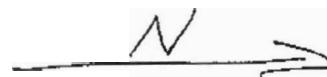
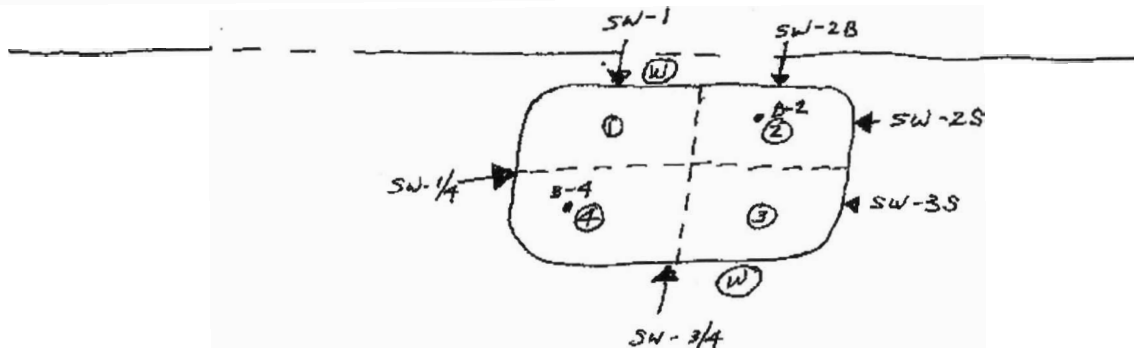


12-11-2001 12:53PM FROM

P. 2



KNIGHTON



RT 155 KARNER RD

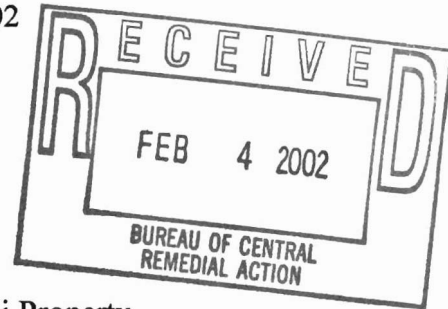
LUCASVILLE SITE



William C. Hennessy, Jr. P.E.

January 31, 2002

Mr. Kevin Sarnowicz
Environmental Engineer
Bureau of Central Remedial Action
NYS Dept. of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7016



Re: Lucarelli Property
Karner Road
Town of Colonie, NY

Dear Mr. Sarnowicz:

We received the analytical information from the two test pits and surface soil samples obtained during the December, 2001 investigation. Attached is a copy. Our data validator is reviewing it now for the Data Usability Summary Report (DUSR).

The only compounds detected exceeding the TAGM guidance were semi-volatiles found in Test Pit #2 and were as follows:

<u>Compound</u>	<u>Concentration (PPB)</u>	<u>TAGM (PPB)</u>
Benzo(a)anthracene	730	224
Chrysene	770	400
Benzo(b)flouranthene	780	1100
Benzo(k)flouranthene	640	1100
Benzo(a)pyrene	680	61

These results are subject to validity from the DUSR and we will include it all in our report.

Please call me if you any questions or comments.

Sincerely,

William C. Hennessy, Jr. P.E.

Cc: Joe Lucarelli
John Johnson, Precision Environmental

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-1

Lab Name: AES, Inc. Contract:
 Lab Code: AES Case No.: PE0103 SAS No.:
 Matrix: (soil/water) SOIL Lab Sample ID: SS-124-1
 Sample wt/vol: 5.000 (g/mL) G Lab File ID: C2696
 Level: (low/med) LOW Date Received: 12/04/01
 % Moisture: not dec. 23. Date Analyzed: 12/05/01
 GC Column: RTX502.2 ID: .32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO. COMPOUND Q

74-87-3	-----Chloromethane	13.	U
74-83-9	-----Bromomethane	13.	U
75-01-4	-----Vinyl Chloride	13.	U
75-00-3	-----Chloroethane	13.	U
75-09-2	-----Methylene Chloride	6.	U
67-64-1	-----Acetone	13.	U
75-15-0	-----Carbon Disulfide	6.	U
75-35-4	-----1,1-Dichloroethene	6.	U
75-34-3	-----1,1-Dichloroethane	6.	U
156-60-5	-----1,2-Dichloroethene-trans	6.	U
67-66-3	-----Chloroform	6.	U
107-06-2	-----1,2-Dichloroethane	6.	U
78-93-3	-----2-Butanone	13.	U
71-55-6	-----1,1,1-Trichloroethane	6.	U
56-23-5	-----Carbon Tetrachloride	6.	U
75-27-4	-----Bromodichloromethane	6.	U
78-87-5	-----1,2-Dichloropropane	6.	U
10061-01-5	-----cis-1,3-Dichloropropene	6.	U
79-01-6	-----Trichloroethene	6.	U
124-48-1	-----Dibromochloromethane	6.	U
79-00-5	-----1,1,2-Trichloroethane	6.	U
71-43-2	-----Benzene	6.	U
10061-02-6	-----trans-1,3-Dichloropropene	6.	U
75-25-2	-----Bromoform	6.	U
108-10-1	-----4-Methyl-2-Pentanone	13.	U
591-78-6	-----2-Hexanone	13.	U
127-18-4	-----Tetrachloroethene	6.	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6.	U
108-88-3	-----Toluene	6.	U
108-90-7	-----Chlorobenzene	6.	U
100-41-4	-----Ethylbenzene	6.	U
100-42-5	-----Styrene	6.	U
156-59-2	-----1,2-Dichloroethene-cis	6.	U
106-42-3	-----m,p-Xylenes	6.	U
95-47-6	-----o-Xylene	6.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-1

Lab Name: AES, Inc.	Contract:	
Lab Code: AES	Case No.: PE0103	SAS No.:
Matrix: (soil/water) SOIL		SDG No.: B-2
Sample wt/vol: 30.0 (g/mL) G		Lab Sample ID: SS-124-1
Level: (low/med) LOW		Lab File ID: B0078
% Moisture: 13. decanted: (Y/N) N		Date Received: 12/04/01
Concentrated Extract Volume: 1000.0 (uL)		Date Extracted: 12/05/01
Injection Volume: 1.0 (uL)		Date Analyzed: 01/06/02
GPC Cleanup: (Y/N) N	pH: 6.4	Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
108-95-2	Phenol	380.	U
111-44-4	bis(2-Chloroethyl)ether	380.	U
95-57-8	2-Chlorophenol	380.	U
541-73-1	1,3-Dichlorobenzene	380.	U
106-46-7	1,4-Dichlorobenzene	380.	U
95-50-1	1,2-Dichlorobenzene	380.	U
95-48-7	2-Methylphenol	380.	U
108-60-1	bis(2-chloroisopropyl)ether	380.	U
106-44-5	4-Methylphenol	380.	U
621-64-7	n-Nitroso-di-n-propylamine	380.	U
67-72-1	Hexachloroethane	380.	U
98-95-3	Nitrobenzene	380.	U
78-59-1	Isophorone	380.	U
88-75-5	2-Nitrophenol	380.	U
105-67-9	2,4-Dimethylphenol	380.	U
111-91-1	bis(2-Chloroethoxy)methane	380.	U
120-83-2	2,4-Dichlorophenol	380.	U
120-82-1	1,2,4-Trichlorobenzene	380.	U
91-20-3	Naphthalene	380.	U
106-47-8	4-Chloroaniline	380.	U
87-68-3	Hexachlorobutadiene	380.	U
59-50-7	4-Chloro-3-methylphenol	380.	U
91-57-6	2-Methylnaphthalene	380.	U
77-47-4	Hexachlorocyclopentadiene	380.	U
88-06-2	2,4,6-Trichlorophenol	380.	U
95-95-4	2,4,5-Trichlorophenol	380.	U
91-58-7	2-Chloronaphthalene	380.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	380.	U
208-96-8	Acenaphthylene	380.	U
606-20-2	2,6-Dinitrotoluene	380.	U
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	380.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-1

Lab Name: AES, Inc.	Contract:	
Lab Code: AES	Case No.: PE0103	SAS No.:
Matrix: (soil/water) SOIL		SDG No.: B-2
Sample wt/vol: 30.0 (g/mL) G		Lab Sample ID: SS-124-1
Level: (low/med) LOW		Lab File ID: B0078
% Moisture: 13. decanted: (Y/N) N		Date Received: 12/04/01
Concentrated Extract Volume: 1000.0 (uL)		Date Extracted: 12/05/01
Injection Volume: 1.0 (uL)		Date Analyzed: 01/06/02
SPC Cleanup: (Y/N) N	pH: 6.4	Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	1900.	U
100-02-7-----	4-Nitrophenol	1900.	U
132-64-9-----	Dibenzofuran	380.	U
121-14-2-----	2,4-Dinitrotoluene	380.	U
84-66-2-----	Diethylphthalate	380.	U
7005-72-3-----	4-Chlorophenyl-phenylether	380.	U
86-73-7-----	Fluorene	380.	U
100-01-6-----	4-Nitroaniline	1900.	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6-----	n-Nitrosodiphenylamine	380.	U
101-55-3-----	4-Bromophenyl-phenylether	380.	U
118-74-1-----	Hexachlorobenzene	380.	U
87-86-5-----	Pentachlorophenol	1900.	U
85-01-8-----	Phenanthrene	380.	U
120-12-7-----	Anthracene	380.	U
86-74-8-----	Carbazole	380.	U
84-74-2-----	Di-n-butylphthalate	380.	U
206-44-0-----	Fluoranthene	380.	U
129-00-0-----	Pyrene	380.	U
85-68-7-----	Butylbenzylphthalate	380.	U
91-94-1-----	3,3'-Dichlorobenzidine	770.	U
56-55-3-----	Benzo(a)anthracene	380.	U
218-01-9-----	Chrysene	380.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	380.	U
117-84-0-----	Di-n-octylphthalate	380.	U
205-99-2-----	Benzo(b)fluoranthene	380.	U
207-08-9-----	Benzo(k)fluoranthene	380.	U
50-32-8-----	Benzo(a)pyrene	380.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	380.	U
53-70-3-----	Dibenzo(a,h)anthracene	380.	U
191-24-2-----	Benzo(g,h,i)perylene	380.	U

(1) - Cannot be separated from diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-1

Lab Name: AES

Contract: PE

Lab Code: AES

Case No. 0103

SAS No.:

SDG No.: B-2

Matrix: (soil/water) SOIL

Lab Sample ID: SS-124-1

Sample wt/vol: 30.0 (g/ml)G

Lab File ID:

% Moisture: 13 decanted: (Y/N) N

Date Received: 12/04/01

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/05/01

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/06/01

Injection Volume: 1.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 6.4

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC(Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	1.5	JP
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.8	U
7421-36-3	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-1

b Name: AES, INC.

Contract:

b Code: AES

Case No.: PE0103

SAS No.:

SDG No.: B-2

Matrix: (soil/water) SOIL

Lab Sample ID: SS-124-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 011204 AT03

Level: (low/med) LOW

Date Received: 12/04/01

Moisture: not dec. 13. dec. _____

Date Extracted: 12/05/01

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 12/06/01

PC Cleanup: (Y/N) N pH: 6.4

Dilution Factor: 1.00

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

12674-11-2-----Arochlor-1016	38.	U
11104-28-2-----Arochlor-1221	38.	U
11141-16-5-----Arochlor-1232	38.	U
53469-21-9-----Arochlor-1242	38.	U
12672-29-6-----Arochlor-1248	38.	U
11097-69-1-----Arochlor-1254	38.	U
11096-82-5-----Arochlor-1260	38.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-2

Lab Name: AES, Inc. Contract: _____
 Lab Code: AES Case No.: PE0103 SAS No.: _____
 Matrix: (soil/water) SOIL Lab Sample ID: SS-124-2
 Sample wt/vol: 5.000 (g/mL) G Lab File ID: C2697
 Level: (low/med) LOW Date Received: 12/04/01
 Moisture: not dec. 15. Date Analyzed: 12/05/01
 GC Column: RTX502.2 ID: .32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	-----Chloromethane	12.	U
74-83-9	-----Bromomethane	12.	U
75-01-4	-----Vinyl Chloride	12.	U
75-00-3	-----Chloroethane	12.	U
75-09-2	-----Methylene Chloride	6.	U
67-64-1	-----Acetone	12.	U
75-15-0	-----Carbon Disulfide	6.	U
75-35-4	-----1,1-Dichloroethene	6.	U
75-34-3	-----1,1-Dichloroethane	6.	U
156-60-5	-----1,2-Dichloroethene-trans	6.	U
67-66-3	-----Chloroform	6.	U
107-06-2	-----1,2-Dichloroethane	6.	U
78-93-3	-----2-Butanone	12.	U
71-55-6	-----1,1,1-Trichloroethane	6.	U
56-23-5	-----Carbon Tetrachloride	6.	U
75-27-4	-----Bromodichloromethane	6.	U
78-87-5	-----1,2-Dichloropropane	6.	U
10061-01-5	-----cis-1,3-Dichloropropene	6.	U
79-01-6	-----Trichloroethene	6.	U
124-48-1	-----Dibromochloromethane	6.	U
79-00-5	-----1,1,2-Trichloroethane	6.	U
71-43-2	-----Benzene	6.	U
10061-02-6	-----trans-1,3-Dichloropropene	6.	U
75-25-2	-----Bromoform	6.	U
108-10-1	-----4-Methyl-2-Pentanone	12.	U
591-78-6	-----2-Hexanone	12.	U
127-18-4	-----Tetrachloroethene	6.	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6.	U
108-88-3	-----Toluene	6.	U
108-90-7	-----Chlorobenzene	6.	U
100-41-4	-----Ethylbenzene	6.	U
100-42-5	-----Styrene	6.	U
156-59-2	-----1,2-Dichloroethene-cis	6.	U
106-42-3	-----m,p-Xylenes	6.	U
95-47-6	-----o-Xylene	6.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-2

Lab Name: AES, Inc. Contract: _____
 Lab Code: AES Case No.: PE0103 SAS No.: _____ SDG No.: B-2
 Matrix: (soil/water) SOIL Lab Sample ID: SS-124-2
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B0079
 Level: (low/med) LOW Date Received: 12/04/01
 % Moisture: 15. decanted: (Y/N) N Date Extracted: 12/05/01
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/06/02
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 SPC Cleanup: (Y/N) N pH: 7.8

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	390.	U
111-44-4-----	bis(2-Chloroethyl) ether	390.	U
95-57-8-----	2-Chlorophenol	390.	U
541-73-1-----	1,3-Dichlorobenzene	390.	U
106-46-7-----	1,4-Dichlorobenzene	390.	U
95-50-1-----	1,2-Dichlorobenzene	390.	U
95-48-7-----	2-Methylphenol	390.	U
108-60-1-----	bis(2-chloroisopropyl) ether	390.	U
106-44-5-----	4-Methylphenol	390.	U
621-64-7-----	n-Nitroso-di-n-propylamine	390.	U
67-72-1-----	Hexachloroethane	390.	U
98-95-3-----	Nitrobenzene	390.	U
78-59-1-----	Isophorone	390.	U
88-75-5-----	2-Nitrophenol	390.	U
105-67-9-----	2,4-Dimethylphenol	390.	U
111-91-1-----	bis(2-Chloroethoxy)methane	390.	U
120-83-2-----	2,4-Dichlorophenol	390.	U
120-82-1-----	1,2,4-Trichlorobenzene	390.	U
91-20-3-----	Naphthalene	390.	U
106-47-8-----	4-Chloroaniline	390.	U
87-68-3-----	Hexachlorobutadiene	390.	U
59-50-7-----	4-Chloro-3-methylphenol	390.	U
91-57-6-----	2-Methylnaphthalene	390.	U
77-47-4-----	Hexachlorocyclopentadiene	390.	U
88-06-2-----	2,4,6-Trichlorophenol	390.	U
95-95-4-----	2,4,5-Trichlorophenol	390.	U
91-58-7-----	2-Chloronaphthalene	390.	U
88-74-4-----	2-Nitroaniline	2000.	U
131-11-3-----	Dimethylphthalate	390.	U
208-96-8-----	Acenaphthylene	390.	U
606-20-2-----	2,6-Dinitrotoluene	390.	U
99-09-2-----	3-Nitroaniline	2000.	U
83-32-9-----	Acenaphthene	390.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-2

Lab Name: AES, Inc.	Contract:	
Lab Code: AES	Case No.: PE0103	SAS No.:
Matrix: (soil/water) SOIL		SDG No.: B-2
Sample wt/vol: 30.0 (g/mL) G		Lab Sample ID: SS-124-2
Level: (low/med) LOW		Lab File ID: B0079
% Moisture: 15. decanted: (Y/N) N		Date Received: 12/04/01
Concentrated Extract Volume: 1000.0 (uL)		Date Extracted: 12/05/01
Injection Volume: 1.0 (uL)		Date Analyzed: 01/06/02
GPC Cleanup: (Y/N) N	pH: 7.8	Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS; (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	2000.	U
100-02-7-----	4-Nitrophenol	2000.	U
132-64-9-----	Dibenzofuran	390.	U
121-14-2-----	2,4-Dinitrotoluene	390.	U
84-66-2-----	Diethylphthalate	390.	U
7005-72-3-----	4-Chlorophenyl-phenylether	390.	U
86-73-7-----	Fluorene	390.	U
100-01-6-----	4-Nitroaniline	2000.	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2000.	U
86-30-6-----	n-Nitrosodiphenylamine	390.	U
101-55-3-----	4-Bromophenyl-phenylether	390.	U
118-74-1-----	Hexachlorobenzene	390.	U
87-86-5-----	Pentachlorophenol	2000.	U
85-01-8-----	Phenanthrene	390.	U
120-12-7-----	Anthracene	390.	U
86-74-8-----	Carbazole	390.	U
84-74-2-----	Di-n-butylphthalate	390.	U
206-44-0-----	Fluoranthene	390.	U
129-00-0-----	Pyrene	390.	U
85-68-7-----	Butylbenzylphthalate	390.	U
91-94-1-----	3,3'-Dichlorobenzidine	780.	U
56-55-3-----	Benzo (a) anthracene	390.	U
218-01-9-----	Chrysene	390.	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	43.	J
117-84-0-----	Di-n-octylphthalate	390.	U
205-99-2-----	Benzo (b) fluoranthene	390.	U
207-08-9-----	Benzo (k) fluoranthene	390.	U
50-32-8-----	Benzo (a) pyrene	390.	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	390.	U
53-70-3-----	Dibenzo (a,h) anthracene	390.	U
191-24-2-----	Benzo (g,h,i) perylene	390.	U

(1) - Cannot be separated from diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-2

Lab Name: AES

Contract: PE

Lab Code: AES

Case No. 0103

SAS No.:

SDG No.: B-2

Matrix: (soil/water) SOIL

Lab Sample ID: SS-124-2

Sample wt/vol: 30.0 (g/ml) G

Lab File ID:

% Moisture: 15 decanted: (Y/N) N

Date Received: 12/04/01

Extraction: (SepF/Cont/Sonc) SONC

Date Extracted: 12/05/01

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/06/01

Injection Volume: 1.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.8

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC(Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	0.52	JP
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0	U
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200.	U

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SS-124-2

Lab Name: AES, INC.

Contract:

Lab Code: AES

Case No.: PE0103

SAS No.:

SDG No.: B-2

Matrix: (soil/water) SOIL

Lab Sample ID: SS-124-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 011204 AT04

Level: (low/med) LOW

Date Received: 12/04/01

Moisture: not dec. 15. dec. _____

Date Extracted: 12/05/01

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 12/06/01

PC Cleanup: (Y/N) N

pH: 7.8

Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

12674-11-2-----	Arochlor-1016	39.	U
11104-28-2-----	Arochlor-1221	39.	U
11141-16-5-----	Arochlor-1232	39.	U
53469-21-9-----	Arochlor-1242	39.	U
12672-29-6-----	Arochlor-1248	39.	U
11097-69-1-----	Arochlor-1254	39.	U
11096-82-5-----	Arochlor-1260	39.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-1

Lab Name: AES, Inc. Contract:
 Lab Code: AES Case No.: PE0103 SAS No.: SDG No.: B-2
 Matrix: (soil/water) SOIL Lab Sample ID: TP-124-1
 Sample wt/vol: 5.000 (g/mL) G Lab File ID: C2694
 Level: (low/med) LOW Date Received: 12/04/01
 % Moisture: not dec. 10. Date Analyzed: 12/05/01
 GC Column: RTX502.2 ID: .32 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	11.	U
74-83-9	-----Bromomethane	11.	U
75-01-4	-----Vinyl Chloride	11.	U
75-00-3	-----Chloroethane	11.	U
75-09-2	-----Methylene Chloride	6.	U
67-64-1	-----Acetone	11.	U
75-15-0	-----Carbon Disulfide	6.	U
75-35-4	-----1,1-Dichloroethene	6.	U
75-34-3	-----1,1-Dichloroethane	6.	U
156-60-5	-----1,2-Dichloroethene-trans	6.	U
67-66-3	-----Chloroform	6.	U
107-06-2	-----1,2-Dichloroethane	6.	U
78-93-3	-----2-Butanone	11.	U
71-55-6	-----1,1,1-Trichloroethane	6.	U
56-23-5	-----Carbon Tetrachloride	6.	U
75-27-4	-----Bromodichloromethane	6.	U
78-87-5	-----1,2-Dichloropropane	6.	U
10061-01-5	-----cis-1,3-Dichloropropene	6.	U
79-01-6	-----Trichloroethene	6.	U
124-48-1	-----Dibromochloromethane	6.	U
79-00-5	-----1,1,2-Trichloroethane	6.	U
71-43-2	-----Benzene	6.	U
10061-02-6	-----trans-1,3-Dichloropropene	6.	U
75-25-2	-----Bromoform	6.	U
108-10-1	-----4-Methyl-2-Pentanone	11.	U
591-78-6	-----2-Hexanone	11.	U
127-18-4	-----Tetrachloroethene	6.	U
79-34-5	-----1,1,2,2-Tetrachloroethane	6.	U
108-88-3	-----Toluene	6.	U
108-90-7	-----Chlorobenzene	6.	U
100-41-4	-----Ethylbenzene	6.	U
100-42-5	-----Styrene	6.	U
156-59-2	-----1,2-Dichloroethene-cis	6.	U
106-42-3	-----m,p-Xylenes	6.	U
95-47-6	-----o-Xylene	6.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-1

Lab Name: AES, Inc. Contract:
 Lab Code: AES Case No.: PE0103 SAS No.: SDG No.: B-2
 Matrix: (soil/water) SOIL Lab Sample ID: TP-124-1
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B0076
 Level: (low/med) LOW Date Received: 12/04/01
 % Moisture: 10. decanted: (Y/N) N Date Extracted: 12/05/01
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/06/02
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370.	U
111-44-4	bis(2-Chloroethyl) ether	370.	U
95-57-8	2-Chlorophenol	370.	U
541-73-1	1,3-Dichlorobenzene	370.	U
106-46-7	1,4-Dichlorobenzene	370.	U
95-50-1	1,2-Dichlorobenzene	370.	U
95-48-7	2-Methylphenol	370.	U
108-60-1	bis(2-chloroisopropyl) ether	370.	U
106-44-5	4-Methylphenol	370.	U
621-64-7	n-Nitroso-di-n-propylamine	370.	U
67-72-1	Hexachloroethane	370.	U
98-95-3	Nitrobenzene	370.	U
78-59-1	Isophorone	370.	U
88-75-5	2-Nitrophenol	370.	U
105-67-9	2,4-Dimethylphenol	370.	U
111-91-1	bis(2-Chloroethoxy) methane	370.	U
120-83-2	2,4-Dichlorophenol	370.	U
120-82-1	1,2,4-Trichlorobenzene	370.	U
91-20-3	Naphthalene	370.	U
106-47-8	4-Chloroaniline	370.	U
87-68-3	Hexachlorobutadiene	370.	U
59-50-7	4-Chloro-3-methylphenol	370.	U
91-57-6	2-Methylnaphthalene	370.	U
77-47-4	Hexachlorocyclopentadiene	370.	U
88-06-2	2,4,6-Trichlorophenol	370.	U
95-95-4	2,4,5-Trichlorophenol	370.	U
91-58-7	2-Chloronaphthalene	370.	U
88-74-4	2-Nitroaniline	1900.	U
131-11-3	Dimethylphthalate	370.	U
208-96-8	Acenaphthylene	370.	U
606-20-2	2,6-Dinitrotoluene	370.	U
99-09-2	3-Nitroaniline	1900.	U
83-32-9	Acenaphthene	370.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-1

Lab Name: AES, Inc.	Contract:	
Lab Code: AES	Case No.: PE0103	SAS No.:
Matrix: (soil/water) SOIL		SDG No.: B-2
Sample wt/vol: 30.0 (g/mL) G		Lab Sample ID: TP-124-1
Level: (low/med) LOW		Lab File ID: B0076
% Moisture: 10. decanted: (Y/N) N		Date Received: 12/04/01
Concentrated Extract Volume: 1000.0 (uL)		Date Extracted: 12/05/01
Injection Volume: 1.0 (uL)		Date Analyzed: 01/06/02
GPC Cleanup: (Y/N) N	pH: 8.5	Dilution Factor: 1.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5-----	2,4-Dinitrophenol	1900.	U
100-02-7-----	4-Nitrophenol	1900.	U
132-64-9-----	Dibenzofuran	370.	U
121-14-2-----	2,4-Dinitrotoluene	370.	U
84-66-2-----	Diethylphthalate	370.	U
7005-72-3-----	4-Chlorophenyl-phenylether	370.	U
86-73-7-----	Fluorene	370.	U
100-01-6-----	4-Nitroaniline	1900.	U
534-52-1-----	4,6-Dinitro-2-methylphenol	1900.	U
86-30-6-----	n-Nitrosodiphenylamine	370.	U
101-55-3-----	4-Bromophenyl-phenylether	370.	U
118-74-1-----	Hexachlorobenzene	370.	U
87-86-5-----	Pentachlorophenol	1900.	U
85-01-8-----	Phenanthrene	370.	U
120-12-7-----	Anthracene	370.	U
86-74-8-----	Carbazole	370.	U
84-74-2-----	Di-n-butylphthalate	370.	U
206-44-0-----	Fluoranthene	83.	J
129-00-0-----	Pyrene	87.	J
85-68-7-----	Butylbenzylphthalate	370.	U
91-94-1-----	3,3'-Dichlorobenzidine	740.	U
56-55-3-----	Benzo(a)anthracene	50.	J
218-01-9-----	Chrysene	48.	J
117-81-7-----	bis(2-Ethylhexyl)phthalate	56.	J
117-84-0-----	Di-n-octylphthalate	370.	U
205-99-2-----	Benzo(b)fluoranthene	45.	J
207-08-9-----	Benzo(k)fluoranthene	52.	J
50-32-8-----	Benzo(a)pyrene	370.	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	370.	U
53-70-3-----	Dibenzo(a,h)anthracene	370.	U
191-24-2-----	Benzo(g,h,i)perylene	370.	U

(1) - Cannot be separated from diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-1

Lab Name: AES

Contract: PE

Lab Code: AES

Case No. 0103

SAS No.:

SDG No.: B-2

Matrix: (soil/water)SOIL

Lab Sample ID: TP-124-1

Sample wt/vol: 30.0 (g/ml)G

Lab File ID:

% Moisture: 10 decanted: (Y/N) N

Date Received: 12/04/01

Extraction: (SepF/Cont/Sonc)SONC

Date Extracted: 12/05/01

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/06/01

Injection Volume: 1.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N)N

pH: 8.5

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC(Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	0.16	JP
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	0.33	JP
72-55-9	4,4'-DDE	3.4	J
72-20-8	Endrin	0.89	JP
33213-65-9	Endosulfan II	3.7	U
72-54-8	4,4'-DDD	2.3	JP
1031-07-8	Endosulfan sulfate	3.7	U
50-29-3	4,4'-DDT	12.	
72-43-5	Methoxychlor	19.	U
53494-70-5	Endrin ketone	3.7	U
7421-36-3	Endrin aldehyde	3.7	U
5103-71-9	alpha-Chlordane	0.57	J
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	190.	U

1D
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-1

Lab Name: AES, INC.

Contract:

Lab Code: AES

Case No.: PE0103

SAS No.:

SDG No.: B-2

Matrix: (soil/water) SOIL

Lab Sample ID: TP-124-1

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 011204 AT01

Level: (low/med) LOW

Date Received: 12/04/01

Moisture: not dec. 10. dec. _____

Date Extracted: 12/05/01

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 12/06/01

PC Cleanup: (Y/N) N

pH: 8.5

Dilution Factor: 1.00

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2-----	Arochlor-1016	37.	U
11104-28-2-----	Arochlor-1221	37.	U
11141-16-5-----	Arochlor-1232	37.	U
53469-21-9-----	Arochlor-1242	37.	U
12672-29-6-----	Arochlor-1248	37.	U
11097-69-1-----	Arochlor-1254	36.	J
11096-82-5-----	Arochlor-1260	37.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-2

Lab Name: AES, Inc.	Contract:	
Lab Code: AES	Case No.: PE0103	SAS No.:
Matrix: (soil/water) SOIL		SDG No.: B-2
Sample wt/vol: 5.000 (g/mL) G		Lab Sample ID: TP-124-2
Level: (low/med) LOW		Lab File ID: C2695
% Moisture: not dec. 24.		Date Received: 12/04/01
GC Column: RTX502.2 ID: .32 (mm)		Date Analyzed: 12/05/01
Soil Extract Volume: _____ (uL)		Dilution Factor: 1.0
		Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13.	U
74-83-9	Bromomethane	13.	U
75-01-4	Vinyl Chloride	13.	U
75-00-3	Chloroethane	13.	U
75-09-2	Methylene Chloride	7.	U
67-64-1	Acetone	13.	U
75-15-0	Carbon Disulfide	7.	U
75-35-4	1,1-Dichloroethene	7.	U
75-34-3	1,1-Dichloroethane	7.	U
156-60-5	1,2-Dichloroethene-trans	7.	U
67-66-3	Chloroform	7.	U
107-06-2	1,2-Dichloroethane	7.	U
78-93-3	2-Butanone	13.	U
71-55-6	1,1,1-Trichloroethane	7.	U
56-23-5	Carbon Tetrachloride	7.	U
75-27-4	Bromodichloromethane	7.	U
78-87-5	1,2-Dichloropropane	7.	U
10061-01-5	cis-1,3-Dichloropropene	7.	U
79-01-6	Trichloroethene	7.	U
124-48-1	Dibromochloromethane	7.	U
79-00-5	1,1,2-Trichloroethane	7.	U
71-43-2	Benzene	7.	U
10061-02-6	trans-1,3-Dichloropropene	7.	U
75-25-2	Bromoform	7.	U
108-10-1	4-Methyl-2-Pentanone	13.	U
591-78-6	2-Hexanone	13.	U
127-18-4	Tetrachloroethene	7.	U
79-34-5	1,1,2,2-Tetrachloroethane	7.	U
108-88-3	Toluene	7.	U
108-90-7	Chlorobenzene	7.	U
100-41-4	Ethylbenzene	7.	U
100-42-5	Styrene	7.	U
156-59-2	1,2-Dichloroethene-cis	7.	U
106-42-3	m,p-Xylenes	7.	U
95-47-6	o-Xylene	7.	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-2

Lab Name: AES, Inc. Contract: _____
 Lab Code: AES Case No.: PE0103 SAS No.: _____
 Matrix: (soil/water) SOIL SDG No.: B-2
 Sample wt/vol: 30.0 (g/mL) G Lab Sample ID: TP-124-2
 Level: (low/med) LOW Lab File ID: B0077
 Moisture: 24. decanted: (Y/N) N Date Received: 12/04/01
 Concentrated Extract Volume: 1000.0 (uL) Date Extracted: 12/05/01
 Injection Volume: 1.0 (uL) Date Analyzed: 01/06/02
 SPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

108-95-2-----	Phenol	440.	U
111-44-4-----	bis(2-Chloroethyl) ether	440.	U
95-57-8-----	2-Chlorophenol	440.	U
541-73-1-----	1,3-Dichlorobenzene	440.	U
106-46-7-----	1,4-Dichlorobenzene	440.	U
95-50-1-----	1,2-Dichlorobenzene	440.	U
95-48-7-----	2-Methylphenol	440.	U
108-60-1-----	bis(2-chloroisopropyl) ether	440.	U
106-44-5-----	4-Methylphenol	440.	U
621-64-7-----	n-Nitroso-di-n-propylamine	440.	U
67-72-1-----	Hexachloroethane	440.	U
98-95-3-----	Nitrobenzene	440.	U
78-59-1-----	Isophorone	440.	U
88-75-5-----	2-Nitrophenol	440.	U
105-67-9-----	2,4-Dimethylphenol	440.	U
111-91-1-----	bis(2-Chloroethoxy)methane	440.	U
120-83-2-----	2,4-Dichlorophenol	440.	U
120-82-1-----	1,2,4-Trichlorobenzene	440.	U
91-20-3-----	Naphthalene	57.	J
106-47-8-----	4-Chloroaniline	440.	U
87-68-3-----	Hexachlorobutadiene	440.	U
59-50-7-----	4-Chloro-3-methylphenol	440.	U
91-57-6-----	2-Methylnaphthalene	440.	U
77-47-4-----	Hexachlorocyclopentadiene	440.	U
88-06-2-----	2,4,6-Trichlorophenol	440.	U
95-95-4-----	2,4,5-Trichlorophenol	440.	U
91-58-7-----	2-Chloronaphthalene	440.	U
88-74-4-----	2-Nitroaniline	2200.	U
131-11-3-----	Dimethylphthalate	440.	U
208-96-8-----	Acenaphthylene	440.	U
606-20-2-----	2,6-Dinitrotoluene	440.	U
99-09-2-----	3-Nitroaniline	2200.	U
83-32-9-----	Acenaphthene	440.	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-2

Lab Name: AES, Inc. Contract:
 Lab Code: AES Case No.: PE0103 SAS No.:
 Matrix: (soil/water) SOIL Lab Sample ID: TP-124-2
 Sample wt/vol: 30.0 (g/mL) G Lab File ID: B0077
 Level: (low/med) LOW Date Received: 12/04/01
 % Moisture: 24. decanted: (Y/N) N Date Extracted: 12/05/01
 Concentrated Extract Volume: 1000.0 (uL) Date Analyzed: 01/06/02
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.6

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

51-28-5-----	2,4-Dinitrophenol	2200.	U
100-02-7-----	4-Nitrophenol	2200.	U
132-64-9-----	Dibenzofuran	440.	U
121-14-2-----	2,4-Dinitrotoluene	440.	U
84-66-2-----	Diethylphthalate	440.	U
7005-72-3-----	4-Chlorophenyl-phenylether	440.	U
86-73-7-----	Fluorene	60.	J
100-01-6-----	4-Nitroaniline	2200.	U
534-52-1-----	4,6-Dinitro-2-methylphenol	2200.	U
86-30-6-----	n-Nitrosodiphenylamine	440.	U
101-55-3-----	4-Bromophenyl-phenylether	440.	U
118-74-1-----	Hexachlorobenzene	440.	U
87-86-5-----	Pentachlorophenol	2200.	U
85-01-8-----	Phenanthrene	640.	
120-12-7-----	Anthracene	160.	J
86-74-8-----	Carbazole	250.	J
84-74-2-----	Di-n-butylphthalate	440.	U
206-44-0-----	Fluoranthene	1300.	
129-00-0-----	Pyrene	1400.	
85-68-7-----	Butylbenzylphthalate	440.	U
91-94-1-----	3,3'-Dichlorobenzidine	880.	U
56-55-3-----	Benzo(a)anthracene	730.	
218-01-9-----	Chrysene	770.	
117-81-7-----	bis(2-Ethylhexyl)phthalate	49.	J
117-84-0-----	Di-n-octylphthalate	440.	U
205-99-2-----	Benzo(b)fluoranthene	780.	
207-08-9-----	Benzo(k)fluoranthene	640.	
50-32-8-----	Benzo(a)pyrene	680.	
193-39-5-----	Indeno(1,2,3-cd)pyrene	270.	J
53-70-3-----	Dibenzo(a,h)anthracene	440.	U
191-24-2-----	Benzo(g,h,i)perylene	260.	J

(1) - Cannot be separated from diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-2

Lab Name: AES

Contract: PE

Lab Code: AES

Case No. 0103

SAS No.:

SDG No.: B-2

Matrix: (soil/water)SOIL

Lab Sample ID: TP-124-2

Sample wt/vol: 30.0 (g/ml)G

Lab File ID:

% Moisture: 24 decanted: (Y/N) N

Date Received: 12/04/01

Extraction: (SepF/Cont/Sonc)SONC

Date Extracted: 12/05/01

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 12/06/01

Injection Volume: 1.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N)N

pH: 7.6

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS	
		(ug/L or ug/Kg)	UG/KG
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC(Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	0.68	JP
1024-57-3	Heptachlor epoxide	0.094	JP
959-98-8	Endosulfan I	0.87	JP
60-57-1	Dieldrin	0.23	J
72-55-9	4,4'-DDE	0.13	JP
72-20-8	Endrin	1.3	J
33213-65-9	Endosulfan II	0.22	JP
72-54-8	4,4'-DDD	1.3	J
1031-07-8	Endosulfan sulfate	0.43	JP
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	22.	U
53494-70-5	Endrin ketone	4.7	
7421-36-3	Endrin aldehyde	0.54	JP
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220.	U

ID
PCB ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TP-124-2

Lab Name: AES, INC.

Contract:

Lab Code: AES

Case No.: PE0103

SAS No.:

SDG No.: B-2

Matrix: (soil/water) SOIL

Lab Sample ID: TP-124-2

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: 011204 AT02

Level: (low/med) LOW

Date Received: 12/04/01

Moisture: not dec. 24. dec. _____

Date Extracted: 12/05/01

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 12/06/01

PC Cleanup: (Y/N) N

pH: 7.6

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	
---------	----------	---	--

12674-11-2-----	Arochlor-1016	44.	U
11104-28-2-----	Arochlor-1221	44.	U
11141-16-5-----	Arochlor-1232	44.	U
53469-21-9-----	Arochlor-1242	44.	U
12672-29-6-----	Arochlor-1248	44.	U
11097-69-1-----	Arochlor-1254	44.	U
11096-82-5-----	Arochlor-1260	44.	U

FORM I PEST

1/87 Rev.

12-11-2001 10:23AM FROM

P. 1

Hennessy Engineering & Consulting
P.O. Box 118, 22 Grove Street
Voorheesville, NY 12186
Phone 518-765-4530; Fax: 518-765-4562

Fax

To: *KEVIN SAMOWICZ* Fax: *402-9020*

CC: _____ Fax: _____

CC: _____ Fax: _____

CC: _____ Fax: _____

From: *BH Hennessy* No. of Pages Total: *11*

Date: *12-11-01*

Re: *Lucaselli*

Urgent For Review Please Comment Please Reply Please Recycle

• Comments:

*Attached are summary sheets with T-3
added as well as the analytical for it.*

12-11-2001 10:24AM FROM

P. 2

Lucarelli Property
December, 2001 Site Investigation
Volatile Organics Analysis
Soil Sample Results

Compound	SAMPLE ID							
	Exc.T-1	Exc.T-2	Exc.T-3	Exc.T-4	Exc.B-1	Exc.B-2	Exc.B-3	Exc.B-4
chloromethane	U	U	U	U	U	U	U	U
bromomethane	U	U	U	U	U	U	U	U
vinyl chloride	U	U	U	U	U	U	U	U
chloroethane	U	U	U	U	U	U	U	U
methylene chloride	U	U	U	U	U	U	U	U
acetone	U	U	U	U	U	U	U	U
carbon disulfide	U	U	U	U	U	U	U	U
BOB1016	U	U	U	U	U	U	U	U
methylene chloride	U	U	U	U	U	U	U	U
acetone	U	U	U	U	U	U	U	U
carbon disulfide	U	U	U	U	U	U	U	U
1,1-dichloroethene	U	U	U	U	U	U	U	U
1,1-dichloroethane	U	U	U	U	U	U	U	U
1,2-dichloroethene-trans	U	U	U	U	U	U	U	U
chloroform	U	U	U	U	U	U	U	U
1,2-dichloroethane	U	U	U	U	U	U	U	U
2-butanone	U	U	U	U	U	U	U	U
1,1,1-trichloroethane	U	U	U	U	U	U	U	U
carbon tetrachloride	U	U	U	U	U	U	U	U
vinyl acetate	U	U	U	U	U	U	U	U
bromodichloromethane	U	U	U	U	U	U	U	U
1,2-dichloropropane	U	U	U	U	U	U	U	U
cis-1,3-dichloropropene	U	U	U	U	U	U	U	U
trichloroethene	U	U	U	U	U	U	U	U
dibromochloromethane	U	U	U	U	U	U	U	U
benzene	U	U	U	U	U	U	U	U
trans-1,3-dichloroprope	U	U	U	U	U	U	U	U
bromofom	U	U	U	U	U	U	U	U
2-hexanone	U	U	U	U	U	U	U	U
4-methyl-2-pentanone	U	U	U	U	U	U	U	U
tetrachloroethene	U	U	U	U	U	U	U	U
1,1,2,2-tetrachloroethan	U	U	U	U	U	U	U	U
toluene	U	U	U	U	U	U	U	U
chlorobenzene	U	U	U	U	U	U	U	U
ethylbenzene	U	U	U	U	U	29	U	U
styrene	U	U	U	U	U	U	U	U
1,2-dichloroethene-cis	U	U	U	U	U	U	U	U
xylene total	U	U	U	U	U	130	U	U

All results are reported in mcg/kg (ppb) U = undetected
 DUSR: J = considered estimates; JN = considered presumptive evidence; R = rejected, unusable; u = considered undetected
 j = compound detected below contract required detection limit (cddl)

fluoranthene	270	560	940	230	305	210	78	74
fluorene	U	U	96	U	U	U	U	U
perylene	U	U	U	U	U	U	U	U
benzofluoranthene	U	U	U	U	U	U	U	U
benzochloroanthracene	U	U	U	U	U	U	U	U
benzofluoranthene	U	U	U	U	U	U	U	U
indeno(1,2,3-cd)pyrene	160	330	180	110	110	100	U	U
benzofluoranthene	U	U	U	U	U	U	49	U
benzofluoranthene	81	70	U	U	U	U	U	U
benzofluoranthene	U	U	U	U	U	U	U	U
benzofluoranthene	U	U	U	U	U	U	U	U
benzofluoranthene	U	U	U	U	U	U	U	U
benzofluoranthene	U	U	U	U	U	U	U	U
benzofluoranthene	U	U	U	U	U	U	U	U
benzofluoranthene	U	230	780	100	110	88	U	U
benzofluoranthene	U	230	U	U	360	200	U	U
benzofluoranthene	300	630	700	360	330	150	74	58

All results are reported in mcg/kg (ppb) U = undetected J = detected below contract required detection limit (cddl)
 DUSR: J = considered estimates; JN = considered presumptive evidence; R = rejected, unusable; u = considered undetected

12-11-2001 10:24AM FROM

P. 3

**Lucarelli Property
December, 2001
Site Investigation
Pesticide/PCB Analysis
Soil Sample Results**

Compound	SAMPLE ID							
	Exc.T-1	Exc.T-2	Exc.T-3	Exc.T-4	Exc.B-1	Exc.B-2	Exc.B-3	Exc.B-4
alpha-BHC	U	U	U	U	U	U	U	U
beta-BHC	U	U	U	U	U	U	U	U
delta-BHC	U	U	U	U	U	U	U	U
gamma-BHC(lindane)	U	U	U	U	U	U	U	U
Heptachlor	U	U	U	U	U	U	U	U
Aldrin	U	U	U	U	U	U	U	U
Heptachlor epoxide	U	U	U	U	U	U	U	U
Endosulfan I	U	U	U	U	U	U	U	U
Dieldrin	U	U	U	U	U	U	U	U
4,4'-DDE	78	38 j	34	37 j	13	42	31	11
Endrin	U	U	U	U	U	U	U	U
Endosulfan II	U	U	U	U	U	U	U	U
4,4'-DDD	120	41	58	87	38	58	66	22
Endosulfan sulfate	U	U	U	U	U	U	U	U
4,4'-DDT	87	37 j	56	97	35	150	39	9.8
Methoxychlor	U	U	U	U	U	U	U	U
Endrin ketone	U	U	U	U	U	U	U	U
Endrin aldehyde	U	U	U	U	U	U	U	U
alpha-Chlordane	47	21 j	U	5.2 j	4.2	23 j	10 j	6.7 j
gamma-Chlordane	36 j	7.1 j	U	41	3.2	6.8 j	9.7 j	6.1 j
Toxaphene	U	U	U	U	U	U	U	U
Arochlor 1016	U	U	U	U	U	U	U	U
Arochlor 1221	U	U	U	U	U	U	U	U
Arochlor 1232	U	U	U	U	U	U	U	U
Arochlor 1242	U	U	U	U	U	U	U	U
Arochlor 1248	1500	2100	260	1600	140	7600	240	340
Arochlor 1254	U	U	U	U	U	U	U	U
Arochlor 1260	U	U	140	U	U	U	70 j	83
Total PCBs	430	2100	400	1600	36 j	7600	310	523

All results are reported in mg/kg (ppb) U = undetected
DUSR: J = considered estimates; jn = considered presumptive evidence; R = rejected, unusable
j = compound detected below contract required detection limit (cnd).

12-11-2001 10:25AM FROM

P. 1

FROM : PRECISION ENVIRONMENTAL

PHONE NO. : 518 885 4416

Dec. 07 2001 11:35AM P2

1-2002 1-007 P-002 Dec 28 04 10:00

Exc T-3

CLIENT: Precision Environmental Serv. Date Sampled: 12/04/01
 CLIENT'S SAMPLE ID: **EXC T** Date sample received: 12/04/01
 AEC sample #: 011204A103 Samples taken by: J. Johnson Location: R.Kern.Rd. Inc.
 MATRIX: Soil composite

PARAMETER REQUESTED	METHOD	RESULT	UNITS	NOTES/REF	TEST DATE
Cl ⁻ pH	EPA 9045	7.5	su	LG X 30	12/06/01
Cl ⁻ TS		85	%	MC	12/04/01
Chloromethane	EPA 8260	<12	ug/kg	MC	12/05/01
Bromomethane	EPA 8260	<12	ug/kg	MC	12/05/01
Vinyl Chloride	EPA 8260	<12	ug/kg	MC	12/05/01
Chloroethane	EPA 8260	<12	ug/kg	MC	12/05/01
Methylene Chloride	EPA 8260	<6	ug/kg	MC	12/05/01
Acetone	EPA 8260	<12	ug/kg	MC	12/05/01
Carbon Disulfide	EPA 8260	<6	ug/kg	MC	12/05/01
1,1 Dichloroethane	EPA 8260	<6	ug/kg	MC	12/05/01
1,1 Dichloroethane	EPA 8260	<6	ug/kg	MC	12/05/01
trans 1,2 Dichloroethane	EPA 8260	<6	ug/kg	MC	12/05/01
Chloroform	EPA 8260	<6	ug/kg	MC	12/05/01
1,2 Dichloroethane	EPA 8260	<6	ug/kg	MC	12/05/01
2 Butanone	EPA 8260	<12	ug/kg	MC	12/05/01
1,1,1 Trichloroethane	EPA 8260	<6	ug/kg	MC	12/05/01
Carbon Tetrachloride	EPA 8260	<6	ug/kg	MC	12/05/01
Vinyl Acetate	EPA 8260	<12	ug/kg	MC	12/05/01
Bromodichloromethane	EPA 8260	<6	ug/kg	MC	12/05/01
1,2 Dichloropropane	EPA 8260	<6	ug/kg	MC	12/05/01

12-11-2001 10:26AM FROM

P. 2

FROM : .PRECISION ENVIRONMENTAL

PHONE NO. : 518 885 4416

Dec. 07 2001 11:35AM P3

CLIENT: Precision Environmental Serv. Date Sampled: 12/04/01
 CLIENT'S SAMPLE ID: E13 T Date sample received: 12/04/01
 AES sample #: 011204AT05 Samples taken by: J. Johnson Location: N.Karr.Rd. Loc.
 MATRIX: Soil composite

continued: PARAMETER PERFORMED	METHOD	RESULT	UNITS	WORKSHEET	DATE
cis 1,3 Dichloropropene	EPA 8260	<6	ug/kg	MG	12/05/01
Trichloroethene	EPA 8260	<6	ug/kg	MG	12/05/01
Dibromochloromethane	EPA 8260	<6	ug/kg	MG	12/05/01
1,1,2 Trichloroethane	EPA 8260	<6	ug/kg	MG	12/05/01
Benzene	EPA 8260	<6	ug/kg	MG	12/05/01
trans 1,3 Dichloropropene	EPA 8260	<6	ug/kg	MG	12/05/01
Bromoform	EPA 8260	<6	ug/kg	MG	12/05/01
2 Hexanone	EPA 8260	<12	ug/kg	MG	12/05/01
4 Methyl 2 pentanone	EPA 8260	<12	ug/kg	MG	12/05/01
Tetrachloroethene	EPA 8260	<6	ug/kg	MG	12/05/01
1,1,2,2 Tetrachloroethane	EPA 8260	<6	ug/kg	MG	12/05/01
Toluene	EPA 8260	<6	ug/kg	MG	12/05/01
Chlorobenzene	EPA 8260	<6	ug/kg	MG	12/05/01
Ethylbenzene	EPA 8260	<6	ug/kg	MG	12/05/01
Styrene	EPA 8260	<6	ug/kg	MG	12/05/01
Xylenes, Total	EPA 8260	<6	ug/kg	MG	12/05/01
cis 1,2 Dichloroethene	EPA 8260	<6	ug/kg	MG	12/05/01
Acenaphthene	EPA 8270	86 J	ug/kg	MF CC 2	12/05/01
Acenaphthylene	EPA 8270	<390	ug/kg	MF CC 2	12/05/01
Anthracene	EPA 8270	270 J	ug/kg	MF CC 2	12/05/01

12-11-2001 10:26AM FROM

P.3

FROM : PRECISION ENVIRONMENTAL

PHONE NO. : 518 885 4416

Dec. 07 2001 11:36AM P4

CLIENT: Precision Environmental Serv. Date Sampled: 12/04/01
 CLIENT'S SAMPLE ID: BK3 T Date sample received: 12/04/01
 ACS sample #: 011204AT05 Samples taken by: J. Johnson Location: N.Kam.Rd. Luv.
 MATRIX: Soil composite

continued:

<u>CHARACTER</u>	<u>PERFORMANCE</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTES</u>	<u>REF</u>	<u>TEST DATE</u>
Benzo(a)anthracene		EPA 8270	390	ug/kg	MT CC 2		12/05/01
Benzo(b)fluoranthene		EPA 8270	320 J	ug/kg	MT CC 2		12/05/01
Benzo(k)fluoranthene		EPA 8270	280 J	ug/kg	MT CC 2		12/05/01
Benzo(g,h,i)perylene		EPA 8270	200 J	ug/kg	MT CC 2		12/05/01
Benzo(a)pyrene		EPA 8270	350 J	ug/kg	MT CC 2		12/05/01
Butyl benzyl phthalate		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
Bis(2 Chloroethoxy)methane		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
Bis(2 Chloroethyl)ether		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2,2' oxybis(1 Chloropropane)		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
Bis(2 ethylhexyl)phthalate		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
4 Brocophenyl phenylether		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2 Chloronaphthalene		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
4 Chlorophenyl phenylether		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
Chrysen-		EPA 8270	390	ug/kg	MT CC 2		12/05/01
Dibenzo(a,h)anthracene		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
Di n butyl phthalate		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
1,2 Dichlorobenzene		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
1,3 Dichlorobenzene		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
1,4 Dichlorobenzene		EPA 8270	<300	ug/kg	MT CC 2		12/05/01
3,3' Dichlorobenzidine		EPA 8270	<700	ug/kg	MT CC 2		12/05/01

12-11-2001 10:27AM FROM

P. 4

FROM :-PRECISION ENVIRONMENTAL

PHONE NO. : 518 885 4416

Dec. 07 2001 11:36AM P5

CLIENT: Precision Environmental Serv. Date Sampled: 12/04/01
 CLIENT'S SAMPLE ID: EX3 T Date sample received: 12/04/01
 RES sample #: 011204AT05 Samples taken by: J. Johnson Location: N.Kam.Rd. Luc.
 MATRIX: Soil composite

CONTAMINANT	METHOD	RESULT	UNITS	NUMERICAL USE	TEST DATE
Diethylphthalate	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Dimethylphthalate	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
2,4 Dinitrotoluene	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
2,6 Dinitrotoluene	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Di n octylphthalate	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Fluoranthene	EPA 8270	940	ug/kg	MT CC 2	12/05/01
Fluorene	EPA 8270	98 J	ug/kg	MT CC 2	12/05/01
Hexachlorobenzene	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Hexachlorobutadiene	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Hexachlorocyclopentadiene	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Hexachloroethane	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Indeno(1,2,3 cd)pyrene	EPA 8270	190 J	ug/kg	MT CC 2	12/05/01
Isophorone	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Naphthalene	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Nitrobenzene	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
N Nitrosod di n propylamine	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
N Nitrosodiphenylamine	EPA 8270	<300	ug/kg	MT CC 2	12/05/01
Monanthrene	EPA 8270	780	ug/kg	MT CC 2	12/05/01
Pyrene	EPA 8270	790	ug/kg	MT CC 2	12/05/01
1,2,4 Trichlorobenzene	EPA 8270	<300	ug/kg	MT CC 2	12/05/01

12-11-2001 10:27AM FROM

P.5

FROM : PRECISION ENVIRONMENTAL

PHONE NO. : 518 885 4416

Dec. 07 2001 11:37AM PG

CLIENT: Precision Environmental Serv. Data Sampled: 12/04/01
 CLIENT'S SAMPLE ID: EKS T Date sample received: 12/04/01
 AES sample #: 011204AT05 Samples taken by: J. Johnson Location: N.Kazo.Rd. Loo.
 MATRIX: Soil composite

continued:

PARAMETER PERFORMED	METHOD	RESULT	UNITS	NOTES	REF	TEST DATE
4 Chloro 3 methylphenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2 Chlorophenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2,4 Dichlorophenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2,4 Dimethylphenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2,6 Dinitrophenol	EPA 8270	<1950	ug/kg	MT CC 2		12/05/01
4,6 Dinitro 2 Methylphenol	EPA 8270	<1950	ug/kg	MT CC 2		12/05/01
4 Nitrophenol	EPA 8270	<1950	ug/kg	MT CC 2		12/05/01
2 Nitrophenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
Pentachlorophenol	EPA 8270	<1950	ug/kg	MT CC 2		12/05/01
Phenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2,4,6 Trichlorophenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2 Methylnaphthalene	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2 Methylphenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
4 Methylphenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
4 Chloroaniline	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2,4,6 Trichlorophenol	EPA 8270	<300	ug/kg	MT CC 2		12/05/01
2 Nitroaniline	EPA 8270	<1950	ug/kg	MT CC 2		12/05/01
3 Nitroaniline	EPA 8270	<1950	ug/kg	MT CC 2		12/05/01
Dibenzofuran	EPA 8270	63 J	ug/kg	MT CC 2		12/05/01
4 Nitroaniline	EPA 8270	<1950	ug/kg	MT CC 2		12/05/01

12-11-2001 10:27AM FROM

P.6

FROM : PRECISION ENVIRONMENTAL

PHONE NO. : 518 885 4416

Dec. 07 2001 11:38AM P7

12/04/01 11:38AM P7

CLIENT: Precision Environmental Serv.

Date Sampled: 12/04/01

CLIENT'S SAMPLE ID: 823 T

Date sample received: 12/04/01

ASE sample #: 011204AT05

Samples taken by: J. Johnson

Location: N.Karr.Rd. Int. composite

MATRIX: Soil

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTES/REF</u>	<u>TEST DATE</u>
Carbazole	EPA 8270	320 J	ug/kg	MY CC 2	12/05/01
a BHC	EPA 8081	<10	ug/kg	SO CLP	12/06/01
b BHC	EPA 8081	<10	ug/kg	SO CLP	12/06/01
γ BHC	EPA 8081	<10	ug/kg	SO CLP	12/06/01
δ BHC	EPA 8081	<10	ug/kg	SO CLP	12/06/01
Heptachlor	EPA 8081	<10	ug/kg	SO CLP	12/06/01
Aldrin	EPA 8081	<10	ug/kg	SO CLP	12/06/01
Heptachlor Epoxide	EPA 8081	<10	ug/kg	SO CLP	12/06/01
Endosulfan I	EPA 8081	<10	ug/kg	SO CLP	12/06/01
Dieldrin	EPA 8081	<10	ug/kg	SO CLP	12/06/01
4,4' DDE	EPA 8081	34	ug/kg	SO CLP	12/06/01
Endrin	EPA 8081	<10	ug/kg	SO CLP	12/06/01
Endosulfan II	EPA 8081	<10	ug/kg	SO CLP	12/06/01
4,4' DDD	EPA 8081	58	ug/kg	SO CLP	12/06/01
Endosulfan Sulfate	EPA 8081	<10	ug/kg	SO CLP	12/06/01
4,4' DDT	EPA 8081	56	ug/kg	SO CLP	12/06/01
Methoxychlor	EPA 8081	<100	ug/kg	SO CLP	12/06/01
Endrin Ketone	EPA 8081	<10	ug/kg	SO CLP	12/06/01
alpha Chlordane	EPA 8081	<10	ug/kg	SO CLP	12/06/01
gamma Chlordane	EPA 8081	<10	ug/kg	SO CLP	12/06/01

12-11-2001 10:28AM FROM

P. 7

FROM :-PRECISION ENVIRONMENTAL

PHONE NO. : 518 885 4416

Dec. 07 2001 11:39AM PB

CLIENT: Precision Environmental Serv. Date Sampled: 12/04/01
 CLOUTY'S SAMPLE ID: EE3 T Date sample received: 12/04/01
 AES sample #: 011204AT05 Samples taken by: J. Johnson Location: N.Karr.Rd. Loc.
 MATRIX: Soil composite

continued:

PARAMETER TEST/COMBO	METHOD	RESULT	UNITS	NOTES/REF	TEST DATE
Toxaphene	EPA 8201	<1000	ug/kg	SO CLP	12/06/01
Endrin Aldehyde	EPA 8081	<10	ug/kg	SO CLP	12/06/01
CLP PCB 1016	EPA 8082	<30	ug/kg	KF PCB#J16	12/06/01
CLP PCB 1221	EPA 8082	<30	ug/kg	KF PCB#J16	12/06/01
CLP PCB 1232	EPA 8082	<30	ug/kg	KF PCB#J16	12/06/01
CLP PCB 1242	EPA 8082	<30	ug/kg	KF PCB#J16	12/06/01
CLP PCB 1248	EPA 8082	250	ug/kg	KF PCB#J16	12/06/01
CLP PCB 1254	EPA 8082	<30	ug/kg	KF PCB#J16	12/06/01
CLP PCB 1290	EPA 8082	180	ug/kg	KF PCB#J16	12/06/01

APPROVED BY: _____
 Report date: 12/06/01