELAP	18.1		27.2	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Fluorene	NELAP	18.1	J	4.0	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	18.1		46.9	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Naphthalene	NELAP	18.1	J	10	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Phenanthrene	NELAP	18.1	J	8.7	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Pyrene	NELAP	18.1		66.7	mg/Kg-dry	10	7/29/04 11:30:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	10	7/29/04 11:30:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	10	7/29/04 11:30:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	10	7/29/04 11:30:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.2		5.1	µg/Kg-dry	1	8/2/04 12:35:00 PM	HLR
Toluene	NELAP	6.0	J	4.5	µg/Kg-dry	1	8/2/04 12:35:00 PM	HLR
Ethylbenzene	NELAP	6.0	J	5.4	µg/Kg-dry	1	8/2/04 12:35:00 PM	HLR
Xylenes, Total	NELAP	6.0		6.5	µg/Kg-dry	1	8/2/04 12:35:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-043
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B516-3 (2-3')
Collection Date: 7/22/04 11:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		101	%REC	1	8/2/04 12:35:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.1	%REC	1	8/2/04 12:35:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		101	%REC	1	8/2/04 12:35:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		98.5	%REC	1	8/2/04 12:35:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.491	mg/Kg-dry	1	8/2/04	JMW
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	3.14		41.6	mg/kg-dry	1	8/4/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.53		1	7/27/04 3:27:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-044
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B516-5 (4-5)
Collection Date: 7/22/04 12:02:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		20.9	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		79.1	%	1	7/27/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	634		5410	mg/Kg-dry	100	7/28/04 11:21:00 AM	DMH
Kerosene	NELAP	634		ND	mg/Kg-dry	100	7/28/04 11:21:00 AM	DMH
Mineral Spirits	NELAP	634		ND	mg/Kg-dry	100	7/28/04 11:21:00 AM	DMH
Motor Oil	NELAP	634		ND	mg/Kg-dry	100	7/28/04 11:21:00 AM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	100	7/28/04 11:21:00 AM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	1.95		7.50	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Acenaphthylene	NELAP	1.95		4.97	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Anthracene	NELAP	1.95		3.75	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Benzo(a)anthracene	NELAP	1.95		7.19	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Benzo(a)pyrene	NELAP	1.95		15.5	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Benzo(b)fluoranthene	NELAP	1.95		13.3	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	1.95		4.98	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Benzo(k)fluoranthene	NELAP	1.95		4.25	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Chrysene	NELAP	1.95		8.45	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	1.95	J	1.3	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Fluoranthene	NELAP	1.95		7.63	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Fluorene	NELAP	1.95		5.51	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.95		4.47	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Naphthalene	NELAP	1.95		23.9	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Phenanthrene	NELAP	1.95		11.6	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Pyrene	NELAP	1.95		14.5	mg/Kg-dry	5	7/30/04 12:09:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		76.8	%REC	5	7/30/04 12:09:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		60.0	%REC	5	7/30/04 12:09:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		74.8	%REC	5	7/30/04 12:09:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	27.1		656	µg/Kg-dry	12.5	8/1/04 8:04:00 PM	HLR
Toluene	NELAP	135		289	µg/Kg-dry	12.5	8/1/04 8:04:00 PM	HLR
Ethylbenzene	NELAP	135		4720	µg/Kg-dry	12.5	8/1/04 8:04:00 PM	HLR
Xylenes, Total	NELAP	135		1480	µg/Kg-dry	12.5	8/1/04 8:04:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		95.6	%REC	12.5	8/1/04 8:04:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		98.5	%REC	12.5	8/1/04 8:04:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-044
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B516-5 (4-5')
Collection Date: 7/22/04 12:02:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		95.6	%REC	12.5	8/1/04 8:04:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	12.5	8/1/04 8:04:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-045
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B516-5D (4-5')
Collection Date: 7/22/04 12:05:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		21.8	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		78.2	%	1	7/27/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	63.8		2000 #	mg/Kg-dry	10	7/27/04 2:53:00 PM	DMH
Kerosene	NELAP	63.8		ND	mg/Kg-dry	10	7/27/04 2:53:00 PM	DMH
Mineral Spirits	NELAP	63.8		ND	mg/Kg-dry	10	7/27/04 2:53:00 PM	DMH
Motor Oil	NELAP	63.8		ND	mg/Kg-dry	10	7/27/04 2:53:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		102	%REC	10	7/27/04 2:53:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	2.41		3.27	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Acenaphthylene	NELAP	2.41		3.69	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Anthracene	NELAP	2.41		2.67	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Benzo(a)anthracene	NELAP	2.41		7.73	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Benzo(a)pyrene	NELAP	2.41		15.4	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Benzo(b)fluoranthene	NELAP	2.41		14.3	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	2.41		5.61	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Benzo(k)fluoranthene	NELAP	2.41		4.07	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Chrysene	NELAP	2.41		8.08	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	2.41	J	1.5	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Fluoranthene	NELAP	2.41		7.11	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Fluorene	NELAP	2.41		3.25	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	2.41		4.99	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Naphthalene	NELAP	2.41		9.25	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Phenanthrene	NELAP	2.41		7.08	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Pyrene	NELAP	2.41		14.2	mg/Kg-dry	10	7/30/04 12:48:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		77.9	%REC	10	7/30/04 12:48:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		67.7	%REC	10	7/30/04 12:48:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		79.9	%REC	10	7/30/04 12:48:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	29.0		752	µg/Kg-dry	12.5	8/1/04 8:36:00 PM	HLR
Toluene	NELAP	145		199	µg/Kg-dry	12.5	8/1/04 8:36:00 PM	HLR
Ethylbenzene	NELAP	580		8490	µg/Kg-dry	50	8/2/04 1:07:00 PM	HLR
Xylenes, Total	NELAP	145		1670	µg/Kg-dry	12.5	8/1/04 8:36:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		94.5	%REC	12.5	8/1/04 8:36:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		97.9	%REC	12.5	8/1/04 8:36:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental

WorkOrder: 04070635

Lab ID: 04070635-045

Report Date: 11-Aug-04

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

Client Sample ID: B516-5D (4-5')

Collection Date: 7/22/04 12:05:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		95.9	%REC	12.5	8/1/04 8:36:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	12.5	8/1/04 8:36:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-046
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B516-14 (13-14)
Collection Date: 7/22/04 1:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		12.1	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		87.9	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.570		1.94	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Acenaphthylene	NELAP	0.570		2.75	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Anthracene	NELAP	0.570		5.96	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Benzo(a)anthracene	NELAP	0.570		3.03	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Benzo(a)pyrene	NELAP	0.570		3.61	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.570		2.50	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.570		1.19	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.570		0.851	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Chrysene	NELAP	0.570		2.85	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.570	J	0.40	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Fluoranthene	NELAP	0.570		7.32	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Fluorene	NELAP	0.570		6.76	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.570		1.09	mg/Kg-dry	5	7/30/04 5:32:00 PM	DMH
Naphthalene	NELAP	11.4		126	mg/Kg-dry	100	8/2/04 12:26:00 PM	DMH
Phenanthrene	NELAP	11.4		18.0	mg/Kg-dry	100	8/2/04 12:26:00 PM	DMH
Pyrene	NELAP	8.54		9.53	mg/Kg-dry	100	8/2/04 12:26:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		54.7	%REC	5	7/30/04 5:32:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		48.9	%REC	5	7/30/04 5:32:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		74.7	%REC	5	7/30/04 5:32:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	90.9		5450	µg/Kg-dry	50	8/2/04 1:38:00 PM	HLR
Toluene	NELAP	454		1180	µg/Kg-dry	50	8/2/04 1:38:00 PM	HLR
Ethylbenzene	NELAP	454		11400	µg/Kg-dry	50	8/2/04 1:38:00 PM	HLR
Xylenes, Total	NELAP	454		25300	µg/Kg-dry	50	8/2/04 1:38:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		96.5	%REC	50	8/2/04 1:38:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		99.3	%REC	50	8/2/04 1:38:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		99.1	%REC	50	8/2/04 1:38:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	50	8/2/04 1:38:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-047
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B516-24 (23-24)
Collection Date: 7/22/04 1:50:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.4	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.6	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Acenaphthylene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Benzo(a)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Benzo(a)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Chrysene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Fluorene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Naphthalene	NELAP	0.113	J	0.057	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Phenanthrene	NELAP	0.113	J	0.018	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Pyrene	NELAP	0.113	J	0.012	mg/Kg-dry	1	7/29/04 12:01:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		65.1	%REC	1	7/29/04 12:01:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		55.6	%REC	1	7/29/04 12:01:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		81.5	%REC	1	7/29/04 12:01:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8	J	0.7	µg/Kg-dry	1	8/1/04 9:39:00 PM	HLR
Toluene	NELAP	4.0	J	1.1	µg/Kg-dry	1	8/1/04 9:39:00 PM	HLR
Ethylbenzene	NELAP	4.0		ND	µg/Kg-dry	1	8/1/04 9:39:00 PM	HLR
Xylenes, Total	NELAP	4.0	J	1.5	µg/Kg-dry	1	8/1/04 9:39:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		100	%REC	1	8/1/04 9:39:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.0	%REC	1	8/1/04 9:39:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		99.7	%REC	1	8/1/04 9:39:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	1	8/1/04 9:39:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-048
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-3 (2-3')
Collection Date: 7/22/04 2:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		12.4	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		87.6	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		11.3	mg/Kg-dry	1	8/3/04 11:15:53 AM	JMW
Barium	NELAP	0.48		128	mg/Kg-dry	1	8/2/04 7:00:13 PM	SAM
Cadmium	NELAP	0.19		0.29	mg/Kg-dry	1	8/2/04 7:00:13 PM	SAM
Chromium	NELAP	0.96		15.7	mg/Kg-dry	1	8/2/04 6:14:26 PM	JMW
Lead	NELAP	3.85		113	mg/Kg-dry	1	8/2/04 7:00:13 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	8/2/04 7:00:13 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	8/2/04 7:00:13 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
1,2-Dichlorobenzene	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
1,3-Dichlorobenzene	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
1,4-Dichlorobenzene	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2,4,5-Trichlorophenol	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2,4,6-Trichlorophenol	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2,4-Dichlorophenol	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2,4-Dimethylphenol	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2,4-Dinitrophenol	NELAP	16.0		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2,4-Dinitrotoluene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2,6-Dinitrotoluene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2-Chloronaphthalene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2-Chlorophenol	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2-Methylnaphthalene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2-Nitroaniline	NELAP	16.0		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
2-Nitrophenol	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
3-Nitroaniline	NELAP	16.0		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	16.0		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
4-Chloro-3-methylphenol	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
4-Chloroaniline	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
4-Nitroaniline	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-048
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-3 (2-3')
Collection Date: 7/22/04 2:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Acenaphthene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Acenaphthylene	NELAP	5.59	J	2.6	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Anthracene	NELAP	5.59	J	2.4	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Benzo(a)anthracene	NELAP	5.59	J	4.6	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Benzo(a)pyrene	NELAP	5.59		5.86	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Benzo(b)fluoranthene	NELAP	5.59		7.59	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Benzo(g,h,i)perylene	NELAP	5.59	J	3.8	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Benzo(k)fluoranthene	NELAP	5.59	J	2.7	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	7.28		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Butyl benzyl phthalate	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Carbazole		7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Chrysene	NELAP	5.59	J	4.9	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Di-n-butyl phthalate	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Di-n-octyl phthalate	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Dibenzofuran	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Diethyl phthalate	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Dimethyl phthalate		5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Fluoranthene	NELAP	5.59		6.30	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Fluorene	NELAP	5.59	J	1.9	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Hexachlorobenzene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Hexachlorobutadiene	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Hexachlorocyclopentadiene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Hexachloroethane	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	5.59	J	3.4	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Isophorone	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
m,p-Cresol	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
N-Nitrosodiphenylamine	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Naphthalene	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Nitrobenzene	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
o-Cresol	NELAP	7.98		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Pentachlorophenol	NELAP	31.9		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-048
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-3 (2-3')
Collection Date: 7/22/04 2:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	5.59		6.52	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Phenol	NELAP	5.59		ND	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Pyrene	NELAP	7.98		8.53	mg/Kg-dry	5	8/2/04 7:49:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		87.5	%REC	5	8/2/04 7:49:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		101	%REC	5	8/2/04 7:49:00 PM	SML
Surr: 2-Fluorophenol		27-111		85.2	%REC	5	8/2/04 7:49:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		94.7	%REC	5	8/2/04 7:49:00 PM	SML
Surr: p-Terphenyl-d14		25-144		101	%REC	5	8/2/04 7:49:00 PM	SML
Surr: Phenol-d5		33.7-123		102	%REC	5	8/2/04 7:49:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
1,1,2-Trichloroethane	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
1,1-Dichloroethane	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
1,1-Dichloroethene	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
1,2-Dichloroethane	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
1,2-Dichloropropane	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
2-Butanone	NELAP	59.1		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
2-Hexanone	NELAP	59.1		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
4-Methyl-2-pentanone	NELAP	59.1		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Acetone	NELAP	59.1		126	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Benzene	NELAP	1.2		32.6	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Bromodichloromethane	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Bromoform	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Bromomethane	NELAP	11.8		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Carbon disulfide	NELAP	5.9		10.9	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Carbon tetrachloride	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Chlorobenzene	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Chloroethane	NELAP	11.8		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Chloroform	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Chloromethane	NELAP	11.8		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	4.7		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Dibromochloromethane	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Ethylbenzene	NELAP	5.9		17.4	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Methyl tert-butyl ether	NELAP	2.4		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Methylene chloride	NELAP	5.9	J	1.6	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-048
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-3 (2-3')
Collection Date: 7/22/04 2:20:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	5.9	J	3.2	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Tetrachloroethene	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Toluene	NELAP	5.9		10.3	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	4.7		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Trichloroethene	NELAP	5.9		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Vinyl chloride	NELAP	2.4		ND	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Xylenes, Total	NELAP	5.9		25.4	µg/Kg-dry	1	8/1/04 6:43:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		118	%REC	1	8/1/04 6:43:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	69.7	%REC	1	8/1/04 6:43:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121	S	122	%REC	1	8/1/04 6:43:00 AM	HLR
Surr: Toluene-d8		82.8-112.8	S	82.6	%REC	1	8/1/04 6:43:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.110		4.20	mg/Kg-dry	10	8/2/04	JMW
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/30/04 4:17:00 PM	SML
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.57		16.6	mg/kg-dry	1	8/3/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.83		1	7/27/04 4:04:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-049
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-3D (2-3')
Collection Date: 7/22/04 2:22:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		16.2	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		83.8	%	1	7/27/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		13.4	mg/Kg-dry	1	8/3/04 11:17:50 AM	JMW
Barium	NELAP	0.48		134	mg/Kg-dry	1	8/2/04 7:05:32 PM	SAM
Cadmium	NELAP	0.19		0.45	mg/Kg-dry	1	8/2/04 7:05:32 PM	SAM
Chromium	NELAP	0.96		20.9	mg/Kg-dry	1	8/2/04 6:17:24 PM	JMW
Lead	NELAP	3.85		208	mg/Kg-dry	1	8/2/04 7:05:32 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	8/2/04 7:05:32 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	8/2/04 7:05:32 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
1,2-Dichlorobenzene	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
1,3-Dichlorobenzene	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
1,4-Dichlorobenzene	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2,4,5-Trichlorophenol	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2,4,6-Trichlorophenol	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2,4-Dichlorophenol	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2,4-Dimethylphenol	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2,4-Dinitrophenol	NELAP	24.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2,4-Dinitrotoluene	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2,6-Dinitrotoluene	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2-Chloronaphthalene	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2-Chlorophenol	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2-Methylnaphthalene	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2-Nitroaniline	NELAP	24.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
2-Nitrophenol	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
3,3'-Dichlorobenzidine	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
3-Nitroaniline	NELAP	24.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
4,6-Dinitro-2-methylphenol	NELAP	24.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
4-Bromophenyl phenyl ether	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
4-Chloro-3-methylphenol	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
4-Chloroaniline	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
4-Chlorophenyl phenyl ether	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
4-Nitroaniline	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-049
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-3D (2-3')
Collection Date: 7/22/04 2:22:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Acenaphthene	NELAP	8.40	J	5.1	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Acenaphthylene	NELAP	8.40	J	5.1	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Anthracene	NELAP	8.40	J	7.1	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Benzo(a)anthracene	NELAP	8.40		10.7	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Benzo(a)pyrene	NELAP	8.40		11.2	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Benzo(b)fluoranthene	NELAP	8.40		13.5	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Benzo(g,h,i)perylene	NELAP	8.40		11.0	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Benzo(k)fluoranthene	NELAP	8.40	J	4.2	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Bis(2-chloroethoxy)methane	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Bis(2-chloroethyl)ether	NELAP	10.9		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Bis(2-chloroisopropyl)ether	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Bis(2-ethylhexyl)phthalate	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Butyl benzyl phthalate	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Carbazole		12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Chrysene	NELAP	8.40		11.5	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Di-n-butyl phthalate	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Di-n-octyl phthalate	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Dibenzo(a,h)anthracene	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Dibenzofuran	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Diethyl phthalate	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Dimethyl phthalate		8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Fluoranthene	NELAP	8.40		17.1	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Fluorene	NELAP	8.40	J	6.0	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Hexachlorobenzene	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Hexachlorobutadiene	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Hexachlorocyclopentadiene	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Hexachloroethane	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Indeno(1,2,3-cd)pyrene	NELAP	8.40		8.48	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Isophorone	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
m,p-Cresol	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
N-Nitroso-di-n-propylamine	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
N-Nitrosodiphenylamine	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Naphthalene	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Nitrobenzene	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
o-Cresol	NELAP	12.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Pentachlorophenol	NELAP	48.0		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-049
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-3D (2-3')
Collection Date: 7/22/04 2:22:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	8.40		21.1	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Phenol	NELAP	8.40		ND	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Pyrene	NELAP	12.0		22.5	mg/Kg-dry	10	8/3/04 11:09:00 AM	SML
Surr: 2,4,6-Tribromophenol		31-123		107	%REC	10	8/3/04 11:09:00 AM	SML
Surr: 2-Fluorobiphenyl		14.6-132		131	%REC	10	8/3/04 11:09:00 AM	SML
Surr: 2-Fluorophenol		27-111	S	115	%REC	10	8/3/04 11:09:00 AM	SML
Surr: Nitrobenzene-d5		28.9-113	S	134	%REC	10	8/3/04 11:09:00 AM	SML
Surr: p-Terphenyl-d14		25-144		131	%REC	10	8/3/04 11:09:00 AM	SML
Surr: Phenol-d5		33.7-123	S	131	%REC	10	8/3/04 11:09:00 AM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
1,1,2,2-Tetrachloroethane	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
1,1,2-Trichloroethane	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
1,1-Dichloroethane	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
1,1-Dichloroethene	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
1,2-Dichloroethane	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
1,2-Dichloropropane	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
2-Butanone	NELAP	59.5		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
2-Hexanone	NELAP	59.5		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
4-Methyl-2-pentanone	NELAP	59.5		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Acetone	NELAP	59.5		120	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Benzene	NELAP	1.2		19.2	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Bromodichloromethane	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Bromoform	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Bromomethane	NELAP	11.9		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Carbon disulfide	NELAP	6.0	J	5.9	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Carbon tetrachloride	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Chlorobenzene	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Chloroethane	NELAP	11.9		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Chloroform	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Chloromethane	NELAP	11.9		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
cis-1,2-Dichloroethene	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
cis-1,3-Dichloropropene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Dibromochloromethane	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Ethylbenzene	NELAP	6.0		8.0	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Methyl tert-butyl ether	NELAP	2.4		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Methylene chloride	NELAP	6.0	J	1.9	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-049
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-3D (2-3')
Collection Date: 7/22/04 2:22:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	6.0	J	2.3	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Tetrachloroethene	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Toluene	NELAP	6.0	J	5.7	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
trans-1,2-Dichloroethene	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
trans-1,3-Dichloropropene	NELAP	4.8		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Trichloroethene	NELAP	6.0		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Vinyl chloride	NELAP	2.4		ND	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Xylenes, Total	NELAP	6.0		11.1	µg/Kg-dry	1	8/1/04 7:14:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		105	%REC	1	8/1/04 7:14:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	73.8	%REC	1	8/1/04 7:14:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		108	%REC	1	8/1/04 7:14:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		88.9	%REC	1	8/1/04 7:14:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.115		4.46	mg/Kg-dry	10	8/2/04	JMW
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		12		ND	mg/Kg-dry	1	7/30/04 4:33:00 PM	SML
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.58		18.3	mg/kg-dry	1	8/3/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.81		1	7/27/04 4:05:00 PM	JLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-050
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-8 (7-8')
Collection Date: 7/22/04 3:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		22.7	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		77.3	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	12.7		48.1	mg/Kg-dry	100	8/2/04 3:18:00 PM	DMH
Acenaphthylene	NELAP	1.27		8.83	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Anthracene	NELAP	12.7		19.3	mg/Kg-dry	100	8/2/04 3:18:00 PM	DMH
Benzo(a)anthracene	NELAP	1.27		10.8	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Benzo(a)pyrene	NELAP	1.27		12.9	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.27		8.94	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.27		2.75	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.27		2.59	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Chrysene	NELAP	1.27		10.7	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.27	J	0.85	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Fluoranthene	NELAP	12.7		23.6	mg/Kg-dry	100	8/2/04 3:18:00 PM	DMH
Fluorene	NELAP	12.7		36.3	mg/Kg-dry	100	8/2/04 3:18:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.27		2.69	mg/Kg-dry	10	7/30/04 6:11:00 PM	DMH
Naphthalene	NELAP	12.7		105	mg/Kg-dry	100	8/2/04 3:18:00 PM	DMH
Phenanthrene	NELAP	12.7		71.5	mg/Kg-dry	100	8/2/04 3:18:00 PM	DMH
Pyrene	NELAP	12.7		33.0	mg/Kg-dry	100	8/2/04 3:18:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		63.8	%REC	10	7/30/04 6:11:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		54.0	%REC	10	7/30/04 6:11:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		85.9	%REC	10	7/30/04 6:11:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	63.0		3100	µg/Kg-dry	25	8/2/04 1:17:00 AM	HLR
Toluene	NELAP	315		446	µg/Kg-dry	25	8/2/04 1:17:00 AM	HLR
Ethylbenzene	NELAP	1260		23500	µg/Kg-dry	100	8/2/04 2:10:00 PM	HLR
Xylenes, Total	NELAP	315		19800	µg/Kg-dry	25	8/2/04 1:17:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		98.4	%REC	25	8/2/04 1:17:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		96.8	%REC	25	8/2/04 1:17:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		98.7	%REC	25	8/2/04 1:17:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	25	8/2/04 1:17:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT:	Philip Environmental	Client Project:	A831-735002-012901-225/IP Champa
WorkOrder:	04070635	Client Sample ID:	B514-17 (16-17')
Lab ID:	04070635-051	Collection Date:	7/22/04 4:10:00 PM
Report Date:	11-Aug-04	Matrix:	SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		9.9	%	1	7/27/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		90.1	%	1	7/27/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	1690		45900 #	mg/Kg-dry	50	8/1/04 4:42:00 PM	DMH
Kerosene	NELAP	1690		ND	mg/Kg-dry	50	8/1/04 4:42:00 PM	DMH
Mineral Spirits	NELAP	1690		ND	mg/Kg-dry	50	8/1/04 4:42:00 PM	DMH
Motor Oil	NELAP	1690		14800 #	mg/Kg-dry	50	8/1/04 4:42:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	50	8/1/04 4:42:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	163		1490	mg/Kg-dry	250	8/2/04 1:06:00 PM	DMH
Acenaphthylene	NELAP	65.2		402	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Anthracene	NELAP	65.2		602	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Benzo(a)anthracene	NELAP	65.2		254	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Benzo(a)pyrene	NELAP	65.2		292	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Benzo(b)fluoranthene	NELAP	65.2		202	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	65.2		101	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Benzo(k)fluoranthene	NELAP	65.2	J	59	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Chrysene	NELAP	65.2		263	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	65.2	J	26	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Fluoranthene	NELAP	65.2		660	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Fluorene	NELAP	65.2		836	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	65.2		84.5	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Naphthalene	NELAP	652		7660	mg/Kg-dry	1000	8/2/04 2:38:00 PM	DMH
Phenanthrene	NELAP	163		2410	mg/Kg-dry	250	8/2/04 1:06:00 PM	DMH
Pyrene	NELAP	65.2		1030	mg/Kg-dry	100	7/30/04 4:53:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	100	7/30/04 4:53:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	100	7/30/04 4:53:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	100	7/30/04 4:53:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1790		333000	µg/Kg-dry	1000	8/2/04 1:48:00 AM	HLR
Toluene	NELAP	8940		266000	µg/Kg-dry	1000	8/2/04 1:48:00 AM	HLR
Ethylbenzene	NELAP	44700		797000	µg/Kg-dry	5000	8/2/04 2:41:00 PM	HLR
Xylenes, Total	NELAP	8940		721000	µg/Kg-dry	1000	8/2/04 1:48:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		101	%REC	1000	8/2/04 1:48:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		97.7	%REC	1000	8/2/04 1:48:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-051
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-17 (16-17)
Collection Date: 7/22/04 4:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		102	%REC	1000	8/2/04 1:48:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	1000	8/2/04 1:48:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070635
Lab ID: 04070635-052
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B514-28 (27-28)
Collection Date: 7/22/04 4:45:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.1	%	1	7/27/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.9	%	1	7/27/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Acenaphthylene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Anthracene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Benzo(a)anthracene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Benzo(a)pyrene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Chrysene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Fluoranthene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Fluorene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Naphthalene	NELAP	0.108	J	0.085	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Phenanthrene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Pyrene	NELAP	0.108		ND	mg/Kg-dry	1	7/29/04 12:40:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		64.1	%REC	1	7/29/04 12:40:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		54.1	%REC	1	7/29/04 12:40:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		75.1	%REC	1	7/29/04 12:40:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8	J	0.8	µg/Kg-dry	1	8/2/04 2:20:00 AM	HLR
Toluene	NELAP	3.8	J	1.4	µg/Kg-dry	1	8/2/04 2:20:00 AM	HLR
Ethylbenzene	NELAP	3.8	J	0.9	µg/Kg-dry	1	8/2/04 2:20:00 AM	HLR
Xylenes, Total	NELAP	3.8	J	1.8	µg/Kg-dry	1	8/2/04 2:20:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		103	%REC	1	8/2/04 2:20:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		92.4	%REC	1	8/2/04 2:20:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		102	%REC	1	8/2/04 2:20:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.5	%REC	1	8/2/04 2:20:00 AM	HLR