

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. 04070448

Dear Jim Gould:

TEKLAB, INC received 30 samples on 7/16/04 4:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'ML Austin'.

Michael L. Austin
Director of Operations

Client: Philip Environmental
Project: A831-735002-012901-225/IP Champaign
LabOrder: 04070448
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 V_8260S_S, SAMPLE 04070448-005D, 011D, 018D: Elevated reporting limit due to matrix interference.

Analytical Comments for METHOD V_8260S_S, SAMPLE 04070448-023D: Matrix interference present in sample.

Analytical Comments for METHOD SV_OA2_S, SAMPLE 04070448-002A, 027A: Elevated reporting limit due to matrix interference. #: Unknown hydrocarbon.

Analytical Comments for METHOD SV_OA2_S, SAMPLE 04070448-002AMS, 002AMSD: Elevated reporting limit due to matrix interference. #: Unknown hydrocarbon. Matrix spike recovery exceeded QC limits because of sample composition. RPD was not within acceptable limits because of sample composition.

Analytical Comments for METHOD SV_OA2_S, SAMPLE 04070448-008A, 012A, 018A, 022A: Elevated reporting limit due to matrix interference. #: Unknown hydrocarbon. Surrogate was diluted out.

Analytical Comments for METHOD V_BTEX_S, SAMPLE 04070448-004D, 009D, 010D, 014D, 015D, 016D, 025D, 026D, 028D, 030D: Matrix interference present in sample.

Analytical Comments for METHOD V_BTEX_S, SAMPLE 04070448-002E, 012E, 027E: Elevated reporting limit due to matrix interference.

Analytical Comments for METHOD SV_8270S_S_SIMS, SAMPLE 04070448-001A, 002A, 006A, 012A, 016A, 020A, 025A, 026A, 027A: Elevated reporting limit due to matrix interference.

Analytical Comments for METHOD SV_8270S_S_SIMS, SAMPLE 04070448-001AMS, 001AMSD: Elevated reporting limit due to matrix interference. Matrix spike was diluted out.

Analytical Comments for METHOD SV_8270S_S_SIMS, SAMPLE 04070448-007A, 008A, 010A, 012A, 017A, 021A, 022A: Elevated reporting limit due to matrix interference. Surrogate was diluted out.

Analytical Comments for METHOD SV_8270S_S, SAMPLE 04070448-005A, 011A, 011AMS, 011AMSD, 018A: Elevated reporting limit due to matrix interference.

Qualifiers

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

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Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B551-3 (2-3)
Collection Date: 7/15/04 8:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		22.5	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		77.5	%	1	7/22/04	JRS
SW-846 3050B, 6010B, METALS BY ICP								
Arsenic	NELAP	2.45		10.7	mg/Kg-dry	1	7/27/04 2:12:55 PM	JMW
Barium	NELAP	0.49		60.5	mg/Kg-dry	1	7/27/04 11:15:49 AM	SAM
Cadmium	NELAP	0.20		0.39	mg/Kg-dry	1	7/27/04 11:15:49 AM	SAM
Chromium	NELAP	0.98		10.3	mg/Kg-dry	1	7/26/04 4:21:10 PM	JMW
Lead	NELAP	3.92		50.6	mg/Kg-dry	1	7/27/04 11:15:49 AM	SAM
Selenium	NELAP	3.92		< 3.92	mg/Kg-dry	1	7/27/04 11:15:49 AM	SAM
Silver	NELAP	0.98		< 0.98	mg/Kg-dry	1	7/27/04 11:15:49 AM	SAM
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	6.54	J	3.7	mg/Kg-dry	10	7/26/04 2:38:00 AM	DMH
Acenaphthylene	NELAP	6.54		14.2	mg/Kg-dry	10	7/26/04 2:38:00 AM	DMH
Anthracene	NELAP	6.54		20.2	mg/Kg-dry	10	7/26/04 2:38:00 AM	DMH
Benzo(a)anthracene	NELAP	32.7		51.7	mg/Kg-dry	50	7/23/04 4:46:00 PM	DMH
Benzo(a)pyrene	NELAP	32.7		67.5	mg/Kg-dry	50	7/23/04 4:46:00 PM	DMH
Benzo(b)fluoranthene	NELAP	32.7		83.2	mg/Kg-dry	50	7/23/04 4:46:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	32.7	J	28	mg/Kg-dry	50	7/23/04 4:46:00 PM	DMH
Benzo(k)fluoranthene	NELAP	32.7	J	25	mg/Kg-dry	50	7/23/04 4:46:00 PM	DMH
Chrysene	NELAP	32.7		51.2	mg/Kg-dry	50	7/23/04 4:46:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	32.7	J	9.0	mg/Kg-dry	50	7/23/04 4:46:00 PM	DMH
Fluoranthene	NELAP	6.54		93.0	mg/Kg-dry	10	7/26/04 2:38:00 AM	DMH
Fluorene	NELAP	6.54		7.06	mg/Kg-dry	10	7/26/04 2:38:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	32.7		32.8	mg/Kg-dry	50	7/23/04 4:46:00 PM	DMH
Naphthalene	NELAP	6.54		8.45	mg/Kg-dry	10	7/26/04 2:38:00 AM	DMH
Phenanthrene	NELAP	6.54		46.8	mg/Kg-dry	10	7/26/04 2:38:00 AM	DMH
Pyrene	NELAP	6.54		76.4	mg/Kg-dry	10	7/26/04 2:38:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		79.8	%REC	10	7/26/04 2:38:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		60.1	%REC	10	7/26/04 2:38:00 AM	DMH
Surr: p-Terphenyl-d14		10-130	S	150	%REC	10	7/26/04 2:38:00 AM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	39.8		972	µg/Kg-dry	12.5	7/23/04 2:55:00 PM	HLR
Toluene	NELAP	199		244	µg/Kg-dry	12.5	7/23/04 2:55:00 PM	HLR
Ethylbenzene	NELAP	199		282	µg/Kg-dry	12.5	7/23/04 2:55:00 PM	HLR
Xylenes, Total	NELAP	199		276	µg/Kg-dry	12.5	7/23/04 2:55:00 PM	HLR

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Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-001
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B551-3 (2-3)
Collection Date: 7/15/04 8:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		107	%REC	12.5	7/23/04 2:55:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.0	%REC	12.5	7/23/04 2:55:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		97.0	%REC	12.5	7/23/04 2:55:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		99.5	%REC	12.5	7/23/04 2:55:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.281	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.64		3.00	mg/kg-dry	1	7/27/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.72		1	7/19/04 1:32:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

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Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-002
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B551-10 (9-10)
Collection Date: 7/15/04 9:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		27.1	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		72.9	%	1	7/22/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	68.0		699 #	mg/Kg-dry	5	7/23/04 1:08:00 PM	DMH
Kerosene	NELAP	68.0		ND	mg/Kg-dry	5	7/23/04 1:08:00 PM	DMH
Mineral Spirits	NELAP	68.0		ND	mg/Kg-dry	5	7/23/04 1:08:00 PM	DMH
Motor Oil	NELAP	68.0		139 #	mg/Kg-dry	5	7/23/04 1:08:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140		85.2	%REC	5	7/23/04 1:08:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	6.56		23.3	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Acenaphthylene	NELAP	6.56	J	3.0	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Anthracene	NELAP	6.56		13.3	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Benzo(a)anthracene	NELAP	6.56		9.62	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Benzo(a)pyrene	NELAP	6.56		12.3	mg/Kg-dry	5	7/27/04 11:28:00 AM	DMH
Benzo(b)fluoranthene	NELAP	6.56		11.0	mg/Kg-dry	5	7/27/04 11:28:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	6.56	J	3.5	mg/Kg-dry	5	7/27/04 11:28:00 AM	DMH
Benzo(k)fluoranthene	NELAP	6.56	J	4.2	mg/Kg-dry	5	7/27/04 11:28:00 AM	DMH
Chrysene	NELAP	6.56		10.1	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	6.56	J	1.0	mg/Kg-dry	5	7/27/04 11:28:00 AM	DMH
Fluoranthene	NELAP	6.56		20.5	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Fluorene	NELAP	6.56		15.2	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	6.56	J	3.7	mg/Kg-dry	5	7/27/04 11:28:00 AM	DMH
Naphthalene	NELAP	6.56		46.3	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Phenanthrene	NELAP	6.56		40.8	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Pyrene	NELAP	6.56		21.4	mg/Kg-dry	5	7/27/04 1:43:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		69.9	%REC	5	7/27/04 1:43:00 AM	DMH
Surr: Nitrobenzene-d5		10-130	S	0	%REC	5	7/27/04 1:43:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		84.9	%REC	5	7/27/04 1:43:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	58.8		1260	µg/Kg-dry	25	7/23/04 3:27:00 PM	HLR
Toluene	NELAP	294	J	69	µg/Kg-dry	25	7/23/04 3:27:00 PM	HLR
Ethylbenzene	NELAP	1180		13600	µg/Kg-dry	100	7/24/04 11:39:00 PM	HLR
Xylenes, Total	NELAP	294		5720	µg/Kg-dry	25	7/23/04 3:27:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		106	%REC	25	7/23/04 3:27:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.2	%REC	25	7/23/04 3:27:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004
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Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-002
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B551-10 (9-10)
Collection Date: 7/15/04 9:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		96.9	%REC	25	7/23/04 3:27:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	25	7/23/04 3:27:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-003
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B551-16 (15-16)
Collection Date: 7/15/04 9:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		90.0	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.113	J	0.013	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Acenaphthylene	NELAP	0.113	J	0.080	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Anthracene	NELAP	0.113	J	0.021	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Benzo(a)anthracene	NELAP	0.113	J	0.027	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Benzo(a)pyrene	NELAP	0.113	J	0.023	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.113	J	0.020	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Chrysene	NELAP	0.113	J	0.026	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Fluoranthene	NELAP	0.113	J	0.040	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Fluorene	NELAP	0.113	J	0.019	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Naphthalene	NELAP	0.113		1.51	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Phenanthrene	NELAP	0.113	J	0.066	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Pyrene	NELAP	0.113	J	0.058	mg/Kg-dry	1	7/22/04 12:22:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		33.9	%REC	1	7/22/04 12:22:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		19.6	%REC	1	7/22/04 12:22:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		60.3	%REC	1	7/22/04 12:22:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		14.8	µg/Kg-dry	1	7/23/04 3:58:00 PM	HLR
Toluene	NELAP	3.8		73.6	µg/Kg-dry	1	7/23/04 3:58:00 PM	HLR
Ethylbenzene	NELAP	3.8		42.0	µg/Kg-dry	1	7/23/04 3:58:00 PM	HLR
Xylenes, Total	NELAP	3.8		128	µg/Kg-dry	1	7/23/04 3:58:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		107	%REC	1	7/23/04 3:58:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		82.3	%REC	1	7/23/04 3:58:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		98.1	%REC	1	7/23/04 3:58:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		98.1	%REC	1	7/23/04 3:58:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-004
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B551-28 (27-28)
Collection Date: 7/15/04 9:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		9.5	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		90.5	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.112	J	0.038	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Acenaphthylene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Anthracene	NELAP	0.112	J	0.037	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Benzo(a)anthracene	NELAP	0.112	J	0.032	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Benzo(a)pyrene	NELAP	0.112	J	0.029	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.112	J	0.027	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.112	J	0.013	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Chrysene	NELAP	0.112	J	0.031	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Fluoranthene	NELAP	0.112	J	0.058	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Fluorene	NELAP	0.112	J	0.036	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Naphthalene	NELAP	0.112	J	0.082	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Phenanthrene	NELAP	0.112		0.121	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Pyrene	NELAP	0.112	J	0.076	mg/Kg-dry	1	7/22/04 2:21:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		36.4	%REC	1	7/22/04 2:21:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		21.9	%REC	1	7/22/04 2:21:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		69.0	%REC	1	7/22/04 2:21:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.2		2.6	µg/Kg-dry	1	7/23/04 4:30:00 PM	HLR
Toluene	NELAP	5.8	J	3.4	µg/Kg-dry	1	7/23/04 4:30:00 PM	HLR
Ethylbenzene	NELAP	5.8	J	3.3	µg/Kg-dry	1	7/23/04 4:30:00 PM	HLR
Xylenes, Total	NELAP	5.8	J	5.6	µg/Kg-dry	1	7/23/04 4:30:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	126	%REC	1	7/23/04 4:30:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	72.6	%REC	1	7/23/04 4:30:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		111	%REC	1	7/23/04 4:30:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		87.0	%REC	1	7/23/04 4:30:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-005
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-3 (2-3)
Collection Date: 7/15/04 10:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		22.0	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		78.0	%	1	7/22/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.27		19.3	mg/Kg-dry	1	7/26/04 4:24:16 PM	JMW
Barium	NELAP	0.45		207	mg/Kg-dry	1	7/27/04 11:31:25 AM	SAM
Cadmium	NELAP	0.18		0.97	mg/Kg-dry	1	7/27/04 11:31:25 AM	SAM
Chromium	NELAP	0.91		16.3	mg/Kg-dry	1	7/26/04 4:24:16 PM	JMW
Lead	NELAP	3.64		252	mg/Kg-dry	1	7/27/04 11:31:25 AM	SAM
Selenium	NELAP	3.64		< 3.64	mg/Kg-dry	1	7/27/04 11:31:25 AM	SAM
Silver	NELAP	0.91		< 0.91	mg/Kg-dry	1	7/27/04 11:31:25 AM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
1,2-Dichlorobenzene	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
1,3-Dichlorobenzene	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
1,4-Dichlorobenzene	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2,4,5-Trichlorophenol	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2,4,6-Trichlorophenol	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2,4-Dichlorophenol	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2,4-Dimethylphenol	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2,4-Dinitrophenol	NELAP	25.8		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2,4-Dinitrotoluene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2,6-Dinitrotoluene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2-Chloronaphthalene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2-Chlorophenol	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2-Methylnaphthalene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2-Nitroaniline	NELAP	25.8		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
2-Nitrophenol	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
3-Nitroaniline	NELAP	25.8		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	25.8		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
4-Chloro-3-methylphenol	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
4-Chloroaniline	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
4-Nitroaniline	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-005
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-3 (2-3)
Collection Date: 7/15/04 10:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Acenaphthene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Acenaphthylene	NELAP	9.02		9.15	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Anthracene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Benzo(a)anthracene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Benzo(a)pyrene	NELAP	9.02	J	8.5	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Benzo(b)fluoranthene	NELAP	9.02	J	8.2	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Benzo(g,h,i)perylene	NELAP	9.02	J	8.5	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Benzo(k)fluoranthene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	11.8		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Butyl benzyl phthalate	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Carbazole		12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Chrysene	NELAP	9.02	J	4.3	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Di-n-butyl phthalate	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Di-n-octyl phthalate	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Dibenzofuran	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Diethyl phthalate	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Dimethyl phthalate		9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Fluoranthene	NELAP	9.02	J	4.6	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Fluorene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Hexachlorobenzene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Hexachlorobutadiene	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Hexachlorocyclopentadiene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Hexachloroethane	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	9.02	J	4.4	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Isophorone	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
m,p-Cresol	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
N-Nitrosodiphenylamine	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Naphthalene	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Nitrobenzene	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
o-Cresol	NELAP	12.9		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Pentachlorophenol	NELAP	51.6		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-005
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-3 (2-3)
Collection Date: 7/15/04 10:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	9.02	J	3.3	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Phenol	NELAP	9.02		ND	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Pyrene	NELAP	12.9	J	8.5	mg/Kg-dry	10	7/23/04 3:02:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		66.2	%REC	10	7/23/04 3:02:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		95.6	%REC	10	7/23/04 3:02:00 PM	SML
Surr: 2-Fluorophenol		27-111		51.6	%REC	10	7/23/04 3:02:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		83.3	%REC	10	7/23/04 3:02:00 PM	SML
Surr: p-Terphenyl-d14		25-144		102	%REC	10	7/23/04 3:02:00 PM	SML
Surr: Phenol-d5		33.7-123		64.7	%REC	10	7/23/04 3:02:00 PM	SML
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1-Trichloroethane	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
1,1,2-Trichloroethane	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
1,1-Dichloroethane	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
1,1-Dichloroethene	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
1,2-Dichloroethane	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
1,2-Dichloropropane	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
2-Butanone	NELAP	1800	J	720	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
2-Hexanone	NELAP	1800		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
4-Methyl-2-pentanone	NELAP	1800		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Acetone	NELAP	1800		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Benzene	NELAP	36.0		180	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Bromodichloromethane	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Bromoform	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Bromomethane	NELAP	360		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Carbon disulfide	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Carbon tetrachloride	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Chlorobenzene	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Chloroethane	NELAP	360		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Chloroform	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Chloromethane	NELAP	360		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	144		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Dibromochloromethane	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Ethylbenzene	NELAP	180		256	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Methyl tert-butyl ether	NELAP	72.0		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Methylene chloride	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-005
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-3 (2-3)
Collection Date: 7/15/04 10:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Tetrachloroethene	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Toluene	NELAP	180		211	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	144		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Trichloroethene	NELAP	180		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Vinyl chloride	NELAP	72.0		ND	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Xylenes, Total	NELAP	180		624	µg/Kg-dry	12.5	7/20/04 6:03:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		101	%REC	12.5	7/20/04 6:03:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		97.2	%REC	12.5	7/20/04 6:03:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		93.9	%REC	12.5	7/20/04 6:03:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	12.5	7/20/04 6:03:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.013		0.076	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		13		ND	mg/Kg-dry	1	7/23/04 6:34:00 PM	SML
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.64		3.01	mg/kg-dry	1	7/27/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.62		1	7/19/04 1:34:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-006
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-3D (2-3)
Collection Date: 7/15/04 10:25:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		23.3	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		76.7	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	3.28	J	0.62	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Acenaphthylene	NELAP	3.28		11.7	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Anthracene	NELAP	3.28	J	3.1	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Benzo(a)anthracene	NELAP	3.28		11.1	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Benzo(a)pyrene	NELAP	3.28		20.9	mg/Kg-dry	5	7/27/04 12:07:00 PM	DMH
Benzo(b)fluoranthene	NELAP	3.28		22.4	mg/Kg-dry	5	7/27/04 12:07:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	3.28		7.15	mg/Kg-dry	5	7/27/04 12:07:00 PM	DMH
Benzo(k)fluoranthene	NELAP	3.28		7.71	mg/Kg-dry	5	7/27/04 12:07:00 PM	DMH
Chrysene	NELAP	3.28		16.7	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	3.28	J	1.6	mg/Kg-dry	5	7/27/04 12:07:00 PM	DMH
Fluoranthene	NELAP	3.28		18.5	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Fluorene	NELAP	3.28	J	2.3	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	3.28		6.22	mg/Kg-dry	5	7/27/04 12:07:00 PM	DMH
Naphthalene	NELAP	3.28	J	3.1	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Phenanthrene	NELAP	3.28		10.7	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Pyrene	NELAP	3.28		33.1	mg/Kg-dry	5	7/26/04 11:08:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		74.9	%REC	5	7/26/04 11:08:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		59.8	%REC	5	7/26/04 11:08:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		99.5	%REC	5	7/26/04 11:08:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	36.1		147	µg/Kg-dry	12.5	7/23/04 5:02:00 PM	HLR
Toluene	NELAP	180		261	µg/Kg-dry	12.5	7/23/04 5:02:00 PM	HLR
Ethylbenzene	NELAP	180		247	µg/Kg-dry	12.5	7/23/04 5:02:00 PM	HLR
Xylenes, Total	NELAP	180		668	µg/Kg-dry	12.5	7/23/04 5:02:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		112	%REC	12.5	7/23/04 5:02:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.6	%REC	12.5	7/23/04 5:02:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		97.2	%REC	12.5	7/23/04 5:02:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	12.5	7/23/04 5:02:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-007
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-10 (9-10)
Collection Date: 7/15/04 10:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		33.1	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		66.9	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	7.60		77.4	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Acenaphthylene	NELAP	7.60	J	7.3	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Anthracene	NELAP	7.60		29.4	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Benzo(a)anthracene	NELAP	7.60		12.8	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Benzo(a)pyrene	NELAP	7.60		14.5	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Benzo(b)fluoranthene	NELAP	7.60		12.8	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	7.60	J	2.2	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Benzo(k)fluoranthene	NELAP	7.60	J	4.7	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Chrysene	NELAP	7.60		13.8	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	7.60	J	0.79	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Fluoranthene	NELAP	7.60		31.9	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Fluorene	NELAP	7.60		41.7	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	7.60	J	1.9	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Naphthalene	NELAP	7.60	J	1.8	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Phenanthrene	NELAP	7.60		90.7	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Pyrene	NELAP	7.60		42.4	mg/Kg-dry	50	7/27/04 2:51:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	50	7/27/04 2:51:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	50	7/27/04 2:51:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	50	7/27/04 2:51:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	292		765	µg/Kg-dry	100	7/23/04 5:33:00 PM	HLR
Toluene	NELAP	1460		2700	µg/Kg-dry	100	7/23/04 5:33:00 PM	HLR
Ethylbenzene	NELAP	1460		3910	µg/Kg-dry	100	7/23/04 5:33:00 PM	HLR
Xylenes, Total	NELAP	1460		6120	µg/Kg-dry	100	7/23/04 5:33:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		115	%REC	100	7/23/04 5:33:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.2	%REC	100	7/23/04 5:33:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		101	%REC	100	7/23/04 5:33:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		99.3	%REC	100	7/23/04 5:33:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-008
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-18 (17-18)
Collection Date: 7/15/04 11:35:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		10.4	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		89.6	%	1	7/22/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	279		5480 #	mg/Kg-dry	50	7/23/04 1:36:00 PM	DMH
Kerosene	NELAP	279		ND	mg/Kg-dry	50	7/23/04 1:36:00 PM	DMH
Mineral Spirits	NELAP	279		ND	mg/Kg-dry	50	7/23/04 1:36:00 PM	DMH
Motor Oil	NELAP	279		1190 #	mg/Kg-dry	50	7/23/04 1:36:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	50	7/23/04 1:36:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	50.9		98.9	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Acenaphthylene	NELAP	50.9		230	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Anthracene	NELAP	50.9		172	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Benzo(a)anthracene	NELAP	50.9		78.2	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Benzo(a)pyrene	NELAP	50.9		86.0	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Benzo(b)fluoranthene	NELAP	50.9		73.5	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	50.9	J	13	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Benzo(k)fluoranthene	NELAP	50.9	J	26	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Chrysene	NELAP	50.9		79.1	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	50.9		ND	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Fluoranthene	NELAP	50.9		173	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Fluorene	NELAP	50.9		241	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	50.9	J	14	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Naphthalene	NELAP	509		1070	mg/Kg-dry	500	7/27/04 2:13:00 PM	DMH
Phenanthrene	NELAP	50.9		593	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Pyrene	NELAP	50.9		242	mg/Kg-dry	50	7/27/04 12:46:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	50	7/27/04 12:46:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	50	7/27/04 12:46:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	50	7/27/04 12:46:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	389		5620	µg/Kg-dry	250	7/23/04 6:05:00 PM	HLR
Toluene	NELAP	1950		7780	µg/Kg-dry	250	7/23/04 6:05:00 PM	HLR
Ethylbenzene	NELAP	1950		9020	µg/Kg-dry	250	7/23/04 6:05:00 PM	HLR
Xylenes, Total	NELAP	1950		13000	µg/Kg-dry	250	7/23/04 6:05:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		116	%REC	250	7/23/04 6:05:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		94.8	%REC	250	7/23/04 6:05:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-008
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-18 (17-18)
Collection Date: 7/15/04 11:35:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		102	%REC	250	7/23/04 6:05:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	250	7/23/04 6:05:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-009
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B554-32 (31-32)
Collection Date: 7/15/04 11:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		9.8	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		90.2	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Acenaphthylene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Benzo(a)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Benzo(a)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Chrysene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Fluorene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Naphthalene	NELAP	0.112	J	0.057	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Phenanthrene	NELAP	0.112	J	0.025	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Pyrene	NELAP	0.112	J	0.011	mg/Kg-dry	1	7/22/04 3:02:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		37.4	%REC	1	7/22/04 3:02:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		27.3	%REC	1	7/22/04 3:02:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		66.3	%REC	1	7/22/04 3:02:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		3.7	µg/Kg-dry	1	7/23/04 6:36:00 PM	HLR
Toluene	NELAP	3.7		9.5	µg/Kg-dry	1	7/23/04 6:36:00 PM	HLR
Ethylbenzene	NELAP	3.7		4.8	µg/Kg-dry	1	7/23/04 6:36:00 PM	HLR
Xylenes, Total	NELAP	3.7		17.8	µg/Kg-dry	1	7/23/04 6:36:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	124	%REC	1	7/23/04 6:36:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	70.9	%REC	1	7/23/04 6:36:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		110	%REC	1	7/23/04 6:36:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		88.1	%REC	1	7/23/04 6:36:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-010
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-1 (0-1)
Collection Date: 7/15/04 1:40:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		21.7	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		78.3	%	1	7/22/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.45		37.2	mg/Kg-dry	1	7/26/04 4:33:11 PM	JMW
Barium	NELAP	0.49		135	mg/Kg-dry	1	7/27/04 11:36:43 AM	SAM
Cadmium	NELAP	0.20		1.59	mg/Kg-dry	1	7/27/04 11:36:43 AM	SAM
Chromium	NELAP	0.98		19.4	mg/Kg-dry	1	7/26/04 4:33:11 PM	JMW
Lead	NELAP	3.92		358	mg/Kg-dry	1	7/27/04 11:36:43 AM	SAM
Selenium	NELAP	3.92		< 3.92	mg/Kg-dry	1	7/27/04 11:36:43 AM	SAM
Silver	NELAP	0.98		< 0.98	mg/Kg-dry	1	7/27/04 11:36:43 AM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	3.20		ND	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Acenaphthylene	NELAP	3.20	J	1.1	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Anthracene	NELAP	3.20	J	0.57	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Benzo(a)anthracene	NELAP	3.20	J	2.3	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Benzo(a)pyrene	NELAP	3.20		4.11	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Benzo(b)fluoranthene	NELAP	3.20		5.54	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	3.20	J	2.1	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Benzo(k)fluoranthene	NELAP	3.20	J	2.0	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Chrysene	NELAP	3.20		3.35	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	3.20	J	0.61	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Fluoranthene	NELAP	3.20		4.67	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Fluorene	NELAP	3.20	J	0.34	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	3.20	J	2.2	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Naphthalene	NELAP	3.20	J	0.45	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Phenanthrene	NELAP	3.20	J	2.1	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Pyrene	NELAP	3.20		4.20	mg/Kg-dry	5	7/26/04 7:15:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		85.0	%REC	5	7/26/04 7:15:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		59.8	%REC	5	7/26/04 7:15:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		110	%REC	5	7/26/04 7:15:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.4		4.6	µg/Kg-dry	1	7/23/04 7:08:00 PM	HLR
Toluene	NELAP	6.8	J	4.4	µg/Kg-dry	1	7/23/04 7:08:00 PM	HLR
Ethylbenzene	NELAP	6.8	J	3.2	µg/Kg-dry	1	7/23/04 7:08:00 PM	HLR
Xylenes, Total	NELAP	6.8		8.6	µg/Kg-dry	1	7/23/04 7:08:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-010
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-1 (0-1)
Collection Date: 7/15/04 1:40:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122	S	133	%REC	1	7/23/04 7:08:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	67.4	%REC	1	7/23/04 7:08:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121	S	121	%REC	1	7/23/04 7:08:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		90.9	%REC	1	7/23/04 7:08:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.344	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.63		0.64	mg/kg-dry	1	7/27/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.32		1	7/19/04 1:37:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-011
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-10 (9-10)
Collection Date: 7/15/04 2:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		17.8	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		82.2	%	1	7/22/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		15.2	mg/Kg-dry	1	7/27/04 1:41:58 PM	JMW
Barium	NELAP	0.48		55.2	mg/Kg-dry	1	7/27/04 11:42:01 AM	SAM
Cadmium	NELAP	0.19		0.45	mg/Kg-dry	1	7/27/04 11:42:01 AM	SAM
Chromium	NELAP	0.96		15.3	mg/Kg-dry	1	7/26/04 4:36:10 PM	JMW
Lead	NELAP	3.85		14.1	mg/Kg-dry	1	7/27/04 11:42:01 AM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/27/04 11:42:01 AM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/27/04 11:42:01 AM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
1,2-Dichlorobenzene	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
1,3-Dichlorobenzene	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
1,4-Dichlorobenzene	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2,4,5-Trichlorophenol	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2,4,6-Trichlorophenol	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2,4-Dichlorophenol	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2,4-Dimethylphenol	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2,4-Dinitrophenol	NELAP	5.98		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2,4-Dinitrotoluene	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2,6-Dinitrotoluene	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2-Chloronaphthalene	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2-Chlorophenol	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2-Methylnaphthalene	NELAP	2.09		6.67	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2-Nitroaniline	NELAP	5.98		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
2-Nitrophenol	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
3-Nitroaniline	NELAP	5.98		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
4,6-Dinitro-2-methylphenol	NELAP	5.98		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
4-Chloro-3-methylphenol	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
4-Chloroaniline	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
4-Nitroaniline	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental

WorkOrder: 04070448

Lab ID: 04070448-011

Report Date: 11-Aug-04

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

Client Sample ID: B561-10 (9-10)

Collection Date: 7/15/04 2:10:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Acenaphthene	NELAP	2.09		9.11	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Acenaphthylene	NELAP	2.09	J	1.6	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Anthracene	NELAP	2.09		4.77	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Benzo(a)anthracene	NELAP	2.09		2.46	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Benzo(a)pyrene	NELAP	2.09	J	2.0	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Benzo(b)fluoranthene	NELAP	2.09	J	1.4	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Benzo(g,h,i)perylene	NELAP	2.09	J	0.85	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Benzo(k)fluoranthene	NELAP	2.09	J	0.59	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	2.73		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	2.09	J	1.7	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Butyl benzyl phthalate	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Carbazole		2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Chrysene	NELAP	2.09		2.38	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Di-n-butyl phthalate	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Di-n-octyl phthalate	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Dibenzofuran	NELAP	2.09	J	0.77	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Diethyl phthalate	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Dimethyl phthalate		2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Fluoranthene	NELAP	2.09		4.97	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Fluorene	NELAP	2.09		6.33	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Hexachlorobenzene	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Hexachlorobutadiene	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Hexachlorocyclopentadiene	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Hexachloroethane	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Isophorone	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
m,p-Cresol	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
N-Nitroso-di-n-propylamine	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
N-Nitrosodiphenylamine	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Naphthalene	NELAP	2.09		22.8	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Nitrobenzene	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
o-Cresol	NELAP	2.99		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Pentachlorophenol	NELAP	12.0		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-011
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-10 (9-10)
Collection Date: 7/15/04 2:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	2.09		13.9	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Phenol	NELAP	2.09		ND	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Pyrene	NELAP	2.99		7.38	mg/Kg-dry	5	7/23/04 12:26:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		79.1	%REC	5	7/23/04 12:26:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		89.0	%REC	5	7/23/04 12:26:00 PM	SML
Surr: 2-Fluorophenol		27-111		81.9	%REC	5	7/23/04 12:26:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		85.5	%REC	5	7/23/04 12:26:00 PM	SML
Surr: p-Terphenyl-d14		25-144		95.5	%REC	5	7/23/04 12:26:00 PM	SML
Surr: Phenol-d5		33.7-123		98.7	%REC	5	7/23/04 12:26:00 PM	SML
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,1,1-Trichloroethane	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
1,1,2-Trichloroethane	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
1,1-Dichloroethane	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
1,1-Dichloroethene	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
1,2-Dichloroethane	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
1,2-Dichloropropane	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
2-Butanone	NELAP	4210		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
2-Hexanone	NELAP	4210		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
4-Methyl-2-pentanone	NELAP	4210		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Acetone	NELAP	4210		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Benzene	NELAP	84.1		1250	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Bromodichloromethane	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Bromoform	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Bromomethane	NELAP	841		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Carbon disulfide	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Carbon tetrachloride	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Chlorobenzene	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Chloroethane	NELAP	841		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Chloroform	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Chloromethane	NELAP	841		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	337		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Dibromochloromethane	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Ethylbenzene	NELAP	421		1380	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Methyl tert-butyl ether	NELAP	168		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Methylene chloride	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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Laboratory Results

CLIENT: Philip Environmental

WorkOrder: 04070448

Lab ID: 04070448-011

Report Date: 11-Aug-04

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

Client Sample ID: B561-10 (9-10)

Collection Date: 7/15/04 2:10:00 PM

Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Tetrachloroethene	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Toluene	NELAP	421	J	110	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	337		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Trichloroethene	NELAP	421		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Vinyl chloride	NELAP	168		ND	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Xylenes, Total	NELAP	421		3540	µg/Kg-dry	50	7/20/04 6:35:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		101	%REC	50	7/20/04 6:35:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		98.6	%REC	50	7/20/04 6:35:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		95.2	%REC	50	7/20/04 6:35:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	50	7/20/04 6:35:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.018	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		12		ND	mg/Kg-dry	1	7/23/04 6:51:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.78		1	7/19/04 1:39:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-13 (12-13)
Collection Date: 7/15/04 3:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		10.3	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		89.7	%	1	7/22/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	137		648 #	mg/Kg-dry	25	7/21/04 6:42:00 AM	CJS
Kerosene	NELAP	137		ND	mg/Kg-dry	25	7/21/04 6:42:00 AM	CJS
Mineral Spirits	NELAP	137		ND	mg/Kg-dry	25	7/21/04 6:42:00 AM	CJS
Motor Oil	NELAP	137		ND	mg/Kg-dry	25	7/21/04 6:42:00 AM	CJS
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	25	7/21/04 6:42:00 AM	CJS
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	2.75		26.6	mg/Kg-dry	5	7/26/04 1:20:00 AM	DMH
Acenaphthylene	NELAP	2.75		3.34	mg/Kg-dry	5	7/26/04 1:20:00 AM	DMH
Anthracene	NELAP	2.75		11.4	mg/Kg-dry	5	7/26/04 1:20:00 AM	DMH
Benzo(a)anthracene	NELAP	2.75		5.32	mg/Kg-dry	5	7/26/04 7:54:00 PM	DMH
Benzo(a)pyrene	NELAP	2.75		5.54	mg/Kg-dry	5	7/26/04 7:54:00 PM	DMH
Benzo(b)fluoranthene	NELAP	2.75		3.93	mg/Kg-dry	5	7/26/04 7:54:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	2.75	J	1.5	mg/Kg-dry	5	7/26/04 7:54:00 PM	DMH
Benzo(k)fluoranthene	NELAP	2.75	J	1.2	mg/Kg-dry	5	7/26/04 7:54:00 PM	DMH
Chrysene	NELAP	2.75		5.89	mg/Kg-dry	5	7/26/04 7:54:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	2.75	J	0.43	mg/Kg-dry	5	7/26/04 7:54:00 PM	DMH
Fluoranthene	NELAP	2.75		9.38	mg/Kg-dry	5	7/26/04 1:20:00 AM	DMH
Fluorene	NELAP	2.75		15.2	mg/Kg-dry	5	7/26/04 1:20:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	2.75	J	1.3	mg/Kg-dry	5	7/26/04 7:54:00 PM	DMH
Naphthalene	NELAP	2.75		28.9	mg/Kg-dry	5	7/26/04 1:20:00 AM	DMH
Phenanthrene	NELAP	2.75		37.2	mg/Kg-dry	5	7/26/04 1:20:00 AM	DMH
Pyrene	NELAP	2.75		13.9	mg/Kg-dry	5	7/26/04 1:20:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		70.1	%REC	5	7/26/04 1:20:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		45.1	%REC	5	7/26/04 1:20:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		79.9	%REC	5	7/26/04 1:20:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	86.6		204	µg/Kg-dry	50	7/25/04 12:10:00 AM	HLR
Toluene	NELAP	433		ND	µg/Kg-dry	50	7/25/04 12:10:00 AM	HLR
Ethylbenzene	NELAP	433		1600	µg/Kg-dry	50	7/25/04 12:10:00 AM	HLR
Xylenes, Total	NELAP	433		2060	µg/Kg-dry	50	7/25/04 12:10:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		116	%REC	50	7/25/04 12:10:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.5	%REC	50	7/25/04 12:10:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-012
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-13 (12-13)
Collection Date: 7/15/04 3:10:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		98.4	%REC	50	7/25/04 12:10:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	50	7/25/04 12:10:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-013
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-19 (18-19)
Collection Date: 7/15/04 3:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		8.5	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		91.5	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.106	J	0.020	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Acenaphthylene	NELAP	0.106		ND	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Anthracene	NELAP	0.106	J	0.016	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Benzo(a)anthracene	NELAP	0.106	J	0.012	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Benzo(a)pyrene	NELAP	0.106		ND	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.106		ND	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.106		ND	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.106		ND	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Chrysene	NELAP	0.106	J	0.013	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.106		ND	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Fluoranthene	NELAP	0.106	J	0.020	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Fluorene	NELAP	0.106	J	0.018	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.106		ND	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Naphthalene	NELAP	0.106		0.106	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Phenanthrene	NELAP	0.106	J	0.051	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Pyrene	NELAP	0.106	J	0.029	mg/Kg-dry	1	7/22/04 3:42:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		36.2	%REC	1	7/22/04 3:42:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		26.6	%REC	1	7/22/04 3:42:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		61.6	%REC	1	7/22/04 3:42:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		3.3	µg/Kg-dry	1	7/24/04 3:28:00 AM	HLR
Toluene	NELAP	3.8	J	2.8	µg/Kg-dry	1	7/24/04 3:28:00 AM	HLR
Ethylbenzene	NELAP	3.8		3.9	µg/Kg-dry	1	7/24/04 3:28:00 AM	HLR
Xylenes, Total	NELAP	3.8		5.6	µg/Kg-dry	1	7/24/04 3:28:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		117	%REC	1	7/24/04 3:28:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		86.8	%REC	1	7/24/04 3:28:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		102	%REC	1	7/24/04 3:28:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		98.7	%REC	1	7/24/04 3:28:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

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Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-014
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-32 (31-32)
Collection Date: 7/15/04 3:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		11.2	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		88.8	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Acenaphthylene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Benzo(a)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Benzo(a)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Chrysene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Fluorene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Naphthalene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Phenanthrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 5:09:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		39.0	%REC	1	7/22/04 5:09:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		19.3	%REC	1	7/22/04 5:09:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		71.1	%REC	1	7/22/04 5:09:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		1.5	µg/Kg-dry	1	7/24/04 3:59:00 AM	HLR
Toluene	NELAP	3.9	J	1.7	µg/Kg-dry	1	7/24/04 3:59:00 AM	HLR
Ethylbenzene	NELAP	3.9		ND	µg/Kg-dry	1	7/24/04 3:59:00 AM	HLR
Xylenes, Total	NELAP	3.9	J	1.7	µg/Kg-dry	1	7/24/04 3:59:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	128	%REC	1	7/24/04 3:59:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	70.9	%REC	1	7/24/04 3:59:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		112	%REC	1	7/24/04 3:59:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		87.5	%REC	1	7/24/04 3:59:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-015
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B561-32D (31-32)
Collection Date: 7/15/04 3:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		10.5	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.5	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Acenaphthylene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Benzo(a)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Benzo(a)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Chrysene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Fluoranthene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Fluorene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Naphthalene	NELAP	0.112	J	0.020	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Phenanthrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Pyrene	NELAP	0.112		ND	mg/Kg-dry	1	7/22/04 6:30:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		49.7	%REC	1	7/22/04 6:30:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		30.5	%REC	1	7/22/04 6:30:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		76.5	%REC	1	7/22/04 6:30:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		1.4	µg/Kg-dry	1	7/24/04 4:30:00 AM	HLR
Toluene	NELAP	4.1	J	1.8	µg/Kg-dry	1	7/24/04 4:30:00 AM	HLR
Ethylbenzene	NELAP	4.1		ND	µg/Kg-dry	1	7/24/04 4:30:00 AM	HLR
Xylenes, Total	NELAP	4.1	J	1.8	µg/Kg-dry	1	7/24/04 4:30:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	125	%REC	1	7/24/04 4:30:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	72.1	%REC	1	7/24/04 4:30:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		108	%REC	1	7/24/04 4:30:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		89.3	%REC	1	7/24/04 4:30:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-016
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B562-1 (0-1)
Collection Date: 7/15/04 4:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		23.7	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		76.3	%	1	7/22/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		31.7	mg/Kg-dry	1	7/26/04 4:45:12 PM	JMW
Barium	NELAP	0.50		212	mg/Kg-dry	1	7/27/04 11:57:54 AM	SAM
Cadmium	NELAP	0.20		2.00	mg/Kg-dry	1	7/27/04 11:57:54 AM	SAM
Chromium	NELAP	1.00		19.1	mg/Kg-dry	1	7/26/04 4:45:12 PM	JMW
Lead	NELAP	4.00		390	mg/Kg-dry	1	7/27/04 11:57:54 AM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/27/04 11:57:54 AM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/27/04 11:57:54 AM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.666	J	0.076	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Acenaphthylene	NELAP	0.666	J	0.51	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Anthracene	NELAP	0.666	J	0.26	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Benzo(a)anthracene	NELAP	0.666		1.38	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Benzo(a)pyrene	NELAP	0.666		2.33	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.666		3.66	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.666	J	0.54	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.666		1.36	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Chrysene	NELAP	0.666		1.71	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.666	J	0.18	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Fluoranthene	NELAP	0.666		2.37	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Fluorene	NELAP	0.666	J	0.093	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.666	J	0.64	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Naphthalene	NELAP	0.666	J	0.23	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Phenanthrene	NELAP	0.666		0.855	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Pyrene	NELAP	0.666		2.22	mg/Kg-dry	5	7/27/04 1:25:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		57.8	%REC	5	7/27/04 1:25:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		48.9	%REC	5	7/27/04 1:25:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		66.8	%REC	5	7/27/04 1:25:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.3		8.7	µg/Kg-dry	1	7/24/04 5:01:00 AM	HLR
Toluene	NELAP	6.5		8.6	µg/Kg-dry	1	7/24/04 5:01:00 AM	HLR
Ethylbenzene	NELAP	6.5	J	3.7	µg/Kg-dry	1	7/24/04 5:01:00 AM	HLR
Xylenes, Total	NELAP	6.5		9.9	µg/Kg-dry	1	7/24/04 5:01:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-016
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B562-1 (0-1)
Collection Date: 7/15/04 4:25:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122	S	136	%REC	1	7/24/04 5:01:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	65.2	%REC	1	7/24/04 5:01:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		120	%REC	1	7/24/04 5:01:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		90.6	%REC	1	7/24/04 5:01:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.227	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.65		0.81	mg/kg-dry	1	7/27/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.56		1	7/19/04 1:40:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-017
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B562-10 (9-10)
Collection Date: 7/15/04 4:30:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		21.4	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		78.6	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	6.33		28.2	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Acenaphthylene	NELAP	6.33	J	3.5	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Anthracene	NELAP	6.33		13.8	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Benzo(a)anthracene	NELAP	6.33	J	6.1	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Benzo(a)pyrene	NELAP	6.33	J	6.1	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Benzo(b)fluoranthene	NELAP	6.33	J	4.5	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	6.33	J	1.6	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Benzo(k)fluoranthene	NELAP	6.33	J	1.5	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Chrysene	NELAP	6.33	J	6.0	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	6.33		ND	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Fluoranthene	NELAP	6.33		13.5	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Fluorene	NELAP	6.33		18.5	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	6.33	J	1.5	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Naphthalene	NELAP	6.33		38.9	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Phenanthrene	NELAP	6.33		45.0	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Pyrene	NELAP	6.33		20.0	mg/Kg-dry	50	7/26/04 9:11:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	50	7/26/04 9:11:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	50	7/26/04 9:11:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	50	7/26/04 9:11:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	53.7		286	µg/Kg-dry	25	7/25/04 12:41:00 AM	HLR
Toluene	NELAP	269		726	µg/Kg-dry	25	7/25/04 12:41:00 AM	HLR
Ethylbenzene	NELAP	269		1590	µg/Kg-dry	25	7/25/04 12:41:00 AM	HLR
Xylenes, Total	NELAP	269		1660	µg/Kg-dry	25	7/25/04 12:41:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		113	%REC	25	7/25/04 12:41:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.7	%REC	25	7/25/04 12:41:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		96.6	%REC	25	7/25/04 12:41:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	25	7/25/04 12:41:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-018
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B562-14 (13-14)
Collection Date: 7/15/04 5:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		10.9	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		89.1	%	1	7/22/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.50		< 2.50	mg/Kg-dry	1	7/26/04 4:48:11 PM	JMW
Barium	NELAP	0.50		18.8	mg/Kg-dry	1	7/27/04 12:03:11 PM	SAM
Cadmium	NELAP	0.20		< 0.20	mg/Kg-dry	1	7/27/04 12:03:11 PM	SAM
Chromium	NELAP	1.00		7.18	mg/Kg-dry	1	7/26/04 4:48:11 PM	JMW
Lead	NELAP	4.00		7.92	mg/Kg-dry	1	7/27/04 12:03:11 PM	SAM
Selenium	NELAP	4.00		< 4.00	mg/Kg-dry	1	7/27/04 12:03:11 PM	SAM
Silver	NELAP	1.00		< 1.00	mg/Kg-dry	1	7/27/04 12:03:11 PM	SAM
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	281		5190 #	mg/Kg-dry	50	7/23/04 2:05:00 PM	DMH
Kerosene	NELAP	281		ND	mg/Kg-dry	50	7/23/04 2:05:00 PM	DMH
Mineral Spirits	NELAP	281		ND	mg/Kg-dry	50	7/23/04 2:05:00 PM	DMH
Motor Oil	NELAP	281		1030 #	mg/Kg-dry	50	7/23/04 2:05:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	50	7/23/04 2:05:00 PM	DMH
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
1,2-Dichlorobenzene	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
1,3-Dichlorobenzene	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
1,4-Dichlorobenzene	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2,4,5-Trichlorophenol	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2,4,6-Trichlorophenol	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2,4-Dichlorophenol	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2,4-Dimethylphenol	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2,4-Dinitrophenol	NELAP	31.0		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2,4-Dinitrotoluene	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2,6-Dinitrotoluene	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2-Chloronaphthalene	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2-Chlorophenol	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2-Methylnaphthalene	NELAP	27.2		190	mg/Kg-dry	25	8/10/04 12:58:00 PM	SML
2-Nitroaniline	NELAP	31.0		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
2-Nitrophenol	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
3,3'-Dichlorobenzidine	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
3-Nitroaniline	NELAP	31.0		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-018
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B562-14 (13-14)
Collection Date: 7/15/04 5:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4,6-Dinitro-2-methylphenol	NELAP	31.0		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
4-Bromophenyl phenyl ether	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
4-Chloro-3-methylphenol	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
4-Chloroaniline	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
4-Chlorophenyl phenyl ether	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
4-Nitroaniline	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
4-Nitrophenol	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Acenaphthene	NELAP	10.9		93.3	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Acenaphthylene	NELAP	10.9		12.0	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Anthracene	NELAP	10.9		51.6	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Benzo(a)anthracene	NELAP	10.9		26.5	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Benzo(a)pyrene	NELAP	10.9		21.8	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Benzo(b)fluoranthene	NELAP	10.9		17.5	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Benzo(g,h,i)perylene	NELAP	10.9	J	6.2	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Benzo(k)fluoranthene	NELAP	10.9	J	6.0	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Bis(2-chloroethoxy)methane	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Bis(2-chloroethyl)ether	NELAP	14.2		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Bis(2-chloroisopropyl)ether	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Bis(2-ethylhexyl)phthalate	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Butyl benzyl phthalate	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Carbazole		15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Chrysene	NELAP	10.9		25.5	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Di-n-butyl phthalate	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Di-n-octyl phthalate	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Dibenzo(a,h)anthracene	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Dibenzofuran	NELAP	10.9	J	8.8	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Diethyl phthalate	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Dimethyl phthalate		10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Fluoranthene	NELAP	10.9		54.1	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Fluorene	NELAP	10.9		65.6	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Hexachlorobenzene	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Hexachlorobutadiene	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Hexachlorocyclopentadiene	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Hexachloroethane	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Indeno(1,2,3-cd)pyrene	NELAP	10.9	J	5.2	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Isophorone	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
m,p-Cresol	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-018
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B562-14 (13-14)
Collection Date: 7/15/04 5:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
N-Nitroso-di-n-propylamine	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
N-Nitrosodiphenylamine	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Naphthalene	NELAP	27.2		321	mg/Kg-dry	25	8/10/04 12:58:00 PM	SML
Nitrobenzene	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
o-Cresol	NELAP	15.5		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Pentachlorophenol	NELAP	62.1		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Phenanthrene	NELAP	27.2		174	mg/Kg-dry	25	8/10/04 12:58:00 PM	SML
Phenol	NELAP	10.9		ND	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Pyrene	NELAP	15.5		78.1	mg/Kg-dry	10	7/23/04 2:23:00 PM	SML
Surr: 2,4,6-Tribromophenol		31-123		67.1	%REC	10	7/23/04 2:23:00 PM	SML
Surr: 2-Fluorobiphenyl		14.6-132		103	%REC	10	7/23/04 2:23:00 PM	SML
Surr: 2-Fluorophenol		27-111		77.8	%REC	10	7/23/04 2:23:00 PM	SML
Surr: Nitrobenzene-d5		28.9-113		86.3	%REC	10	7/23/04 2:23:00 PM	SML
Surr: p-Terphenyl-d14		25-144		108	%REC	10	7/23/04 2:23:00 PM	SML
Surr: Phenol-d5		33.7-123		95.3	%REC	10	7/23/04 2:23:00 PM	SML
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1-Trichloroethane	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
1,1,2-Trichloroethane	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
1,1-Dichloroethane	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
1,1-Dichloroethene	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
1,2-Dichloroethane	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
1,2-Dichloropropane	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
2-Butanone	NELAP	8310		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
2-Hexanone	NELAP	8310		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
4-Methyl-2-pentanone	NELAP	8310		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Acetone	NELAP	8310		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Benzene	NELAP	166		6260	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Bromodichloromethane	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Bromoform	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Bromomethane	NELAP	1660		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Carbon disulfide	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Carbon tetrachloride	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Chlorobenzene	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Chloroethane	NELAP	1660		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Chloroform	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Chloromethane	NELAP	1660		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-018
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B562-14 (13-14)
Collection Date: 7/15/04 5:15:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
cis-1,2-Dichloroethene	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	665		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Dibromochloromethane	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Ethylbenzene	NELAP	4160		58500	µg/Kg-dry	500	7/21/04 11:31:00 PM	HLR
Methyl tert-butyl ether	NELAP	333		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Methylene chloride	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Styrene	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Tetrachloroethene	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Toluene	NELAP	831	J	500	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	665		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Trichloroethene	NELAP	831		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Vinyl chloride	NELAP	333		ND	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Xylenes, Total	NELAP	831		54300	µg/Kg-dry	100	7/20/04 7:06:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		102	%REC	100	7/20/04 7:06:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		98.0	%REC	100	7/20/04 7:06:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		97.1	%REC	100	7/20/04 7:06:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	100	7/20/04 7:06:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.011	J	0.007	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015. MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/23/04 7:07:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		8.15		1	7/19/04 1:41:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-019
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B562-28 (27-28)
Collection Date: 7/15/04 5:35:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		8.9	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		91.1	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.110	J	0.014	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Acenaphthylene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Anthracene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Benzo(a)anthracene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Benzo(a)pyrene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Chrysene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Fluoranthene	NELAP	0.110	J	0.012	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Fluorene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.110		ND	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Naphthalene	NELAP	0.110	J	0.041	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Phenanthrene	NELAP	0.110	J	0.037	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Pyrene	NELAP	0.110	J	0.019	mg/Kg-dry	1	7/22/04 7:09:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		50.0	%REC	1	7/22/04 7:09:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		32.6	%REC	1	7/22/04 7:09:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		77.7	%REC	1	7/22/04 7:09:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		2.0	µg/Kg-dry	1	7/24/04 6:04:00 AM	HLR
Toluene	NELAP	3.7		4.1	µg/Kg-dry	1	7/24/04 6:04:00 AM	HLR
Ethylbenzene	NELAP	3.7	J	1.1	µg/Kg-dry	1	7/24/04 6:04:00 AM	HLR
Xylenes, Total	NELAP	3.7	J	3.6	µg/Kg-dry	1	7/24/04 6:04:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		120	%REC	1	7/24/04 6:04:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		80.5	%REC	1	7/24/04 6:04:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		104	%REC	1	7/24/04 6:04:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		96.2	%REC	1	7/24/04 6:04:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-020
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-2 (1-2)
Collection Date: 7/16/04 8:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		15.3	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		84.7	%	1	7/22/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.36		11.5	mg/Kg-dry	1	7/26/04 4:51:10 PM	JMW
Barium	NELAP	0.47		136	mg/Kg-dry	1	7/27/04 12:08:30 PM	SAM
Cadmium	NELAP	0.19		0.36	mg/Kg-dry	1	7/27/04 12:08:30 PM	SAM
Chromium	NELAP	0.94		14.0	mg/Kg-dry	1	7/26/04 4:51:10 PM	JMW
Lead	NELAP	3.77		36.1	mg/Kg-dry	1	7/27/04 12:08:30 PM	SAM
Selenium	NELAP	3.77		< 3.77	mg/Kg-dry	1	7/27/04 12:08:30 PM	SAM
Silver	NELAP	0.94		< 0.94	mg/Kg-dry	1	7/27/04 12:08:30 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.575		1.14	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Acenaphthylene	NELAP	0.575		1.93	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Anthracene	NELAP	0.575		1.03	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Benzo(a)anthracene	NELAP	0.575		2.20	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Benzo(a)pyrene	NELAP	0.575		4.01	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.575		4.45	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.575		1.28	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.575		1.31	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Chrysene	NELAP	0.575		2.75	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.575	J	0.35	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Fluoranthene	NELAP	0.575		3.29	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Fluorene	NELAP	0.575		0.717	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.575		1.23	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Naphthalene	NELAP	0.575		1.82	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Phenanthrene	NELAP	0.575		3.32	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Pyrene	NELAP	0.575		5.74	mg/Kg-dry	5	7/25/04 8:09:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		56.8	%REC	5	7/25/04 8:09:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		46.9	%REC	5	7/25/04 8:09:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		75.0	%REC	5	7/25/04 8:09:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	0.9		4.3	µg/Kg-dry	1	7/24/04 6:35:00 AM	HLR
Toluene	NELAP	4.6	J	3.0	µg/Kg-dry	1	7/24/04 6:35:00 AM	HLR
Ethylbenzene	NELAP	4.6		21.3	µg/Kg-dry	1	7/24/04 6:35:00 AM	HLR
Xylenes, Total	NELAP	4.6		26.4	µg/Kg-dry	1	7/24/04 6:35:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-020
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-2 (1-2)
Collection Date: 7/16/04 8:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122		119	%REC	1	7/24/04 6:35:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		85.8	%REC	1	7/24/04 6:35:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		105	%REC	1	7/24/04 6:35:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	1	7/24/04 6:35:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.091	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.54		3.68	mg/kg-dry	1	7/27/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.91		1	7/19/04 1:42:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-021
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-7 (6-7)
Collection Date: 7/16/04 8:45:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		32.1	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		67.9	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	20.8		268	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Acenaphthylene	NELAP	20.8		34.2	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Anthracene	NELAP	20.8		103	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Benzo(a)anthracene	NELAP	20.8		64.7	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Benzo(a)pyrene	NELAP	20.8		88.2	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Benzo(b)fluoranthene	NELAP	20.8		66.3	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	20.8		25.9	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Benzo(k)fluoranthene	NELAP	20.8		24.9	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Chrysene	NELAP	20.8		73.8	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	20.8	J	11	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Fluoranthene	NELAP	20.8		148	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Fluorene	NELAP	20.8		146	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	20.8		26.7	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Naphthalene	NELAP	104		509	mg/Kg-dry	250	7/27/04 8:54:00 AM	DMH
Phenanthrene	NELAP	20.8		341	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Pyrene	NELAP	20.8		192	mg/Kg-dry	50	7/26/04 5:56:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	50	7/26/04 5:56:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	50	7/26/04 5:56:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	50	7/26/04 5:56:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	317		9030	µg/Kg-dry	100	7/24/04 7:06:00 AM	HLR
Toluene	NELAP	1590		2450	µg/Kg-dry	100	7/24/04 7:06:00 AM	HLR
Ethylbenzene	NELAP	1590		59100	µg/Kg-dry	100	7/24/04 7:06:00 AM	HLR
Xylenes, Total	NELAP	1590		40700	µg/Kg-dry	100	7/24/04 7:06:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		117	%REC	100	7/24/04 7:06:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		91.8	%REC	100	7/24/04 7:06:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		102	%REC	100	7/24/04 7:06:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		99.4	%REC	100	7/24/04 7:06:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-19 (18-19)
Collection Date: 7/16/04 9:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		7.0	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		93.0	%	1	7/22/04	JRS
SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID								
Diesel	NELAP	134		811 #	mg/Kg-dry	25	7/21/04 6:14:00 AM	CJS
Kerosene	NELAP	134		ND	mg/Kg-dry	25	7/21/04 6:14:00 AM	CJS
Mineral Spirits	NELAP	134		ND	mg/Kg-dry	25	7/21/04 6:14:00 AM	CJS
Motor Oil	NELAP	134		ND	mg/Kg-dry	25	7/21/04 6:14:00 AM	CJS
Surr: n-Tetracontane	NELAP	50.6-140	S	0	%REC	25	7/21/04 6:14:00 AM	CJS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	5.51	J	3.0	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Acenaphthylene	NELAP	5.51		26.5	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Anthracene	NELAP	5.51		11.0	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Benzo(a)anthracene	NELAP	5.51		5.77	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Benzo(a)pyrene	NELAP	5.51		6.48	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Benzo(b)fluoranthene	NELAP	5.51	J	4.5	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	5.51	J	2.1	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Benzo(k)fluoranthene	NELAP	5.51	J	1.6	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Chrysene	NELAP	5.51		5.93	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	5.51	J	0.57	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Fluoranthene	NELAP	5.51		12.9	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Fluorene	NELAP	5.51		16.1	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	5.51	J	1.9	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Naphthalene	NELAP	5.51		86.0	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Phenanthrene	NELAP	5.51		38.1	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Pyrene	NELAP	5.51		19.7	mg/Kg-dry	50	7/26/04 6:36:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130	SD	0	%REC	50	7/26/04 6:36:00 PM	DMH
Surr: Nitrobenzene-d5		10-130	SD	0	%REC	50	7/26/04 6:36:00 PM	DMH
Surr: p-Terphenyl-d14		10-130	SD	0	%REC	50	7/26/04 6:36:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	364		29300	µg/Kg-dry	250	7/24/04 7:37:00 AM	HLR
Toluene	NELAP	1820		35100	µg/Kg-dry	250	7/24/04 7:37:00 AM	HLR
Ethylbenzene	NELAP	1820		5730	µg/Kg-dry	250	7/24/04 7:37:00 AM	HLR
Xylenes, Total	NELAP	1820		27600	µg/Kg-dry	250	7/24/04 7:37:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		121	%REC	250	7/24/04 7:37:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		95.1	%REC	250	7/24/04 7:37:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-022
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-19 (18-19)
Collection Date: 7/16/04 9:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		103	%REC	250	7/24/04 7:37:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		101	%REC	250	7/24/04 7:37:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-32 (31-32)
Collection Date: 7/16/04 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		8.7	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		91.3	%	1	7/22/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		7.64	mg/Kg-dry	1	7/27/04 1:47:56 PM	JMW
Barium	NELAP	0.48		13.3	mg/Kg-dry	1	7/27/04 12:13:49 PM	SAM
Cadmium	NELAP	0.19		0.23	mg/Kg-dry	1	7/27/04 12:13:49 PM	SAM
Chromium	NELAP	0.96		9.04	mg/Kg-dry	1	7/26/04 4:54:09 PM	JMW
Lead	NELAP	3.85		8.93	mg/Kg-dry	1	7/27/04 12:13:49 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/27/04 12:13:49 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/27/04 12:13:49 PM	SAM
<u>SW-846 3550B, 8270C, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
1,2,4-Trichlorobenzene	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
1,2-Dichlorobenzene	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
1,3-Dichlorobenzene	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
1,4-Dichlorobenzene	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2,4,5-Trichlorophenol	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2,4,6-Trichlorophenol	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2,4-Dichlorophenol	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2,4-Dimethylphenol	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2,4-Dinitrophenol	NELAP	1.07		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2,4-Dinitrotoluene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2,6-Dinitrotoluene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2-Chloronaphthalene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2-Chlorophenol	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2-Methylnaphthalene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2-Nitroaniline	NELAP	1.07		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
2-Nitrophenol	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
3,3'-Dichlorobenzidine	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
3-Nitroaniline	NELAP	1.07		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
4,6-Dinitro-2-methylphenol	NELAP	1.07		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
4-Bromophenyl phenyl ether	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
4-Chloro-3-methylphenol	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
4-Chloroaniline	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
4-Chlorophenyl phenyl ether	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
4-Nitroaniline	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-32 (31-32)
Collection Date: 7/16/04 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
4-Nitrophenol	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Acenaphthene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Acenaphthylene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Anthracene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Benzo(a)anthracene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Benzo(a)pyrene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Benzo(b)fluoranthene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Benzo(g,h,i)perylene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Benzo(k)fluoranthene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Bis(2-chloroethoxy)methane	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Bis(2-chloroethyl)ether	NELAP	0.486		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Bis(2-chloroisopropyl)ether	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Bis(2-ethylhexyl)phthalate	NELAP	0.373		0.667	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Butyl benzyl phthalate	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Carbazole		0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Chrysene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Di-n-butyl phthalate	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Di-n-octyl phthalate	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Dibenzo(a,h)anthracene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Dibenzofuran	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Diethyl phthalate	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Dimethyl phthalate		0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Fluoranthene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Fluorene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Hexachlorobenzene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Hexachlorobutadiene	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Hexachlorocyclopentadiene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Hexachloroethane	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Indeno(1,2,3-cd)pyrene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Isophorone	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
m,p-Cresol	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
N-Nitroso-di-n-propylamine	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
N-Nitrosodiphenylamine	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Naphthalene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Nitrobenzene	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
o-Cresol	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Pentachlorophenol	NELAP	2.13		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-32 (31-32)
Collection Date: 7/16/04 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Phenanthrene	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Phenol	NELAP	0.373		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Pyrene	NELAP	0.533		ND	mg/Kg-dry	1	7/23/04 6:37:00 AM	SML
Surr: 2,4,6-Tribromophenol		31-123		70.4	%REC	1	7/23/04 6:37:00 AM	SML
Surr: 2-Fluorobiphenyl		14.6-132		80.3	%REC	1	7/23/04 6:37:00 AM	SML
Surr: 2-Fluorophenol		27-111		77.5	%REC	1	7/23/04 6:37:00 AM	SML
Surr: Nitrobenzene-d5		28.9-113		80.9	%REC	1	7/23/04 6:37:00 AM	SML
Surr: p-Terphenyl-d14		25-144		86.5	%REC	1	7/23/04 6:37:00 AM	SML
Surr: Phenol-d5		33.7-123		93.2	%REC	1	7/23/04 6:37:00 AM	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	7/20/04 7:38:00 PM	HLR
1,1,2,2-Tetrachloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
1,1,2-Trichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
1,1-Dichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
1,1-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
1,2-Dichloroethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
1,2-Dichloropropane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
2-Butanone	NELAP	36.0		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
2-Hexanone	NELAP	36.0		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
4-Methyl-2-pentanone	NELAP	36.0		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Acetone	NELAP	36.0	J	32	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Benzene	NELAP	0.7		2.0	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Bromodichloromethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Bromoform	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Bromomethane	NELAP	7.2		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Carbon disulfide	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Carbon tetrachloride	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Chlorobenzene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Chloroethane	NELAP	7.2		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Chloroform	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Chloromethane	NELAP	7.2		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
cis-1,2-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
cis-1,3-Dichloropropene	NELAP	2.9		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Dibromochloromethane	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Ethylbenzene	NELAP	3.6	J	1.4	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Methyl tert-butyl ether	NELAP	1.4		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Methylene chloride	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-023
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B515-32 (31-32)
Collection Date: 7/16/04 9:50:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Styrene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Tetrachloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Toluene	NELAP	3.6	J	2.2	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
trans-1,2-Dichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
trans-1,3-Dichloropropene	NELAP	2.9		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Trichloroethene	NELAP	3.6		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Vinyl chloride	NELAP	1.4		ND	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Xylenes, Total	NELAP	3.6	J	2.4	µg/Kg-dry	1	7/20/04 7:38:00 PM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		119	%REC	1	7/20/04 7:38:00 PM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	73.9	%REC	1	7/20/04 7:38:00 PM	HLR
Surr: Dibromofluoromethane		74.1-121		111	%REC	1	7/20/04 7:38:00 PM	HLR
Surr: Toluene-d8		82.8-112.8		88.3	%REC	1	7/20/04 7:38:00 PM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.010	J	0.007	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 8015, MISCELLANEOUS COMPOUNDS BY GC/FID</u>								
n-Butanol		11		ND	mg/Kg-dry	1	7/23/04 2:17:00 PM	SML
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.89		1	7/19/04 1:44:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-024
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B505-Grab
Collection Date: 7/16/04 9:30:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		5.8	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		94.2	%	1	7/22/04	JRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	2.65		39.6	mg/kg-dry	5	7/27/04	ADH

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-025
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B560-3 (2-3)
Collection Date: 7/16/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		19.2	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		80.8	%	1	7/22/04	JRS
<u>SW-846 3050B, 6010B, METALS BY ICP</u>								
Arsenic	NELAP	2.40		12.5	mg/Kg-dry	1	7/27/04 2:21:55 PM	JMW
Barium	NELAP	0.48		177	mg/Kg-dry	1	7/27/04 12:19:08 PM	SAM
Cadmium	NELAP	0.19		1.38	mg/Kg-dry	1	7/27/04 12:19:08 PM	SAM
Chromium	NELAP	0.96		16.7	mg/Kg-dry	1	7/26/04 4:57:10 PM	JMW
Lead	NELAP	3.85		110	mg/Kg-dry	1	7/27/04 12:19:08 PM	SAM
Selenium	NELAP	3.85		< 3.85	mg/Kg-dry	1	7/27/04 12:19:08 PM	SAM
Silver	NELAP	0.96		< 0.96	mg/Kg-dry	1	7/27/04 12:19:08 PM	SAM
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	0.617	J	0.18	mg/Kg-dry	5	7/27/04 1:04:00 AM	DMH
Acenaphthylene	NELAP	0.617		8.41	mg/Kg-dry	5	7/27/04 1:04:00 AM	DMH
Anthracene	NELAP	0.617		1.32	mg/Kg-dry	5	7/27/04 1:04:00 AM	DMH
Benzo(a)anthracene	NELAP	0.617		8.58	mg/Kg-dry	5	7/27/04 1:04:00 AM	DMH
Benzo(a)pyrene	NELAP	6.17		36.4	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Benzo(b)fluoranthene	NELAP	6.17		27.0	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	6.17		13.3	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Benzo(k)fluoranthene	NELAP	6.17		7.89	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Chrysene	NELAP	6.17		11.1	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Dibenzo(a,h)anthracene	NELAP	6.17	J	4.2	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Fluoranthene	NELAP	6.17		10.6	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Fluorene	NELAP	0.617		0.978	mg/Kg-dry	5	7/27/04 1:04:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	6.17		11.8	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Naphthalene	NELAP	0.617		1.89	mg/Kg-dry	5	7/27/04 1:04:00 AM	DMH
Phenanthrene	NELAP	0.617		3.02	mg/Kg-dry	5	7/27/04 1:04:00 AM	DMH
Pyrene	NELAP	6.17		32.4	mg/Kg-dry	50	7/27/04 9:32:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		54.9	%REC	5	7/27/04 1:04:00 AM	DMH
Surr: Nitrobenzene-d5		10-130		42.7	%REC	5	7/27/04 1:04:00 AM	DMH
Surr: p-Terphenyl-d14		10-130		78.6	%REC	5	7/27/04 1:04:00 AM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	1.1		61.9	µg/Kg-dry	1	7/24/04 8:09:00 AM	HLR
Toluene	NELAP	5.7		12.6	µg/Kg-dry	1	7/24/04 8:09:00 AM	HLR
Ethylbenzene	NELAP	5.7	J	2.3	µg/Kg-dry	1	7/24/04 8:09:00 AM	HLR
Xylenes, Total	NELAP	5.7		6.7	µg/Kg-dry	1	7/24/04 8:09:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-025
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B560-3 (2-3)
Collection Date: 7/16/04 10:40:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: 1,2-Dichloroethane-d4		72.8-122	S	141	%REC	1	7/24/04 8:09:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	62.0	%REC	1	7/24/04 8:09:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121	S	128	%REC	1	7/24/04 8:09:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		90.2	%REC	1	7/24/04 8:09:00 AM	HLR
<u>SW-846 7471A</u>								
Mercury	NELAP	0.012		0.210	mg/Kg-dry	1	7/22/04	SRS
<u>SW-846 9010, 9014</u>								
Cyanide	NELAP	0.58		2.47	mg/kg-dry	1	7/27/04	ADH
<u>SW-846 9045C</u>								
pH (1:1)	NELAP	1.00		7.62		1	7/19/04 1:45:00 PM	EAW

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-026
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B560-5 (4-5)
Collection Date: 7/16/04 11:00:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		20.0	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		80.0	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	1.21	J	0.38	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Acenaphthylene	NELAP	1.21		6.06	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Anthracene	NELAP	1.21		1.24	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Benzo(a)anthracene	NELAP	1.21		7.20	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Benzo(a)pyrene	NELAP	6.03		24.7	mg/Kg-dry	25	7/27/04 10:11:00 AM	DMH
Benzo(b)fluoranthene	NELAP	6.03		20.1	mg/Kg-dry	25	7/27/04 10:11:00 AM	DMH
Benzo(g,h,i)perylene	NELAP	1.21		6.72	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.21		7.54	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Chrysene	NELAP	1.21		8.95	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.21		1.73	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Fluoranthene	NELAP	1.21		7.48	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Fluorene	NELAP	1.21	J	0.55	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.21		5.95	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Naphthalene	NELAP	1.21		2.59	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Phenanthrene	NELAP	1.21		3.15	mg/Kg-dry	5	7/25/04 10:44:00 PM	DMH
Pyrene	NELAP	6.03		22.7	mg/Kg-dry	25	7/27/04 10:11:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		75.9	%REC	5	7/25/04 10:44:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		72.9	%REC	5	7/25/04 10:44:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		88.8	%REC	5	7/25/04 10:44:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	1.0		12.0	µg/Kg-dry	1	7/24/04 8:40:00 AM	HLR
Toluene	NELAP	5.1	J	3.9	µg/Kg-dry	1	7/24/04 8:40:00 AM	HLR
Ethylbenzene	NELAP	5.1	J	1.9	µg/Kg-dry	1	7/24/04 8:40:00 AM	HLR
Xylenes, Total	NELAP	5.1	J	3.9	µg/Kg-dry	1	7/24/04 8:40:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	126	%REC	1	7/24/04 8:40:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	74.9	%REC	1	7/24/04 8:40:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		111	%REC	1	7/24/04 8:40:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		97.1	%REC	1	7/24/04 8:40:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-027
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B560-13 (12-13)
Collection Date: 7/16/04 11:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<u>ASTM D2974</u>								
Percent Moisture		0.1		16.8	%	1	7/22/04	JRS
<u>STANDARD METHODS 18TH ED. 2540 G</u>								
Total Solids		0.1		83.2	%	1	7/22/04	JRS
<u>SW-846 3550B, 8015, TOTAL PETROLEUM HYDROCARBONS (OA-2) BY GC/FID</u>								
Diesel	NELAP	174		2560 #	mg/Kg-dry	5	7/23/04 2:34:00 PM	DMH
Kerosene	NELAP	174		ND	mg/Kg-dry	5	7/23/04 2:34:00 PM	DMH
Mineral Spirits	NELAP	174		ND	mg/Kg-dry	5	7/23/04 2:34:00 PM	DMH
Motor Oil	NELAP	174		633 #	mg/Kg-dry	5	7/23/04 2:34:00 PM	DMH
Surr: n-Tetracontane	NELAP	50.6-140	S	37.0	%REC	5	7/23/04 2:34:00 PM	DMH
<u>SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Acenaphthene	NELAP	17.7		71.5	mg/Kg-dry	50	7/27/04 10:49:00 AM	DMH
Acenaphthylene	NELAP	1.77		6.33	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Anthracene	NELAP	17.7		37.4	mg/Kg-dry	50	7/27/04 10:49:00 AM	DMH
Benzo(a)anthracene	NELAP	1.77		17.2	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Benzo(a)pyrene	NELAP	1.77		21.7	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Benzo(b)fluoranthene	NELAP	1.77		15.5	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	1.77		4.85	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Benzo(k)fluoranthene	NELAP	1.77		5.11	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Chrysene	NELAP	1.77		17.6	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	1.77	J	1.3	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Fluoranthene	NELAP	17.7		41.2	mg/Kg-dry	50	7/27/04 10:49:00 AM	DMH
Fluorene	NELAP	17.7		44.1	mg/Kg-dry	50	7/27/04 10:49:00 AM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	1.77		4.43	mg/Kg-dry	5	7/25/04 7:30:00 PM	DMH
Naphthalene	NELAP	17.7		292	mg/Kg-dry	50	7/27/04 10:49:00 AM	DMH
Phenanthrene	NELAP	17.7		120	mg/Kg-dry	50	7/27/04 10:49:00 AM	DMH
Pyrene	NELAP	17.7		62.9	mg/Kg-dry	50	7/27/04 10:49:00 AM	DMH
Surr: 2-Fluorobiphenyl		10-130		70.9	%REC	5	7/25/04 7:30:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		50.9	%REC	5	7/25/04 7:30:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		78.8	%REC	5	7/25/04 7:30:00 PM	DMH
<u>SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS</u>								
Benzene	NELAP	46.2		86.8	µg/Kg-dry	25	7/25/04 1:12:00 AM	HLR
Toluene	NELAP	231	J	150	µg/Kg-dry	25	7/25/04 1:12:00 AM	HLR
Ethylbenzene	NELAP	2310		18600	µg/Kg-dry	250	7/26/04 6:32:00 AM	HLR
Xylenes, Total	NELAP	231		19100	µg/Kg-dry	25	7/25/04 1:12:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		113	%REC	25	7/25/04 1:12:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		93.9	%REC	25	7/25/04 1:12:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

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

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-027
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B560-13 (12-13)
Collection Date: 7/16/04 11:15:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
Surr: Dibromofluoromethane		74.1-121		97.0	%REC	25	7/25/04 1:12:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		100	%REC	25	7/25/04 1:12:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-028
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B560-20 (19-20)
Collection Date: 7/16/04 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	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		89.3	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.113	J	0.014	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Acenaphthylene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Anthracene	NELAP	0.113	J	0.014	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Benzo(a)anthracene	NELAP	0.113	J	0.019	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Benzo(a)pyrene	NELAP	0.113	J	0.018	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.113	J	0.015	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Chrysene	NELAP	0.113	J	0.019	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Fluoranthene	NELAP	0.113	J	0.029	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Fluorene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.113		ND	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Naphthalene	NELAP	0.113	J	0.057	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Phenanthrene	NELAP	0.113	J	0.050	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Pyrene	NELAP	0.113	J	0.044	mg/Kg-dry	1	7/22/04 10:58:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		65.6	%REC	1	7/22/04 10:58:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		48.1	%REC	1	7/22/04 10:58:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		80.4	%REC	1	7/22/04 10:58:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		10.4	µg/Kg-dry	1	7/24/04 9:42:00 AM	HLR
Toluene	NELAP	3.9		6.1	µg/Kg-dry	1	7/24/04 9:42:00 AM	HLR
Ethylbenzene	NELAP	3.9	J	2.1	µg/Kg-dry	1	7/24/04 9:42:00 AM	HLR
Xylenes, Total	NELAP	3.9		4.5	µg/Kg-dry	1	7/24/04 9:42:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	131	%REC	1	7/24/04 9:42:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	68.6	%REC	1	7/24/04 9:42:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		114	%REC	1	7/24/04 9:42:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		85.3	%REC	1	7/24/04 9:42:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-029
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B560-20D (19-20)
Collection Date: 7/16/04 11:35:00 AM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		12.2	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		87.8	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.115	J	0.028	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Acenaphthylene	NELAP	0.115		ND	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Anthracene	NELAP	0.115	J	0.027	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Benzo(a)anthracene	NELAP	0.115	J	0.028	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Benzo(a)pyrene	NELAP	0.115	J	0.030	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.115	J	0.023	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.115	J	0.015	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.115		ND	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Chrysene	NELAP	0.115	J	0.026	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.115		ND	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Fluoranthene	NELAP	0.115	J	0.043	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Fluorene	NELAP	0.115	J	0.017	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.115		ND	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Naphthalene	NELAP	0.115	J	0.10	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Phenanthrene	NELAP	0.115	J	0.085	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Pyrene	NELAP	0.115	J	0.067	mg/Kg-dry	1	7/23/04 12:09:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		63.0	%REC	1	7/23/04 12:09:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		59.4	%REC	1	7/23/04 12:09:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		71.9	%REC	1	7/23/04 12:09:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.8		2.6	µg/Kg-dry	1	7/24/04 10:13:00 AM	HLR
Toluene	NELAP	4.1	J	2.0	µg/Kg-dry	1	7/24/04 10:13:00 AM	HLR
Ethylbenzene	NELAP	4.1	J	1.0	µg/Kg-dry	1	7/24/04 10:13:00 AM	HLR
Xylenes, Total	NELAP	4.1	J	1.6	µg/Kg-dry	1	7/24/04 10:13:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122		118	%REC	1	7/24/04 10:13:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120		81.5	%REC	1	7/24/04 10:13:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		103	%REC	1	7/24/04 10:13:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		97.8	%REC	1	7/24/04 10:13:00 AM	HLR

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

Laboratory Results

CLIENT: Philip Environmental
WorkOrder: 04070448
Lab ID: 04070448-030
Report Date: 11-Aug-04

Client Project: A831-735002-012901-225/IP Champa
Client Sample ID: B560-28 (27-28)
Collection Date: 7/16/04 12:00:00 PM
Matrix: SOLID

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
ASTM D2974								
Percent Moisture		0.1		8.6	%	1	7/22/04	JRS
STANDARD METHODS 18TH ED. 2540 G								
Total Solids		0.1		91.4	%	1	7/22/04	JRS
SW-846 3550B, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Acenaphthene	NELAP	0.109	J	0.065	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Acenaphthylene	NELAP	0.109	J	0.011	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Anthracene	NELAP	0.109	J	0.065	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Benzo(a)anthracene	NELAP	0.109	J	0.068	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Benzo(a)pyrene	NELAP	0.109	J	0.055	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Benzo(b)fluoranthene	NELAP	0.109	J	0.051	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Benzo(g,h,i)perylene	NELAP	0.109	J	0.024	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Benzo(k)fluoranthene	NELAP	0.109	J	0.012	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Chrysene	NELAP	0.109	J	0.048	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Dibenzo(a,h)anthracene	NELAP	0.109		ND	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Fluoranthene	NELAP	0.109	J	0.091	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Fluorene	NELAP	0.109	J	0.059	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Indeno(1,2,3-cd)pyrene	NELAP	0.109	J	0.016	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Naphthalene	NELAP	0.109		0.197	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Phenanthrene	NELAP	0.109		0.205	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Pyrene	NELAP	0.109		0.136	mg/Kg-dry	1	7/23/04 12:49:00 PM	DMH
Surr: 2-Fluorobiphenyl		10-130		60.4	%REC	1	7/23/04 12:49:00 PM	DMH
Surr: Nitrobenzene-d5		10-130		43.4	%REC	1	7/23/04 12:49:00 PM	DMH
Surr: p-Terphenyl-d14		10-130		72.5	%REC	1	7/23/04 12:49:00 PM	DMH
SW-846 5035, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.7		2.3	µg/Kg-dry	1	7/24/04 10:44:00 AM	HLR
Toluene	NELAP	3.7	J	2.8	µg/Kg-dry	1	7/24/04 10:44:00 AM	HLR
Ethylbenzene	NELAP	3.7	J	2.2	µg/Kg-dry	1	7/24/04 10:44:00 AM	HLR
Xylenes, Total	NELAP	3.7		3.9	µg/Kg-dry	1	7/24/04 10:44:00 AM	HLR
Surr: 1,2-Dichloroethane-d4		72.8-122	S	127	%REC	1	7/24/04 10:44:00 AM	HLR
Surr: 4-Bromofluorobenzene		75.6-120	S	72.7	%REC	1	7/24/04 10:44:00 AM	HLR
Surr: Dibromofluoromethane		74.1-121		111	%REC	1	7/24/04 10:44:00 AM	HLR
Surr: Toluene-d8		82.8-112.8		89.6	%REC	1	7/24/04 10:44:00 AM	HLR