

1365 VANDER WAY

SAN JOSE, CALIFORNIA 95112

(408) 297-6969 or FAX (408) 297-7716

February 22, 1989  
Project 4454

Ms. Kathy Miura  
The Plymouth Group  
2047 Old Middlefield Way  
Mountain View, California 94043

Subject: Supplemental Test Results  
Phase I Environmental/Toxics Investigation  
Sunnyside Nursery  
Hayward, California

Dear Ms. Miura:

Attached are supplemental test results from our Phase I environmental/toxics investigation of the Sunnyside Nursery in Hayward, California.


The supplemental analyses were requested of the laboratory when an elevated level of the pesticide Endrin was found in the "Eastern Greenhouses" soil composite (see Terratech report, Project 4454, Phase I Environmental/Toxics Investigation, Sunnyside Nursery....., dated February 1989). Specifically, we had Sequoia analyze the four individual soil samples which made up this composite for chlorinated pesticides (EPA Method 8080).

The retests found no detectable amounts of Endrin in any of the four samples. The detection limit for Endrin was 0.1 ppm. The only pesticide in the 8080 group to be detected was Endosulfan sulfate. The levels of Endosulfan sulfate ranged from < 0.5 ppm (HS-14) to 2.0 ppm (HS-12).

Based on the agreement of these supplemental findings with eight of the nine initial analyses, it is our conclusion that there does not appear to be a pesticide contamination problem in the near-surface soils of the Sunnyside Nursery.

Sincerely,

TERRATECH, INC.

  
Eric R. Lautenbach  
CE 42437

Attachments



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Terratech, Inc.  
1365 Vander Way  
San Jose, CA 95112  
Attention: Geoff Blair

Client Project ID: #4454, #5  
Sample Descript: Soil, HS-11  
Analysis Method: EPA 8080  
Lab Number: 902-0819

Sampled: Jan 25, 1989  
Received: Relogged 2/9  
Extracted: Feb 14, 1989  
Analyzed: Feb 15, 1989  
Reported: Feb 16, 1989

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	50.0	N.D.
alpha-BHC.....	50.0	N.D.
beta-BHC.....	50.0	N.D.
sigma-BHC.....	100.0	N.D.
gamma-BHC (Lindane).....	50.0	N.D.
Chlordane.....	500.0	N.D.
4,4'-DDD.....	100.0	N.D.
4,4'-DDE.....	50.0	N.D.
4,4'-DDT.....	100.0	N.D.
Dieldrin.....	50.0	N.D.
Endosulfan I.....	100.0	N.D.
Endosulfan II.....	50.0	N.D.
<b>Endosulfan sulfate.....</b>	<b>500.0</b>	<b>1,500</b>
Endrin.....	100.0	N.D.
Endrin aldehyde.....	150.0	N.D.
Heptachlor.....	50.0	N.D.
Heptachlor epoxide.....	50.0	N.D.
Methoxychlor.....	1,500.0	N.D.
Toxaphene.....	1,750.0	N.D.
PCB-1016.....	500.0	N.D.
PCB-1221.....	500.0	N.D.
PCB-1232.....	500.0	N.D.
PCB-1242.....	500.0	N.D.
PCB-1248.....	500.0	N.D.
PCB-1254.....	500.0	N.D.
PCB-1260.....	500.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Arthur G. Burton  
Laboratory Director



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Terratech, Inc.  
1365 Vander Way  
San Jose, CA 95112  
Attention: Geoff Blair

Client Project ID: #4454, #5  
Sample Descript: Soil, HS-12  
Analysis Method: EPA 8080  
Lab Number: 902-0820

Sampled: Jan 25, 1989  
Received: Relogged 2/9  
Extracted: Feb 14, 1989  
Analyzed: Feb 15, 1989  
Reported: Feb 16, 1989

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	50.0	N.D.
alpha-BHC.....	50.0	N.D.
beta-BHC.....	50.0	N.D.
sigma-BHC.....	100.0	N.D.
gamma-BHC (Lindane).....	50.0	N.D.
Chlordane.....	500.0	N.D.
4,4'-DDD.....	100.0	N.D.
4,4'-DDE.....	50.0	N.D.
4,4'-DDT.....	100.0	N.D.
Dieldrin.....	50.0	N.D.
Endosulfan I.....	100.0	N.D.
Endosulfan II.....	50.0	N.D.
<b>Endosulfan sulfate.....</b>	<b>500.0</b>	<b>2,000</b>
Endrin.....	100.0	N.D.
Endrin aldehyde.....	150.0	N.D.
Heptachlor.....	50.0	N.D.
Heptachlor expoxide.....	50.0	N.D.
Methoxychlor.....	1,500.0	N.D.
Toxaphene.....	1,750.0	N.D.
PCB-1016.....	500.0	N.D.
PCB-1221.....	500.0	N.D.
PCB-1232.....	500.0	N.D.
PCB-1242.....	500.0	N.D.
PCB-1248.....	500.0	N.D.
PCB-1254.....	500.0	N.D.
PCB-1260.....	500.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Arthur G. Burton  
Laboratory Director



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Terratech, Inc.  
1365 Vander Way  
San Jose, CA 95112  
Attention: Geoff Blair

Client Project ID: #4454, #5  
Sample Descript: Soil, HS-13  
Analysis Method: EPA 8080  
Lab Number: 902-0821

Sampled: Jan 25, 1989  
Received: Relogged 2/9  
Extracted: Feb 14, 1989  
Analyzed: Feb 15, 1989  
Reported: Feb 16, 1989

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	50.0	N.D.
alpha-BHC.....	50.0	N.D.
beta-BHC.....	50.0	N.D.
sigma-BHC.....	100.0	N.D.
gamma-BHC (Lindane).....	50.0	N.D.
Chlordane.....	500.0	N.D.
4,4'-DDD.....	100.0	N.D.
4,4'-DDE.....	50.0	N.D.
4,4'-DDT.....	100.0	N.D.
Dieldrin.....	50.0	N.D.
Endosulfan I.....	100.0	N.D.
Endosulfan II.....	50.0	N.D.
<b>Endosulfan sulfate.....</b>	<b>500.0</b>	<b>1,800</b>
Endrin.....	100.0	N.D.
Endrin aldehyde.....	150.0	N.D.
Heptachlor.....	50.0	N.D.
Heptachlor epoxide.....	50.0	N.D.
Methoxychlor.....	1,500.0	N.D.
Toxaphene.....	1,750.0	N.D.
PCB-1016.....	500.0	N.D.
PCB-1221.....	500.0	N.D.
PCB-1232.....	500.0	N.D.
PCB-1242.....	500.0	N.D.
PCB-1248.....	500.0	N.D.
PCB-1254.....	500.0	N.D.
PCB-1260.....	500.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Arthur G. Burton  
Laboratory Director



# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063  
(415) 364-9600 • FAX (415) 364-9233

Terratech, Inc.  
1365 Vander Way  
San Jose, CA 95112  
Attention: Geoff Blair

Client Project ID: #4454, #5  
Sample Descript: Soil, HS-14  
Analysis Method: EPA 8080  
Lab Number: 902-0822


Sampled: Jan 25, 1989  
Received: Relogged 2/9  
Extracted: Feb 14, 1989  
Analyzed: Feb 15, 1989  
Reported: Feb 16, 1989

## ORGANOCHLORINE PESTICIDES AND PCB'S (EPA 8080)

Analyte	Detection Limit ug/kg	Sample Results ug/kg
Aldrin.....	50.0	N.D.
alpha-BHC.....	50.0	N.D.
beta-BHC.....	50.0	N.D.
sigma-BHC.....	100.0	N.D.
gamma-BHC (Lindane).....	50.0	N.D.
Chlordane.....	500.0	N.D.
4,4'-DDD.....	100.0	N.D.
4,4'-DDE.....	50.0	N.D.
4,4'-DDT.....	100.0	N.D.
Dieldrin.....	50.0	N.D.
Endosulfan I.....	100.0	N.D.
Endosulfan II.....	50.0	N.D.
Endosulfan sulfate.....	500.0	N.D.
Endrin.....	100.0	N.D.
Endrin aldehyde.....	150.0	N.D.
Heptachlor.....	50.0	N.D.
Heptachlor epoxide.....	50.0	N.D.
Methoxychlor.....	1,500.0	N.D.
Toxaphene.....	1,750.0	N.D.
PCB-1016.....	500.0	N.D.
PCB-1221.....	500.0	N.D.
PCB-1232.....	500.0	N.D.
PCB-1242.....	500.0	N.D.
PCB-1248.....	500.0	N.D.
PCB-1254.....	500.0	N.D.
PCB-1260.....	500.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

  
Arthur G. Burton  
Laboratory Director