

June 1990

Supplemental Sampling

Volume III

Pfohl Brothers Landfill
Cheektowaga, New York, Erie County
Site No. 09-15-043

ISSUED: January 1991

Reported by:
New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
Bureau of Western Remedial Action

APPENDIX B

Sampling Summary Sheets

SAMPLING SUMMARY SHEET

Site Name: PROHL BROS. LANDFILL

Agency Number: 9-15-043 Region: 9

Sampling Date: 6/4/90 Time: 1630

Sample Location: STR 1 Middle of Floodway / Headwaters of Stream
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>7.5</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp		<u>16°C</u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged		<u>6"</u> Stream Depth	Description	Description
<u> </u> Depth to Water		<u>20"</u> Core Depth		
<u> </u> Well Volume		<u>0.8'</u> Core Recovery		
		Description		
		<u>See Below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

3 SOIL JARS (2 FOR OXIDATION)

Sample ID Numbers (Chain of Custody Number on Labels)

1100 E 99A TO OX LAB

Photograph (Frame Numbers & Time):

31 1641 (Bottom to Left)

Other (Sample description, special circumstance, etc.)

1st sample brought back by plastic, had to separate material
FRONT OF SITE CAMP W/ ROOTS - ALSO WENT THROUGH
A FLOODPLAIN WHITE SAND MATERIAL.

SAMPLING SUMMARY SHEET

Site Name: PROHL BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/4/90 Time: 17:00

Sample Location: STR-2 38+55 870 FT NORTH, FLOODED CHANNELS
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASSER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6.5</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp		<u>17°C</u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged		<u>30"</u> Stream Depth	Description	Description
<u> </u> Depth to Water		<u>20"</u> Core Depth		
<u> </u> Well Volume		<u>0.8'</u> Core Recovery		
		Description		
		<u>see below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

3 SOIL JARS (2 FOR DICKIN)

Sample ID Numbers (Chain of Custody Number on Labels)

101

3

102

Photograph (Frame Numbers & Time):

30, 17:17

(Left is 30.4)

Other (Sample description, special circumstance, etc.)

SLIGHTLY MOIST

SILTY SAND w/ SOME CLAY

SAMPLING SUMMARY SHEET

Site Name: PEONL BRGS. LANDFILL

Registry Number: 7-15-043 Region: 9

Sampling Date: 6/6/90 Time: 1110

Sample Location: STR-3 Near center of creek RIGHT ON LINE 34+50
(ID#, Grid location, etc.)

Personnel: B. BROWN K. C. LASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
☐ pH	Description ☐	☐ pH	☐ Depth	☐ pH
☐ Temp	☐	☐ Temp	☐ Type	☐ Temp
☐ Vol. Purged	☐	<u>2'</u> Stream Depth	Description	Description
☒ Depth to Water	☐	<u>20'</u> Core Depth	☐	☐
☐ Well Volume	☐	<u>1'</u> Core Recovery	☐	☐
		Description	☐	☐
		<u>See Below</u>		

Type Sample: Grab ☐ Composite ☒ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

5

103

Photograph (Frame Numbers & Time):

14, 11:19

Other (Sample description, special circumstance, etc.)

3 GOOD SAMPLE DUE TO SOFTNESS OF MATERIAL.

VERY SOFT WET SWAMP MUCK W/ VEGETATION.

SAMPLING SUMMARY SHEET

Site Name: PROHL BAS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/6/90 Time: 1020

Sample Location: STR-4 ~~XXXXXXXXXX~~ CENTER OF CREEK MUCK ; ALSO MS/MSD
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
☐ pH	Description	☐ pH	☐ Depth	☐ pH
☐ Temp		☐ Temp	☐ Type	☐ Temp
☐ Vol. Purged		<u>3"</u> Stream Depth	Description	Description
☒ Depth to Water		<u>16"</u> Core Depth		
☐ Well Volume		<u>1.2'</u> Core Recovery		
		Description		
		<u>see Below</u>		

Type Sample: Grab ☐ Composite ☒ Other ☐

Sample Containers: (Describe volume and number)

4 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

8 7 106 105

Photograph (Frame Numbers & Time):

18, 10:26

Other (Sample description, special circumstance, etc.)

3 STAB COMPOSITE, VERY SOFT BLACK CLAY AND MUCK
MS/MSD DONE HERE. SEDIMENT WAS TOO SOFT & WET
TO OBTAIN A ONE STAB SAMPLE,

SAMPLING SUMMARY SHEET

Site Name: PFOHL BRUS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/6/90 Time: 1045

Sample Location: ~~STL-5~~ STL-5 FEW FEET DOWN FROM SEEP NO. 10
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KATT
P. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp		<u>15°</u> Temp C	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged		<u>2"</u> Stream Depth	Description	Description
<u> </u> Depth to Water		<u>26"</u> Core Depth		
<u> </u> Well Volume		<u>0.9'</u> Core Recovery		
		Description		
		<u>see below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 50.0 JARS

Sample ID Numbers (Chain of Custody Number on Labels)

Photograph (Frame Numbers & Time):

15 10:56

Other (Sample description, special circumstance, etc.)

SEEPS 13 AND 10 TOO CLOSE TO OBTAIN DOWNSTREAM SAMPLE FROM
SEEP 13 INDEPENDENT OF SEEP 10.
COMPOSITION? SILT AND PLANT MATERIAL GRADING TO SILTY CLAY.
SLIGHTLY MOIST.

SAMPLING SUMMARY SHEET

Site Name: POWELL 800S. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/6/90 Time: 0945

Sample Location: STA-6 30+35 SOUTH BANK
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. FLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>15</u> Temp °C	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>12"</u> Stream Depth	Description	Description
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.45'</u> Core Recovery	<u> </u>	<u> </u>
		Description	<u> </u>	<u> </u>
		<u>see below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

11 109

Photograph (Frame Numbers & Time):

19, 09:46

Other (Sample description, special circumstance, etc.)

SILTY CLAY BOTTOM, VEGETATIVE DEBRIS TOP
(SAMPLE COLLECTED THAN 500 FT FROM SCOP 13.)

SAMPLING SUMMARY SHEET

Site Name: PFOHL BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/5/96 Time: 11:30

Sample Location: STR-7 WITH SIDE OF STREAM ON 2500 INSIDE RENO
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
☐ pH	Description	<u>6.5</u> pH	☐ Depth	☐ pH
☐ Temp		<u>13.5</u> Temp °C	☐ Type	☐ Temp
☐ Vol. Purged		<u>12"</u> Stream Depth	Description	Description
☒ Depth to Water		<u>20"</u> Core Depth		
☐ Well Volume		<u>0.7'</u> Core Recovery		
		Description		
		<u>see Below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☒

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

13 111 _____

Photograph (Frame Numbers & Time):

22 11:38

Other (Sample description, special circumstance, etc.)

SOME GRAVEL ON BOTTOM, SILTY CLAY, MUCK & PLANT
MATTER ON TOP.

SAMPLING SUMMARY SHEET

Site Name: PFOH BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/5/90 Time: 11:05

Sample Location: STR-8 URBANICAT TO SEGO
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLAFF
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description <u>6</u>	<u>6</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>14</u> Temp °C	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>8"</u> Stream Depth	Description	Description
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.5'</u> Core Recovery	<u> </u>	<u> </u>
		Description	<u> </u>	<u> </u>
		<u>SEE Below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 500L JARS

Sample ID Numbers (Chain of Custody Number on Labels)

15

113

Photograph (Frame Numbers & Time):

23

11:07

(Left is Bottom)

Other (Sample description, special circumstance, etc.)

SILTY CLAY AND SAND WITH PAST MATTER

SAMPLING SUMMARY SHEET

Site Name: DOHL BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/5/90 Time: 10:50

Sample Location: STR-9 ~~2' OFF CRACK BANK~~, @ UPSTREAM ~~END~~ LOCATION
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6.0</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>14</u> Temp °C	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>18"</u> Stream Depth	Description	Description
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.7'</u> Core Recovery	<u> </u>	<u> </u>
		Description	<u> </u>	<u> </u>
		<u>See Below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

17

115

Photograph (Frame Numbers & Time):

24, 10:53

Other (Sample description, special circumstance, etc.)

SILTY CLAY ON BOTTOM AND PLANT MATTER.

SAMPLING SUMMARY SHEET

Site Name: PEOPLES BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/5/90 Time: 10:30

Sample Location: STR-10 EDGE CRACK, IN BETWEEN TWO SEEPS
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6.5</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>13.5</u> Temp °C	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>12"</u> Stream Depth	Description	Description
<u> </u> Depth to Water	<u> </u>	<u>32"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.9'</u> Core Recovery	<u> </u>	<u> </u>
		Description	<u> </u>	<u> </u>
		<u>See Below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 500L JARS

Sample ID Numbers (Chain of Custody Number on Labels)

19 117

Photograph (Frame Numbers & Time):

25 10:38

Other (Sample description, special circumstance, etc.)

SILT CLAY BOTTOM 1/4, REST PLANT MATTER

SAMPLING SUMMARY SHEET

Site Name: PFOHL BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/5/90 Time: 10:10

Sample Location: STR - 11 CREEK BANK @ SEEP OUTLET
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>14°C</u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>12"</u> Stream Depth	Description	Description
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.3/0.2'</u> Core Recovery	<u> </u>	<u> </u>
		Description	<u> </u>	<u> </u>
		<u>see below</u>		

Type Sample: Grab Composite ☒ Other

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

21

119

Photograph (Frame Numbers & Time):

26, 10:19

(Left is bottom)

Other (Sample description, special circumstance, etc.)

SO NO SAMPLE 1ST ATTEMPT, BUT SAMPLE ON 2ND ATTEMPT, 3RD ATTEMPT OK
SILTY CLAY AND SAND WITH PLANT MAT'L. ORANGE STAINING
FROM THE SEEP ON TOP.

SAMPLING SUMMARY SHEET

Site Name: PAOLLE BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/5/90 Time: 9:55

Sample Location: STR-12
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>15°C</u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>19"</u> Stream Depth	Description	Description
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.8'</u> Core Recovery	<u> </u>	<u> </u>
		Description	<u> </u>	<u> </u>
		<u>Subsolan</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

23

121

Photograph (Frame Numbers & Time):

27, 9:55

Other (Sample description, special circumstance, etc.)

SAND w/ ROOTS & DECAYING MATTER IN BOWL OF SAND
AND CLAY.

SAMPLING SUMMARY SHEET

Site Name: PROHL BROS. LANDFILL

Registry Number: 9-15-043

Region: 9

Sampling Date: 6/5/90

Time: 8:50

Sample Location: STA-13 ON BAR ON EAST SIDE OF LAKE/CREEK CONNECTION
(ID#, Grid location, etc.)

Personnel: B. BROWN

K. GLASER

C. KLATT

D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6.5</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp		<u>19°C</u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged		<u>18"</u> ~~Stream~~ <u>LAKE</u> Depth	Description	Description
<u> </u> Depth to Water		<u>20"</u> Core Depth		
<u> </u> Well Volume		<u>0.3/0.3</u> Core Recovery		
		Description		
		<u>see below</u>		

Type Sample: Grab ☒ Composite ☒ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

25

123

Photograph (Frame Numbers & Time):

29 9:08

Other (Sample description, special circumstance, etc.)

SAND WITH DELAYING PLANT MATERIAL

SAMPLING SUMMARY SHEET

Site Name: PROHL BROS. LANDFILL

gistry Number: 9-15-043 Region: 9

Sampling Date: 6/5/90 Time: 9:30

Sample Location: SR-14
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6.5</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>15°C</u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>12"</u> Stream Depth	Description	Description
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.7'</u> Core Recovery	<u> </u>	<u> </u>
		Description	<u> </u>	<u> </u>
		<u>see Below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

27

125

Photograph (Frame Numbers & Time):

28

9:36

(Left is bottom)

Other (Sample description, special circumstance, etc.)

Roots & Muck on top, cohesive silty clay on bottom

SAMPLING SUMMARY SHEET

Site Name: PHOL BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/4/90 Time: 12:15

Sample Location: STR-15 3' OFF SHOULDER OF STREAM BANK, STRAIGHT SECTION.
(ID#, Grid location, etc.)

Personnel: B. BROWN K. CLASEK
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
____ pH	Description	<u>6.5</u> pH	____ Depth	____ pH
____ Temp	____	<u>16°C</u> Temp	____ Type	____ Temp
____ Vol. Purged	____	<u>1.5'</u> Stream Depth	Description	Description
____ Depth to Water	____	<u>20"</u> Core Depth	____	____
____ Well Volume	____	<u>1.0'</u> Core Recovery	____	____
		Description	____	____
		<u>See below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS (ONE FOR DILUTION)

Sample ID Numbers (Chain of Custody Number on Labels)

127 29 _____

Photograph (Frame Numbers & Time):

33 12:21 (Left is PLUTONIC ALSO 32 12:23)

Other (Sample description, special circumstance, etc.)

BOTTOM - COARSE SAND, LAYERS OF PLASTIC WASTE &
GRAY CLAY IN MIDDLE, TOP - BROWN CLAY BLACK MUCK

SAMPLING SUMMARY SHEET

Site Name: PHOL BRAS. LANDFILL

Registry Number: 9-15-045 Region: 9

Sampling Date: 6/4/90 Time: 11:45 AM

Sample Location: STR-16 INSIDE BEUD 1' OFF SURFACE
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
☐ pH	Description	<u>5.5</u> pH	☐ Depth	☐ pH
☐ Temp		<u>11°C</u> Temp	☐ Type	☐ Temp
☐ Vol. Purged		<u>6"</u> Stream Depth	Description	Description
☐ Depth to Water		<u>20"</u> Core Depth		
☐ Well Volume		<u>0.8'</u> Core Recovery		
		Description		
		<u>See Appendix</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

3 SOIL JARS (2 FOR DIOXIN)

Sample ID Numbers (Chain of Custody Number on Labels)

31 129 130

Photograph (Frame Numbers & Time):

35 11:44 (LEFT IS SURFACE)

Other (Sample description, special circumstance, etc.)

COARSE SAND - TOP HALF, SILT/CLAY - BOTTOM HALF

SAMPLING SUMMARY SHEET

Site Name: PHOH BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/4/90 Time: 11:05

Sample Location: STR-17 50 FT. OFF SHORE OF STREAM BANK STRAIGHT SECTION
(ID#, Grid location, etc.)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description <u>6</u> pH	<u> </u> Depth	<u> </u> pH	
<u> </u> Temp	<u>16</u> Temp °C	<u> </u> Type	<u> </u> Temp	
<u> </u> Vol. Purged	<u>1'</u> Stream Depth	Description	Description	
<u> </u> Depth to Water	<u>20"</u> Core Depth	<u> </u>	<u> </u>	
<u> </u> Well Volume	<u>1.05'</u> Core Recovery	<u> </u>	<u> </u>	
	Description	<u> </u>	<u> </u>	
	<u>see below</u>			

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

3 SOIL JARS (2 DIXON)

Sample ID Numbers (Chain of Custody Number on Labels)

33 131 132

Photograph (Frame Numbers & Time):

36 11:11 (LEFT SIDE OF PHOTO IS ETC.)

Other (Sample description, special circumstance, etc.)

FINE SAND & SILT STREAM SEDIMENT w/
PLANT MATTER

SAMPLING SUMMARY SHEET

Site Name: PHOL BRAS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/4/90 Time: 12:45

Sample Location: SWP-18 14050, 1120 NORTH OF AERO
(ID#, Grid location, etc.)

Personnel: B. BROWN K. CHASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
☐ pH	Description	☐ pH	☐ Depth	☐ pH
☐ Temp		☐ Temp	☐ Type	☐ Temp
☐ Vol. Purged		☐ Stream Depth	Description	Description
☐ Depth to Water		<u>1.55'</u> Core Depth		
☐ Well Volume		<u>0.9'</u> Core Recovery		
		Description		
		<u>See Below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

1 SOIL JAR

Sample ID Numbers (Chain of Custody Number on Labels)

36

Photograph (Frame Numbers & Time):

32 12:51 (Left is Bottom)

Other (Sample description, special circumstance, etc.)

ALL WATER IS PH & TEMP.
MOSTLY SAND w/ ROCK & SILT, BOTTOM - (LEAF UN) 02 REEL
SAND

SAMPLING SUMMARY SHEET

Site Name: PEHL BROS. LANDFILL
Registry Number: 9-15-043 Region: 9
Sampling Date: 6/15/90 Time: 15:00
Sample Location: STR-19 NORTH SIDE OF CREEK DOWNSTREAM OF TRANSIT ROAD
(ID#, Grid location, etc.) (MS/MSD)
Personnel: B. BAANN K. C. LASER
G. PELATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater	Waste	Sediment ☒	Soil	Surface Water
_____ pH	Description	<u>6.5</u> pH	_____ Depth	_____ pH
_____ Temp	_____	<u>18</u> Temp	_____ Type	_____ Temp
_____ Vol. Purged	_____	<u>2.5'</u> Stream Depth	Description	Description
_____ Depth to Water	_____	<u>20'</u> Core Depth	_____	_____
_____ Well Volume	_____	<u>0.6/0.5'</u> Core Recovery	_____	_____
		Description	_____	_____
		<u>See below</u>		

Type Sample: Grab ☒ Composite _____ Other _____

Sample Containers: (Describe volume and number)

24 SOIL JARS (2 FOR MS/MSD)

Sample ID Numbers (Chain of Custody Number on Labels)

37 38 134 133

Photograph (Frame Numbers & Time):

21 15:18

Other (Sample description, special circumstance, etc.)

DOUBLE SAMPLE (STALKED), MS/MSD SAMPLE HERE.
SILTY SAND W/ HIGH VEGETATION.

SAMPLING SUMMARY SHEET

Site Name: PFOHL BROS. LANDFILL
 Registry Number: 9-15-043 Region: 9
 Sampling Date: 6/5/90 Time: 16:30
 Sample Location: STR-20 EAST SIDE OF CREEK, UPSTREAM OF RR BRIDGE
 (ID#, Grid location, etc.)

Personnel: C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u>6</u> pH	<u> </u> Depth	<u>6</u> pH
<u> </u> Temp	<u> </u>	<u>18</u> Temp <u>°C</u>	<u> </u> Type	<u>18</u> Temp <u>°C</u>
<u> </u> Vol. Purged	<u> </u>	<u>16"</u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u>20'</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.6'</u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>
		<u>see below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

39

135

Photograph (Frame Numbers & Time):

20 - 17:01

Other (Sample description, special circumstance, etc.)

SILTY CLAY w/ MUCH ROOTED VEGETATION THROUGHOUT

SAMPLING SUMMARY SHEET

Site Name: PFOHL BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/6/90 Time: 1510

Sample Location: STR-21 30 FT UPSTREAM OF POINT OF UNKNOWN CREEK
(ID#, Grid location, etc.) (NORTH SIDE OF ELLICOTT)

Personnel: B. BROWN K. GLASER

C. KLATT

D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u>6</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>19°</u> Temp C	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>12"</u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>1'</u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>
		<u>see below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 5AL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

41

137

Photograph (Frame Numbers & Time):

10 15:26

Other (Sample description, special circumstance, etc.)

MUCH ROOT & PLAST. MATTER ON TOP, SILTY SAND ALL THE
WAY THRU.

SAMPLING SUMMARY SHEET

Site Name: PFOHL BROS. LANDFILL

gistry Number: 9-15-043

Region: 9

Sampling Date: 6/6/90

Time: 1500

Sample Location: STR-22 20ft DOWNSTREAM OF POINT OF UNKNOWN CREEK
(ID#, Grid location, etc.) (NORTH SIDE OF CULVERT)

Personnel: B. BROWN

K. GLASSER

C. FLATT

D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u>6</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>19°</u> Temp C	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>12"</u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.7'</u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>
		<u>See Below</u>		

Type Sample: Grab ☒

Composite ☐

Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

448 139 43

Photograph (Frame Numbers & Time):

11, 15:16

Other (Sample description, special circumstance, etc.)

VERY FINE SAND & SILT w/ DECAYING PLANT
MATTER, BLACK MUCK.

SAMPLING SUMMARY SHEET

Site Name: PFOHL BASIN LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/7/90 Time: 0810

Sample Location: SWP-23, 60' SE OF MW 17 S IN THE MARSH
(ID#, Grid location, etc.)

Personnel: J. WHITE K. GLASSER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
____ pH	Description	<u>6</u> pH	____ Depth	____ pH
____ Temp	____	<u>17°</u> Temp <u>C</u>	____ Type	____ Temp
____ Vol. Purged	____	<u>4"</u> Stream Depth	Description	Description
☒ <u>1"</u> Depth to Water	____	<u>16"</u> Core Depth	____	____
____ Well Volume	____	<u>0.6'</u> Core Recovery	____	____
		Description	____	____
		<u>see below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

46

121/41

Photograph (Frame Numbers & Time):

36, 8:09 ; 35, ; 34, ; 33, 8:19

Other (Sample description, special circumstance, etc.)

BOTTOM IS SAND & FINE GRAVEL, TOP IS SILT W/
VEGETATION.

SAMPLING SUMMARY SHEET

Site Name: FRONT BIOS. LANDFILL

Registry Number: 9-15-043 Region: 90

Sampling Date: 6/7/90 Time: 0830

Sample Location: SWP-24 41+75, 580 FT SOUTH IN DRAINAGE SWALE NEXT TO TRANSIT ROAD.
(ID#, Grid location, etc.)

Personnel: J. WHITE K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>6.5</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>16°</u> Temp C	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>3"</u> Stream Depth	Description	Description
<u> </u> Depth to Water	<u> </u>	<u>16"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>0.8'</u> Core Recovery	<u> </u>	<u> </u>
		Description	<u> </u>	<u> </u>
		<u>See Below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 5GAL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

143 47

Photograph (Frame Numbers & Time):

32; 31; 30, 8:36

Other (Sample description, special circumstance, etc.)

TOP: SILT W/ VEGETATION, BOTTOM: CLAY & VEGETATIVE CLAY.

SAMPLING SUMMARY SHEET

Site Name: PFOM BROS LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/7/90 Time: 0915

Sample Location: SWP-25 40+25, 975 FT SOUTH IN SWAMP MUSH
(ID#, Grid location, etc.)

Personnel: J. WHITE K. GLASSER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
☐ pH	Description	<u>6</u> pH	☐ Depth	☐ pH
☐ Temp		<u>18°</u> Temp C	☐ Type	☐ Temp
☐ Vol. Purged		<u>24"-18"</u> Stream Depth	Description	Description
☒ Depth to Water		<u>16"</u> Core Depth		
☐ Well Volume		<u>04/3</u> Core Recovery		
	Description			
	<u>See Below</u>			

Type Sample: Grab ☒ Composite ☒ Other ☐

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

145

49

Photograph (Frame Numbers & Time):

29 - 27 ; 25, 10:57

Other (Sample description, special circumstance, etc.)

4 STAB COMPOSITE, BUT LAST STAB 4, SLOD MOST OF SAMPLE,
DUE TO RUNNY SEDIMENT,
COMPOSITION: wet, RUNNY SILTY CLAY w/ VEGETATION BLACK.

SAMPLING SUMMARY SHEET

Site Name: PEOHL BAS. LANDRILL
 Registry Number: 9-15-043 Region: 9
 Sampling Date: 6/7/90 Time: 10:00
 Sample Location: SWP-26 36-0, 1200 FT SOUTH IN SWAMP MARSH
 (ID#, Grid location, etc.) RIGHT NEAR LOCATION STAKE.
 Personnel: J WHITE K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u>7</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u>19</u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u>16"</u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u>20"</u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u>1.2'</u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>
		<u>see below</u>		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 SOL. JARS

Sample ID Numbers (Chain of Custody Number on Labels)

147

51

Photograph (Frame Numbers & Time):

27; 26, 10:40

Other (Sample description, special circumstance, etc.)

FAIRLY DRY CLAY ON BOTTOM 1/2, MOIST DARK SAND &
VEGETATION ON TOP.

SAMPLING SUMMARY SHEET

Site Name: PFOHL BRGS. LANDFILL
 Registry Number: 9-15-009 Region: 9
 Sampling Date: 6/7/90 Time: 1100
 Sample Location: SWP-27 Seep NO 4 outfall
 (ID#, Grid location, etc.)
 Personnel: J. WHITE K. CHASER
C. KRATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☒	Soil ☐	Surface Water ☐
<u> </u> pH	Description	<u>8</u> pH	<u> </u> Depth	<u> </u> pH
<u> </u> Temp		<u>18°</u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged		<u>1"</u> Stream Depth	Description	Description
<u> </u> Depth to Water		<u>12"</u> Core Depth		
<u> </u> Well Volume		<u>0.55'</u> Core Recovery		
		Description		

Type Sample: Grab Composite Other
GAAB see below

Sample Containers: (Describe volume and number)

2 SOIL JARS

Sample ID Numbers (Chain of Custody Number on Labels)

149

53

Photograph (Frame Numbers & Time):

24 11:14

Other (Sample description, special circumstance, etc.)

2 jars of soil from seep was HAZO.
DESCRIPTION: STIFF CLAY ON BOTTOM, SAND, GRAVEL AND
ROOTS ON TOP. COLOR ORANGE-BROWN.

SAMPLING SUMMARY SHEET

Site Name: Pfahle Brothers Landfill
 Registry Number: 09-15-043 Region: 9
 Sampling Date: 6/4/90 Time: 10:52
 Sample Location: McPeck Property at Swing Set (Picture 13)
 (ID#, Grid location, etc.) 26 + 75 + 1175 South of Aero
 Personnel: Mike Ruwala
Joe White
Don Bonomo

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	<u>Surface</u> Soil ☒	Surface Water ☐
☐ pH	Description	☐ pH	<u>0-2"</u> Depth	☐ pH
☐ Temp		☐ Temp	<u>GRAB</u> Type	☐ Temp
☐ Vol. Purged		☐ Stream Depth	Description	Description
☐ Depth to Water		☐ Core Depth	<u>Soil under</u>	
☐ Well Volume		☐ Core Recovery	<u>Swing set</u>	
		Description	<u>where no grass</u>	

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

SSS2 - Sample 28 (SSS-28) Cont'd #'s 55, 151, 152
Sample 990-155-28

Sample ID Numbers (Chain of Custody Number on Labels)

55 151 152

Photograph (Frame Numbers & Time):

13 + 16 55

Other (Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

Site Name:

Phill Brothers Landfill

Registry Number:

09-150043

Region:

9

Sampling Date:

6/14/90

Time:

11:15

Sample Location:

100 Peach Property 20+60 @ 1170 South Glen
(ID#, Grid location, etc.)

Personnel:

Mike Ruman

Joe White

SAMPLE MATRIX: (Check one)

Groundwater ☐

Waste ☐

Sediment ☐

Surface
Soil ☒

Surface Water ☐

☐ pH

Description

☐ pH

0-2" Depth

☐ pH

☐ Temp

☐

☐ Temp

☐ Type

☐ Temp

☐ Vol. Purged

☐

☐ Stream Depth

Description

Description

☐ Depth to Water

☐

☐ Core Depth

☐

☐

☐ Well Volume

☐

☐ Core Recovery

☐

☐

Description

☐

☐

Type Sample:

Grab ☒

Composite ☐

Other ☐

Sample Containers: (Describe volume and number)

SSS-29 2 Bt, boxes 153+154 + 1 bottle for Lab C#5

Sample ID Numbers (Chain of Custody Number on Labels)

57

153

154

Photograph

(Frame Numbers & Time):

14 - 11:15

Other

(Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

110-155-30

Site Name: Pfaff Brothers Landfill

Registry Number: 07-15-043 Region: 9

Sampling Date: 6/4/90 Time: 11:30

Sample Location: 26+60 @ 1150 near fence line
 (ID#, Grid location, etc.) McPike Property.

Personnel: J. White
Mike Ruvira

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
☐ pH	Description	☐ pH	<u>0-2"</u> Depth	☐ pH
☐ Temp		☐ Temp	<u>G</u> Type	☐ Temp
☐ Vol. Purged		☐ Stream Depth	Description	Description
☒ Depth to Water		☐ Core Depth	<u>Soil near</u>	
☐ Well Volume		☐ Core Recovery	<u>fence line</u>	
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)
2 bottles for dupes 155 & 156 1 bottle for Sol C #59

Sample ID Numbers (Chain of Custody Number on Labels)
59 155 156

Photograph (Frame Numbers & Time):
15-11:30

Other (Sample description, special circumstance, etc.)
SSS-30

990-155-31

SAMPLING SUMMARY SHEET

Site Name:

Pfaff Brothers Landfill

Registry Number:

09-15-043

Region:

9

Sampling Date:

6/4/98

Time:

11:50

Sample Location:

See below - McPeak Property
(ID#, Grid location, etc.)

Personnel:

Joe WhiteMike Rousin

SAMPLE MATRIX: (Check one)

Groundwater ☐Waste ☐Sediment ☐Surface
Soil ☒Surface Water ☐☐ pH

Description

☐ pH0-2' Depth☐ pH☐ Temp☐ TempG Type☐ Temp☐ Vol. Purged☐ Stream Depth

Description

Description

☒ Depth to Water☐ Core Depth☐ Well Volume☐ Core Recovery

Description

Type Sample:

Grab ☒Composite ☒Other ☐

Sample Containers: (Describe volume and number)

2 bottles for chitin 157+158, 1 bottle for SeC #61

Sample ID Numbers (Chain of Custody Number on Labels)

15715861

Photograph

(Frame Numbers & Time):

16, 17, 18 at locations ①, ②, ③

Other

(Sample description, special circumstance, etc.)

Composite of 3 locations ①, ② thus about SE corner of property,

990-155-32

SAMPLING SUMMARY SHEET

Site Name:

Pfaff Brothers Landfill

Registry Number:

09-15-043

Region:

9

Sampling Date:

6/4/90

Time:

~~08:00~~ 1:51 PM

Sample Location:

950's @ 20 + 50 behind the house
(ID#, Grid location, etc.)~~garbage~~ at trees to E of Pavilion

Personnel:

Mike Ruaria
John White

SAMPLE MATRIX: (Check one)

Groundwater ☐Waste ☐Sediment ☐Surface
Soil ☒Surface Water ☐☐ pH

Description

☐ pH0-2" Depth☐ pH☐ Temp☐☐ TempG Type☐ Temp☐ Vol. Purged☐☐ Stream Depth

Description

Description

☒ Depth to Water☐☐ Core Depthdark soil☐☐ Well Volume☐☐ Core Recoverynear
sand box☐

Description

under tree☐Type Sample: Grab ☐Composite ☐Other ☐

Sample Containers: (Describe volume and number)

2 bottles for diapa 159+160, 1 bottle for Sed C #63.

Sample ID Numbers (Chain of Custody Number on Labels)

63159160

Photograph

(Frame Numbers & Time):

19 @ 1:51 PM

Other

(Sample description, special circumstance, etc.)

dark soil

990-155-33

SAMPLING SUMMARY SHEET

Site Name: Phil Brothers Landfill
Registry Number: 09-15-043 Region: 9
Sampling Date: 6/4/90 Time: 2PM
Sample Location: 20+500 950'S ad low spot in back yard of Fredrick & Elsie's home
(ID#, Grid location, etc.)
Personnel: Mike Rivera
Joe White

SAMPLE MATRIX: (Check one)

Groundwater	Waste	Sediment	Surface Soil ☒	Surface Water
_____ pH	Description _____	_____ pH	0-2' Depth	_____ pH
_____ Temp	_____	_____ Temp	G Type	_____ Temp
_____ Vol. Purged	_____	_____ Stream Depth	Description	Description
_____ Depth to Water	_____	_____ Core Depth	<u>black soil</u>	_____
_____ Well Volume	_____	_____ Core Recovery	_____	_____
		Description	_____	_____

Type Sample: Grab ☒ Composite _____ Other _____

Sample Containers: (Describe volume and number)
2 digger bottles 161, 162 1 soil C bottle 65

Sample ID Numbers (Chain of Custody Number on Labels)
65 161 162

Photograph (Frame Numbers & Time):
20 @ 2PM

Other (Sample description, special circumstance, etc.)
black soil rich (worms)

990-155-34

SAMPLING SUMMARY SHEET

Site Name: Phil Brothers Landfill
Registry Number: 09-15-043 Region: 9
Sampling Date: 6/4/90 Time: 2:05 PM
Sample Location: Rick Zelenka property
(ID#, Grid location, etc.)
Personnel: Rick Zelenka
Joe White

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>9"-12"</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u>G</u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u>Garden Soil</u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 Ziploc bags 163, 164 1 Sch Chelt #67

Sample ID Numbers (Chain of Custody Number on Labels)

67 163 164

Photograph (Frame Numbers & Time):

21 @ 2:10

Other (Sample description, special circumstance, etc.)

rich dark granular soil - brownish soil

SAMPLING SUMMARY SHEET

Site Name: Pfaff Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/4/90 Time: 4:20 PM

Sample Location: SSS 35, 18+50 @ 950'S
(ID#, Grid location, etc.)

Personnel: Joe G. White, DEC
Mike Rucina, Dolt

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒ <u>Surface</u>	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>0-2"</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u>G</u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 Luxin bottles 165+166 1 sch C bottle 69

Sample ID Numbers (Chain of Custody Number on Labels)

69 165 166

Photograph (Frame Numbers & Time):

22 @ 4:30

Other (Sample description, special circumstance, etc.)

Black shiny material found nearby soil dark
rich + shallow ~ 4-6' below

SAMPLING SUMMARY SHEET

Site Name: P. J. Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/4/90 Time: 5:00

Sample Location: SSS-36, 18+50 @ 1000 ft S
(ID#, Grid location, etc.)

Personnel: Joe White
Mike Rosaria

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>0-2"</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u>G</u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u>Loose Soil</u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 drop bottles 167+168 1 red C bottle x 71

Sample ID Numbers (Chain of Custody Number on Labels)

71 167 168

Photograph (Frame Numbers & Time):

23 @ 5:10

Other (Sample description, special circumstance, etc.)

Black shiny material found at the surface

SAMPLING SUMMARY SHEET

990-156-37

Site Name:

Pfuhl Brothers Landfill

Registry Number:

09-15-043

Region:

9

Sampling Date:

6/5/90

Time:

0840

Sample Location:

SW Corner of Area Lake

SSS 37

(ID#, Grid location, etc.)

18' x 18' x 18'

Personnel:

Joe White

Mike Ruvaric

SAMPLE MATRIX: (Check one)

Groundwater ☐

Waste ☐

Sediment ☐

Surface
Soil ☒

Surface Water ☐

☐ pH

Description

☐ pH

0-2" Depth

☐ pH

☐ Temp

☐ Temp

G Type

☐ Temp

☐ Vol. Purged

☐ Stream Depth

Description

Description

☐ Depth to Water

☐ Core Depth

Scrub

☐ Well Volume

☐ Core Recovery

Soil

Description

Type Sample: Grab ☒

Composite ☐

Other ☐

Sample Containers: (Describe volume and number)

1 batch of drops #169

1 batch of Soil #73

SSS-37

Sample ID Numbers (Chain of Custody Number on Labels)

73

169

Photograph (Frame Numbers & Time):

1 @ 0850

Other (Sample description, special circumstance, etc.)

Sample Soil

990-156-38

SAMPLING SUMMARY SHEET

Site Name: Phil Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/5/90 Time: 900 AM

Sample Location: S-SW of Quake Lake Township 19S
(ID#, Grid location, etc.)

Personnel: Joe White
Mike Runa

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u>6-2"</u> pH	Description	<u>6-2"</u> pH	Depth	<u>6-2"</u> pH
Temp		Temp	Type	Temp
Vol. Purged		Stream Depth	Description	Description
Depth to Water		Core Depth	<u>Soil from</u>	
Well Volume		Core Recovery	<u>Path</u>	
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

11 Ltr. P. 6-2" 171 11 Ltr. P. 6-2" 75
SSS-38

Sample ID Numbers (Chain of Custody Number on Labels)

75 171

Photograph (Frame Numbers & Time):

3 @ 05:30

Other (Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

990-156-39

Site Name: Pfaff Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/5/90 Time: 9:20

Sample Location: South End of Bear Lake where Lake + Creek Come Together
(ID#, Grid location, etc.)

Personnel: Joe White
Mike Rivas

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	^{Surface} Soil ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>0 1/2"</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u>C-</u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

515-39 16.7L in cluster (173) 12.6L in cluster (174)

Sample ID Numbers (Chain of Custody Number on Labels)

77 173

Photograph (Frame Numbers & Time):

4 09:30

Other (Sample description, special circumstance, etc.)

hard soil

990-156-40

SAMPLING SUMMARY SHEET

Site Name: Pfehl Brothers Landfill
Registry Number: 09-15-043 Region: 9
Sampling Date: 6/5/90 Time: ~~0920~~ 10:00
Sample Location: About 200 ft E end of Comm Rd. where Ave. & Ave. A. Submet
(ID#, Grid location, etc.)
Personnel: Joe D. Kula
Mike Rivara

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u>0-2'</u> pH	Description	pH	Depth	pH
Temp		Temp	C Type	Temp
Vol. Purged		Stream Depth	Description	Description
Depth to Water		Core Depth	<u>Path when</u>	
Well Volume		Core Recovery	<u>Relieved</u>	
		Description	<u>in the water</u>	

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)
1/2 liter drink (175) 1/2 liter LDC (79)

Sample ID Numbers (Chain of Custody Number on Labels)
79 175

Photograph (Frame Numbers & Time):
5 10:00

Other (Sample description, special circumstance, etc.)
Superficial to the landfill

SAMPLING SUMMARY SHEET

770-156-41

Site Name: _____

Pfchl Brothers Landfill

Registry Number: _____

89-15-043

Region: _____

9

Sampling Date: _____

6/5/90

Time: _____

10:30

Sample Location: _____

East Side Gen. Lake

(ID#, Grid location, etc.)

Personnel: _____

Joe White

Mike Rucina

SAMPLE MATRIX: (Check one)

Groundwater _____

Waste _____

Sediment _____

Soil ☒

Surface Water _____

_____ pH

Description _____

_____ pH

0-2" Depth

_____ pH

_____ Temp

_____ Temp

G Type

_____ Temp

_____ Vol. Purged

_____ Stream Depth

Description _____

Description _____

_____ Depth to Water

_____ Core Depth

Soil near

_____ Well Volume

_____ Core Recovery

Looking over

Description _____

Type Sample: Grab ☒

Composite _____

Other _____

Sample Containers: (Describe volume and number)

1 bottle for digen (177) / 1 bottle for LDC (81)

Sample ID Numbers (Chain of Custody Number on Labels)

81

177

Photograph _____

(Frame Numbers & Time):

6

Other _____

(Sample description, special circumstance, etc.)

990-156-42

SAMPLING SUMMARY SHEET

Site Name: Pfoll Brothers Landfill
Registry Number: 09-15-043 Region: 9
Sampling Date: 6/5/90 Time: 1100
Sample Location: Northern beach at Green Lake
(ID#, Grid location, etc.)
Personnel: Joe White
Mike Ruvaro

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>0-2"</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u>C</u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u>Sealed</u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u>beach</u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

1 bottle drops (179) 1 bottle SDC (83)

Sample ID Numbers (Chain of Custody Number on Labels)

83 179

Photograph (Frame Numbers & Time):

7 11:15

Other (Sample description, special circumstance, etc.)

990-156-43

SAMPLING SUMMARY SHEET

Site Name:

Pfaff Brothers Landfill

Registry Number:

09-15-043

Region:

9

Sampling Date:

6/5/90

Time:

~~12:00~~ 11:30

Sample Location:

N. western beach area of Am Lake + Fat Area at Am Lake
(ID#, Grid location, etc.)

Personnel:

Joe White
Mike Ruvani

SAMPLE MATRIX: (Check one)

Groundwater ☐Waste ☐Sediment ☐Surface
Soil ☒Surface Water ☐☐ pH

Description

☐ pH0.2" Depth☐ pH☐ Temp☐ TempC Type☐ Temp☐ Vol. Purged☐ Stream Depth

Description

Description

☐ Depth to Water☐ Core Depthbeach area☐ Well Volume☐ Core Recoverysoil

Description

Type Sample: Grab ☐Composite ☒Other ☐

Sample Containers: (Describe volume and number)

1 1/2 145 L drums (181)1 1/2 145 L drums (181)SSS-43

Sample ID Numbers (Chain of Custody Number on Labels)

8543181

Photograph

(Frame Numbers & Time):

92 8E 1145

Other

(Sample description, special circumstance, etc.)

770-156-44

SAMPLING SUMMARY SHEET

Site Name:

Pfaff Brothers Landfill

Registry Number:

09-15-043

Region:

9

Sampling Date:

6/5/90

Time:

12:00

Sample Location:

West Side of Ave - Mill
(ID#, Grid location, etc.)

Personnel:

W. J. Smith
Mike Pivars
Pat Nelson

SAMPLE MATRIX: (Check one)

Groundwater ☐

Waste ☐

Sediment ☐

Surface
Soil ☒

Surface Water ☐

☐ pH

Description

☐ pH

0-2" Depth

☐ pH

☐ Temp

☐

☐ Temp

G Type

☐ Temp

☐ Vol. Purged

☐

☐ Stream Depth

Description

Description

☐ Depth to Water

☐

☐ Core Depth

Beach

☐ Well Volume

☐

☐ Core Recovery

Core Soil

Description

Sandy, silty, clayey
sediment

Type Sample: Grab ☒

Composite ☐

Other ☐

Sample Containers: (Describe volume and number)

16 Lbs of chips & 183 16 Lbs of SDC #57

Sample ID Numbers (Chain of Custody Number on Labels)

87

183

Photograph (Frame Numbers & Time):

16 @ 12:00

Other (Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

Site Name: PFOHL BROS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/5/90 Time: 15:10

Sample Location: SWt-45 NORTH SIDE OF Creek, DOWNSTREAM OF TRANSIT ROAD
(ID#, Grid location, etc.)

Personnel: R. BROWN K. GLASER
E. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☐	Surface Water ☒
☐ pH	Description	☐ pH	☐ Depth	<u>6.5</u> pH
☐ Temp		☐ Temp	☐ Type	<u>18</u> Temp °C
☐ Vol. Purged		☐ Stream Depth	Description	Description
☒ Depth to Water		☐ Core Depth		
☐ Well Volume		☐ Core Recovery		
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

4 40 ML VOA BOTTLES, 3 250ML PCB BOTTLES, 3 1 LITER BNA BOTTLES,
2 PLASTIC METALS BOTTLES

Sample ID Numbers (Chain of Custody Number on Labels)

(NONE)

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

MS/MSD DONE HERE.

SAMPLING SUMMARY SHEET

Site Name: PFOHL BROS LANDFILL
 Registry Number: 9-15-043 Region: 9
 Sampling Date: 6/5/90 Time: 16:30
 Sample Location: SWt-46 EAST SIDE OF CREEK ^{~100 FT} UPSTREAM OF RR BRIDGE
 (ID#, Grid location, etc.)
 Personnel: C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☐	Surface Water ☒
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u> </u> Depth	<u>6</u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u> </u> Type	<u>18</u> Temp °C
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 40 mL VOA BOTTLES, 1 1 LITER BNA BOTTLE, 1
PLASTIC METALS BOTTLE, 1 250 mL PCB BOTTLE.

Sample ID Numbers (Chain of Custody Number on Labels)

(NONE)

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

Site Name: PFOHL BRSS. LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/6/90 Time: 1505

Sample Location: SW4-47 20 FT UPSTREAM FROM POINT OF UNKNOWN CREEK
 (ID#, Grid location, etc.) (NORTH SIDE OF ELLICOTT)

Personnel: B. BROWN K. GLASER
C. KLATT
D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☐	Surface Water ☒
<u> </u> pH	Description	<u>6</u> pH	<u> </u> Depth	<u>6</u> pH
<u> </u> Temp		<u>19°</u> Temp C	<u> </u> Type	<u>19°</u> Temp C
<u> </u> Vol. Purged		<u> </u> Stream Depth	Description	Description
<u> </u> Depth to Water		<u> </u> Core Depth		
<u> </u> Well Volume		<u> </u> Core Recovery		
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 40 ml VOA BOTTLES, 1 250 ml PCB BOTTLE, 1 1 liter
BNA BOTTLE, 1 PLASTIC METAL BOTTLE.

Sample ID Numbers (Chain of Custody Number on Labels)

93 94 199 200 NONE

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

Site Name: PROHL BAS LANDFILL

Registry Number: 9-15-043 Region: 9

Sampling Date: 6/6/90 Time: 0830

Sample Location: SWT - 48 NERN SIDE OF CREEK, ABOUT 100' DOWNSTREAM FROM CAR BRIDGE
(ID#, Grid location, etc.)

Personnel: K. GLASER

C. KLATT

D. CAMP

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☐	Surface Water ☒
☐ pH	Description	☐ pH	☐ Depth	<u>6</u> pH
☐ Temp		☐ Temp	☐ Type	<u>16°C</u> Temp
☐ Vol. Purged		☐ Stream Depth	Description	Description
☐ Depth to Water		☐ Core Depth		
☐ Well Volume		☐ Core Recovery		
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 4ml vof bottles, 1 250ml PCB bottle, 1 1 liter Bna
Bottle, 1 Plastic METALS BOTTLE.

Sample ID Numbers (Chain of Custody Number on Labels)

201 202 95 2096

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

COULD NOT GET SEDIMENT SAMPLE @
THIS LOCATION - TOO ROCKY

SAMPLING SUMMARY SHEET

Site Name: Pfaff Bios
Registry Number: 9-15-043 Region: 9
Sampling Date: 6/7/90 Time: Purge 8-9:15
Sample Location: MW 55 Pfaff Trd CWS-49
(ID#, Grid location, etc.)
Personnel: K. Brown

SAMPLE MATRIX: (Check one)

Groundwater ☒	Waste ☐	Sediment ☐	Soil ☐	Surface Water ☐
<u>6.6</u> pH	Description	☐ pH	☐ Depth	☐ pH
☐ Temp		☐ Temp	☐ Type	☐ Temp
<u>3.5</u> Vol. Purged		☐ Stream Depth	Description	Description
<u>28</u> Depth to Water		☐ Core Depth		
☐ Well Volume		☐ Core Recovery		
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

Sample ID Numbers (Chain of Custody Number on Labels)

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

Failed to attach sample to label
Stored at site until adequate purge of 5 min

SAMPLING SUMMARY SHEET

990-157-50

Site Name: Phil Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/6/90 Time: 9:05

Sample Location: traverse 24+10 @ 1225 ft N
(ID#, Grid location, etc.)

Personnel: John R. Brown
Joe White

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>0-2'</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u> </u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

11.44 L. 2007 1.00 L. 11.00 L. 11.00 L. 11.00 L.
SSS-50

Sample ID Numbers (Chain of Custody Number on Labels)

2007 207

Photograph (Frame Numbers & Time):

100 000

Other (Sample description, special circumstance, etc.)

None found in soil

SAMPLING SUMMARY SHEET

990 - 157 - 51

Site Name: Pfaff Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/6/96 Time: 9:20

Sample Location: 24+00 @ 950' North
(ID#, Grid location, etc.)

Personnel: Joe Smith
Mike Ruman

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
☐ pH	Description	☐ pH	<u>Surface</u> ☐ 0-2' Depth	☐ pH
☐ Temp		☐ Temp	☒ Type	☐ Temp
☐ Vol. Purged		☐ Stream Depth	Description	Description
☒ Depth to Water		☐ Core Depth	<u>disturbed</u>	
☐ Well Volume		☐ Core Recovery	<u>none</u>	
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

11.44 L. 249 11.44 L. 211 21
SSS-51

Sample ID Numbers (Chain of Custody Number on Labels)

219 211

Photograph (Frame Numbers & Time):

1 6 9:25

Other (Sample description, special circumstance, etc.)

Sample taken on road just west of landfill
near 11.44 L. 249 & 11.44 L. 211

SAMPLING SUMMARY SHEET

990-157-52

Site Name: Philly Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/6/90 Time: 0936

Sample Location: 23+50 @ ~~the~~ 700 ft North
(ID#, Grid location, etc.)

Personnel: J. White
Mike Ruman

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>0-2"</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u>6</u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u> </u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

100% 205 1500 ft. S.C. 821
SSS-52

Sample ID Numbers (Chain of Custody Number on Labels)

205 215

Photograph (Frame Numbers & Time):

12 @ 0940

Other (Sample description, special circumstance, etc.)

Our house was going to be built
but my house was cancelled and I

SAMPLING SUMMARY SHEET

990-157-53

Site Name: Phillips Petroleum Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/6/96 Time: 0957

Sample Location: Ad Site Location #3 between two signs
(ID#, Grid location, etc.)

Personnel: John Hite
Mike Renard

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u>0.2"</u> pH	Description	<u>0.2"</u> pH	Depth	<u>0.2"</u> pH
Temp		Temp	Type	Temp
Vol. Purged		Stream Depth	Description	Description
Depth to Water		Core Depth		
Well Volume		Core Recovery		
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

1 L. L. (210) 1 L. L. (210)
155-53

Sample ID Numbers (Chain of Custody Number on Labels)

217 218

Photograph (Frame Numbers & Time):

14

Other (Sample description, special circumstance, etc.)

Remnant of red ochre paint

SAMPLING SUMMARY SHEET

990-157-54

Site Name: Pike Broken Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/6/90 Time: 1158

Sample Location: Address: Be street from 1st E. street at T. & D. Ave.
 (ID#, Grid location, etc.) 350' North

Personnel: J. F. White
Mike P. ...

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil <u>Surface</u> ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>0-2'</u> Depth <u> </u>	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u> </u> Type <u> </u>	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u>Soil in the</u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u>red dirt</u>	<u> </u>
		Description <u> </u>	<u>garbage</u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

16.46 L. 221 16.46 L. 222
SSS-554

Sample ID Numbers (Chain of Custody Number on Labels)

221 222

Photograph (Frame Numbers & Time):

15 16.00

Other (Sample description, special circumstance, etc.)

1. chunky black clay - ground
2. soil sample

SAMPLING SUMMARY SHEET

Site Name: _____

Registry Number: _____

Sampling Date: _____

Sample Location: _____

(ID#, Grid location, etc.)

Personnel: _____

Region: _____

Time: _____

SAMPLE MATRIX: (Check one)

Groundwater _____

Waste _____

Sediment _____

Soil _____

Surface Water _____

_____ pH

Description _____

_____ pH

0-2" Depth _____

_____ pH

_____ Temp

_____ Temp

_____ Type

_____ Temp

_____ Vol. Purged

_____ Stream Depth

Description _____

Description _____

_____ Depth to Water

_____ Core Depth

Background _____

_____ Well Volume

_____ Core Recovery

Sample _____

Description _____

Type Sample: Grab ☒

Composite _____

Other _____

Sample Containers: (Describe volume and number)

Sample ID Numbers (Chain of Custody Number on Labels)

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

770-157-56

Site Name: Pfaff Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/6/90 Time: ~~2:55~~ 3:50

Sample Location: ~~East of the creek & back of the house~~ 300 ft. from house
 (ID#, Grid location, etc.) 77 Pfaff Road

Personnel: Mike Ruman 8 yds. from house in back yard
toward the creek

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>0-2"</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	<u>G</u> Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u> </u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u>~~Sampled~~</u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u>Sampled</u>	<u> </u>
		Description <u> </u>	<u>bed mostly</u>	<u> </u>
			<u>silt</u>	

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number) SSS-56
1 1/2 gal. jar (233) 1 1/2 gal. jar Sol C (234)
1 1/2 gal. jar (235) 1 1/2 gal. jar Sol C (236)

Sample ID Numbers (Chain of Custody Number on Labels)
231 232 233 234

Photograph (Frame Numbers & Time):
1 - 6 3:00 PM

Other (Sample description, special circumstance, etc.)

990-157-57

SAMPLING SUMMARY SHEET

Site Name: P. J. L. Buckner Lane G.C.
 Registry Number: 09-15-043 Region: 9
 Sampling Date: 6/6/90 Time: 4:15 PM
 Sample Location: 75 P.J.L. Rd, Chris R. Buckner ~~State of the Home~~
 (ID#, Grid location, etc.) ~~in the garden~~ (in the garden)
 Personnel: Joe P. L.
Mike Rivaia
Pat Nelson

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Surface Soil ☒	Surface Water ☐
<u> </u> pH	Description <u> </u>	<u> </u> pH	<u>9-12"</u> Depth	<u> </u> pH
<u> </u> Temp	<u> </u>	<u> </u> Temp	☒ Type	<u> </u> Temp
<u> </u> Vol. Purged	<u> </u>	<u> </u> Stream Depth	Description <u>Garden</u>	Description <u> </u>
<u> </u> Depth to Water	<u> </u>	<u> </u> Core Depth	<u>Soil</u>	<u> </u>
<u> </u> Well Volume	<u> </u>	<u> </u> Core Recovery	<u> </u>	<u> </u>
		Description <u> </u>	<u> </u>	<u> </u>

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)
1 bottle for drink 235 1 bottle for soil (237)
SSS-57

Sample ID Numbers (Chain of Custody Number on Labels)

235 237

Photograph (Frame Numbers & Time):

18 (4:50 PM)

Other (Sample description, special circumstance, etc.)

999-157-58

SAMPLING SUMMARY SHEET

Site Name: Phil's Better Landfill
Registry Number: 09-15-043 Region: 9
Sampling Date: 6/6/90 Time: 4:29
Sample Location: behind Phil's Rd, 75 Phil's Rd, Chris Residence
(ID#, Grid location, etc.) SSS-58
Personnel: J. D. Hise
Mike Ruvava
Pat Nelson

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	Soil <u>Surface</u> ☒	Surface Water ☐
☐ pH	Description	☐ pH	<u>9-12"</u> Depth	☐ pH
☐ Temp		☐ Temp	<u>C</u> Type	☐ Temp
☐ Vol. Purged		☐ Stream Depth	Description	Description
☒ Depth to Water		☐ Core Depth		
☐ Well Volume		☐ Core Recovery		
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)
16.4L, 200 200 16.4L SDC 240

Sample ID Numbers (Chain of Custody Number on Labels)
241 240

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

990-157-59

Site Name: Phil's Brothers Landfill

Registry Number: 09-15-043 Region: 9

Sampling Date: 6/6/90 Time: 4:40

Sample Location: 75 Phil's Road, Clinic Residence Surface water
 (ID#, Grid location, etc.) SSS 5-9 yard

Personnel: Mike Rivaia
Joe DeRato
Paul Nielson

SAMPLE MATRIX: (Check one)

Groundwater ☐	Waste ☐	Sediment ☐	<u>Surface</u> Soil ☒	Surface Water ☐
☐ pH	Description	☐ pH	<u>0-2"</u> Depth	☐ pH
☐ Temp		☐ Temp	☒ Type	☐ Temp
☐ Vol. Purged		☐ Stream Depth	Description	Description
☒ Depth to Water		☐ Core Depth	<u>Surface Soil</u>	
☐ Well Volume		☐ Core Recovery		
		Description		

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

1 bottle for dioxin 243 1 bottle for EPC 245

Sample ID Numbers (Chain of Custody Number on Labels)

243 245 _____

Photograph (Frame Numbers & Time):

20

Other (Sample description, special circumstance, etc.)

SAMPLING SUMMARY SHEET

Site Name: Pfohl Bros
 Registry Number: 9-15-043 Region: 9
 Sampling Date: 6/17/90 Time: 2:10 pm
 Sample Location: MW 125 GWS-60
 (ID#, Grid location, etc.)
 Personnel: B. Brower

SAMPLE MATRIX: (Check one)

Groundwater ☒	Waste ☐	Sediment ☐	Soil ☐	Surface Water ☐
<u>1.6-6.6</u> pH	Description	pH	Depth	pH
Temp		Temp	Type	Temp
<u>4</u> Vol. Purged		Stream Depth	Description	Description
<u>2.6</u> Depth to Water		Core Depth		
<u>1.5</u> Well Volume		Core Recovery		
	Description			

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 40 ml VOC
Sample collected at site recently

Sample ID Numbers (Chain of Custody Number on Labels)

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

Transt 2nd, recharged 1st 2nd
4th Val clear
pH stable below 2 dms water level
Considered adequate

SAMPLING SUMMARY SHEET

Site Name: _____

Registry Number: _____ Region: 9

Sampling Date: 6/17/90 Time: 2:20

Sample Location: 95 GWS-61
(ID#, Grid location, etc.)

Personnel: K. Brown
C. Klatt
J. White

SAMPLE MATRIX: (Check one)

Groundwater <u>1</u>	Waste _____	Sediment _____	Soil _____	Surface Water _____
<u>6.6</u> pH	Description _____	_____ pH	_____ Depth	_____ pH
_____ Temp	_____	_____ Temp	_____ Type	_____ Temp
<u>5.4</u> Vol. Purged	_____	_____ Stream Depth	Description _____	Description _____
<u>7</u> Depth to Water	_____	_____ Core Depth	_____	_____
<u>1.3</u> Well Volume	_____	_____ Core Recovery	_____	_____
		Description _____	_____	_____

Type Sample: Grab ☒ Composite _____ Other _____

Sample Containers: (Describe volume and number)

2 40 ml

Sample ID Numbers (Chain of Custody Number on Labels)

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

Water level - 10.00 ft
10.00 ft - 10.00 ft

SAMPLING SUMMARY SHEET

Site Name: Pfohl Bros
Registry Number: 9-15-043 Region: 9
Sampling Date: 6-8-90 Time: 9:15
Sample Location: MW 3D GWS-62
(ID#, Grid location, etc.)
Personnel: B. Brown
J. White

SAMPLE MATRIX: (Check one)

Groundwater ☒	Waste ☐	Sediment ☐	Soil ☐	Surface Water ☐
<u>-6-6-6</u> pH	Description	_____ pH	_____ Depth	_____ pH
_____ Temp	_____	_____ Temp	_____ Type	_____ Temp
<u>4 1/2</u> Vol. Purged	_____	_____ Stream Depth	Description	Description
<u>6.2</u> Depth to Water	_____	_____ Core Depth	_____	_____
<u>2 gal</u> Well Volume	_____	_____ Core Recovery	_____	_____
	_____	Description	_____	_____

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 40ml vial

Sample ID Numbers (Chain of Custody Number on Labels)

Photograph (Frame Numbers & Time):

Other (Sample description, special circumstance, etc.)

purged 90-95 gal by bailer, water
clear after 2 gal

SAMPLING SUMMARY SHEET

Site Name: PFOH1 Bros
 Registry Number: 9-15-043 Region: 9
 Sampling Date: 6-8-90 Time: 11:
 Sample Location: MW 35 BWS-63
 (ID#, Grid location, etc.)
 Personnel: B. Brown
J. White

SAMPLE MATRIX: (Check one)

Groundwater ☒	Waste ☐	Sediment ☐	Soil ☐	Surface Water ☐
<u>5-6-6-6-6</u> pH	Description	_____ pH	_____ Depth	_____ pH
_____ Temp	_____	_____ Temp	_____ Type	_____ Temp
<u>5</u> Vol. Purged	_____	_____ Stream Depth	Description	Description
<u>3.45</u> Depth to Water	_____	_____ Core Depth	_____	_____
<u>1</u> Well Volume	_____	_____ Core Recovery	_____	_____
		Description	_____	_____

Type Sample: Grab ☒ Composite ☐ Other ☐

Sample Containers: (Describe volume and number)

2 40ml UGA

Sample ID Numbers (Chain of Custody Number on Labels)

Photograph (Frame Numbers & Time):

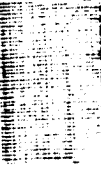
Other (Sample description, special circumstance, etc.)

Water cleared after 2 vol, then
became cloudy as near dryness
let recharge 2-3 hrs

APPENDIX C

Laboratory Analysis

STR--1
Aard Creek



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#1

PERCENT SOLIDS: 44.0

SAMPLE NUMBER: 990-155-19

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *0B99A

ANALYSIS DATE: 6/12/90

DATA FILE NO.: 9000B99A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #1

% SOLID: 44

SAMPLE NUMBER: 990-155-19

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1F43A

ANALYSIS DATE: 6/20/90

DATA FILE NO.: 9001F43A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 380)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Diethylphthalate - 15
Isophorone	ND	Di-n-butylphthalate - 150
2-Nitrophenol	ND	Bis(ethylhexyl)
2 4-Dimethylphenol	ND	phthalate - 3200
bis(2-chloroethoxy)Methane	ND	Di-n-octylphthalate - 150
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-Trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	650	
Acenaphthene	66	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	91	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	16
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	810
Anthracene	650
Delta-EHC	ND
Heptachlor	ND
Di-N-Butylphthalate	40
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	1600
Pyrene	1300
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	720
Benzo (a) Anthracene	1100
bis(2-Ethylhexyl)Phthalate	4200
Di-N-Octyl Phthalate	32
Benzo(b/k)Fluoranthene	1600
Benzo(a)Pyrene	770
Indeno(1,2,3-cd)Pyrene	480
Dibenz(a,h)Anthracene	250
Benzo(g,h,i)Perylene	250

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFHOL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-155-19

FIELD ID: SED #1

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/8/90

ARCHIVE NUMBER: P15519

MATRIX: SOIL

% SOLID: NA

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: NEG

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-1
 Lab ID: 053181-0004-SA Enseco ID: 151785
 Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 17 JUN 90

Sample Amount 10.1G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	3.8	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	1.5	pg/g	--	

% Recovery

13C-2,3,7,8-TCDF	75
13C-2,3,7,8-TCDD	86

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC

Client ID: RB090 0604 915042

Lab ID: 053181-0004-SA

Matrix: SOIL

Authorized: 09 JUN 90

Enseco ID: 151785

Sampled: 04 JUN 90

Prepared: 17 JUN 90

Received: 07 JUN 90

Analyzed:

Sample Amount 10.1 G

Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	77	pg/g	--	
2,3,7,8-TCDF	4.2	pg/g	--	
PeCDFs (total)	47	pg/g	--	
1,2,3,7,8-PeCDF	2.2	pg/g	--	
2,3,4,7,8-PeCDF	3.9	pg/g	--	
HxCDFs (total)	49	pg/g	--	
1,2,3,4,7,8-HxCDF	6.8	pg/g	--	
1,2,3,6,7,8-HxCDF	2.5	pg/g	--	
2,3,4,6,7,8-HxCDF	0.98	pg/g	--	
1,2,3,7,8,9-HxCDF	5.8	pg/g	--	
HpCDFs (total)	48	pg/g	--	
1,2,3,4,6,7,8-HpCDF	20	pg/g	--	
1,2,3,4,7,8,9-HpCDF	1.8	pg/g	--	
OCDF	53	pg/g	--	

Dioxins

TCDDs (total)	14	pg/g	--	
2,3,7,8-TCDD	1.7	pg/g	--	
PeCDDs (total)	21	pg/g	--	
1,2,3,7,8-PeCDD	1.7	pg/g	--	
HxCDDs (total)	43	pg/g	--	
1,2,3,4,7,8-HxCDD	1.5	pg/g	--	
1,2,3,6,7,8-HxCDD	3.8	pg/g	--	
1,2,3,7,8,9-HxCDD	4.4	pg/g	--	
HpCDDs (total)	130	pg/g	--	
1,2,3,4,6,7,8-HpCDD	71	pg/g	--	
OCDD	460	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By:

Approved By:

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC

Client ID: RB090 0604 915043-1

Lab ID: 053181-0004-SA

Enseco ID: 151785

Matrix: SOIL

Sampled: 04 JUN 90

Authorized: 09 JUN 90

Prepared: 17 JUN 90

Received: 07 JUN 90

Analyzed:

Sample Amount 10.1 G

Percent Moisture NA

% Recovery

13C-2,3,7,8-TCDF

105

13C-2,3,7,8-TCDD

117

13C-1,2,3,7,8-PeCDD

161

13C-1,2,3,6,7,8-HxCDD

117

13C-1,2,3,4,6,7,8-HpCDD

119

13C-OCDD

100

ND = Not detected

NA = Not applicable

Reported By:

Approved By:

The cover letter is an integral part of this report.

Rev 230787

STR-2

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#2

PERCENT SOLIDS: 56.0

SAMPLE NUMBER: 990-155-06

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *2C59A

ANALYSIS DATE: 6/7/90

DATA FILE NO.: 9002C59A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #2

% SOLID: 56

SAMPLE NUMBER: 990-155-06

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *0E78A

ANALYSIS DATE: 6/14/90

DATA FILE NO.: 9000E78A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 300)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Diethylphthalate - 12
Isophorone	ND	Dibutylphthalate - 120
2-Nitrophenol	ND	Bis(ethylhexyl)
2 4-Dimethylphenol	ND	phthalate - 2500
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	29	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	30
2-Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	71
Anthracene	28
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	84
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	230
Pyrene	190
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	72
Benzo (a) Anthracene	140
bis(2-Ethylhexyl)Phthalate	1100
Di-N-Octyl Phthalate	ND
Benzo(a)Pyrene	250
Indeno(1,2,3-cd)Pyrene	ND
Dibenz(a,h)Anthracene	ND
Benzo(g,h,i)Perylene	57

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-06

FIELD ID: SED #2

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/7/90

ARCHIVE NUMBER: P15506

MATRIX: SOIL

% SOLID: 56

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-2
Lab ID: 053181-0005-SA Enseco ID: 151786
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90 Received: 07 JUN 90

Sample Amount 9.90G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
Analyzed: 29 JUN 90

2,3,7,8-TCDF	ND	pg/g	0.26	

Dioxins

Column Type: DB-DXN
Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.30	

% Recovery

13C-2,3,7,8-TCDF
13C-2,3,7,8-TCDD

59
66

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi 

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043
Lab ID: 053181-0005-SA Inseco ID: 151786
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed:

Sample Amount 9.90 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	3.2	pg/g	--	
2,3,7,8-TCDF	ND	pg/g	0.35	
PeCDFs (total)	0.71	pg/g	--	
1,2,3,7,8-PeCDF	0.14	pg/g	--	
2,3,4,7,8-PeCDF	0.27	pg/g	--	
HxCDFs (total)	1.8	pg/g	--	
1,2,3,4,7,8-HxCDF	0.27	pg/g	--	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.94	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.94	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.94	
HpCDFs (total)	1.7	pg/g	--	
1,2,3,4,6,7,8-HpCDF	0.39	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.17	
OCDF	1.9	pg/g	--	
Dioxins				
TCDDs (total)	ND	pg/g	0.21	
2,3,7,8-TCDD	ND	pg/g	0.21	
PeCDDs (total)	0.25	pg/g	--	
1,2,3,7,8-PeCDD	0.25	pg/g	--	
HxCDDs (total)	2.1	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.26	
1,2,3,6,7,8-HxCDD	ND	pg/g	0.26	
1,2,3,7,8,9-HxCDD	0.54	pg/g	--	
HpCDDs (total)	8.0	pg/g	--	
1,2,3,4,6,7,8-HpCDD	4.3	pg/g	--	
OCDD	35	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By:

Approved By:

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-2
Lab ID: 053181-0005-SA Enseco ID: 151786
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed:

Sample Amount 9.90 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	83
13C-2,3,7,8-TCDD	98
13C-1,2,3,7,8-PeCDD	125
13C-1,2,3,6,7,8-HxCDD	75
13C-1,2,3,4,6,7,8-HpCDD	91
13C-OCDD	78

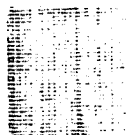
ND = Not detected
NA = Not applicable

Reported By:

Approved By:

The cover letter is an integral part of this report.
Rev 230787

518-3



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#3

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-157-01

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *2C66A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9002C66A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #3

% SOLID: 41

SAMPLE NUMBER: 990-157-01

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E81A

ANALYSIS DATE: 7/17/90

DATA FILE NO.: 9001E81A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 410)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	660	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	680	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	90	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	
~~Fluorene~~	~~110~~	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	78	B= 81
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	510	
Anthracene	700	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	110	B= 150
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	2300	
Pyrene	1300	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	880	
Benzo (a) Anthracene	640	
bis(2-Ethylhexyl)Phthalate	1900	B= 2300
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	1800	
Benzo(a)Pyrene	590	
Indeno(1,2,3-cd)Pyrene	1600	
Dibenz(a,h)Anthracene	1000	
Benzo(g,h,i)Perylene	1100	

HIGH RESOLUTION

Client Name: New York State DEC

Client ID: RB090 0604 915043-3

Lab ID: 053183-0006-SA

Matrix: SOIL

Authorized: 09 JUN 90

Enseco ID: 151812

Sampled: 06 JUN 90

Prepared: 19 JUN 90

Received: 07 JUN 90

Sample Amount 10.0 G

Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN

Analyzed: 02 JUL 90

2,3,7,8-TCDF

2.2

pg/g

--

Dioxins

Column Type: DB-DXN

Analyzed: 02 JUL 90

2,3,7,8-TCDD

ND

pg/g

0.64

% Recovery

13C-2,3,7,8-TCDF

37

13C-2,3,7,8-TCDD

36

ND = Not detected

NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report. 

Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-01

FIELD ID: SED #3

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/25/90

ARCHIVE NUMBER: P15701

MATRIX: SOIL

% SOLID: 87.5

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

518-4

1971

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#4

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-157-02

MATRIX:SOIL

SUBMISSION DATE:6/8/90

ARCHIVE NO.:*2C67A

ANALYSIS DATE:6/13/90

DATA FILE NO.:9002C67A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #4

% SOLID: 44

SAMPLE NUMBER: 990-157-02

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E82A

ANALYSIS DATE: 7/17/90

DATA FILE NO.: 9001E82A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 380)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
▲ 4-Dichlorobenzene	22	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
✓ Dibenzofuran	72	
4-Nitrophenol	ND	

COMPOUND	CONC (ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	18	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	ND	
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	1400	
Anthracene	3100	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	ND	
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	4900	
Pyrene	2500	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	1600	
Benzo (a) Anthracene	1200	
bis(2-Ethylhexyl)Phthalate	1900	BE= 2100
Di-N-Octyl Phthalate	ND	
Benzo(b/k)fluoranthene	4000	
Benzo(a)Pyrene	1300	
Indeno(1,2,3-cd)Pyrene	3700	
Dibenz(a,h)Anthracene	2300	
Benzo(g,h,i)Perylene	3800	

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC

Client ID: RB090 0604 915043-4

Lab ID: 053183-0007-SA

Enseco ID: 151813

Matrix: SOIL

Sampled: 06 JUN 90

Received: 07 JUN 90

Authorized: 09 JUN 90

Prepared: 19 JUN 90

Sample Amount 10.0 G

Percent Moisture NA

Parameter

Result

Units

Detection
LimitData
Qualifiers

Furans

Column Type: DB-DXN

Analyzed: 29 JUN 90

2,3,7,8-TCDF

1.8

pg/g

--

Dioxins

Column Type: DB-DXN

Analyzed: 29 JUN 90

2,3,7,8-TCDD

0.64

pg/g

--

% Recovery

13C-2,3,7,8-TCDF

80

13C-2,3,7,8-TCDD

91

ND = Not detected

NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

2,3,7,8-TCDD/TCDF

QUALITY CONTROL SUMMARY

Client Name: New York State DEC
 Client ID: RB090 0604 915043-4 Matrix Spike
 Lab ID: 053183-0007 MS Enseco ID: 151814
 Matrix: SOIL Sampled: 06 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 19 JUN 90

Sample Amount: 10.1 G

Parameters	pg/g Found in Sample	pg/g Spiked	pg/g Found in MS Sample	% Recovery

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	1.8	65	81	122

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	0.64	50	45	89

% Recovery

13C-2,3,7,8-TCDF	81
13C-2,3,7,8-TCDD	89

ND=Not Detected
 NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
 Version 070187

2,3,7,8-TCDD/TCDF

QUALITY CONTROL SUMMARY

Client Name: New York State DEC
 Client ID: RB090 0604 915043-4 Matrix Spike Duplicate
 Lab ID: 053183-0007 MSD Enseco ID: 151815
 Matrix: SOIL Sampled: 06 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 19 JUN 90

Sample Amount: 10.1 G

Parameters	pg/g Found in Sample	pg/g Spiked	pg/g Found in MS Sample	% Recovery

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	1.8	65	84	126

Dioxins

Column Type: DB-5
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	0.64	50	45	89

% Recovery

13C-2,3,7,8-TCDF	71
13C-2,3,7,8-TCDD	82

ND=Not Detected
 NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
 Version 070187

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-02

FIELD ID: STR #4

DATE RECEIVED: 6/4/90

ANALYSIS DATE: 8/24/90

ARCHIVE NUMBER: P15702

MATRIX: SOIL

% SOLID: NA

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

STR--S

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#5

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-157-03

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *2C69A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9002C69A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbon tetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #5

% SOLID: 49

SAMPLE NUMBER: 990-157-03

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E85A

ANALYSIS DATE: 7/22/90

DATA FILE NO.: 9001E85A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	
Aniline	ND	Detection limit - CRDL
Bis(2-Chloroethyl)Ether	ND	(Pesticide detection limit - 340)
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	
1 2-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
Benzyl Alcohol	ND	reported as the sum of the isomers
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	97	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	14	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	16	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	30	B= 68
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	71	
Anthracene	92	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	93	
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	300	
Pyrene	180	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	130	
Benzo (a) Anthracene	100	
Bis(2-Ethylhexyl)Phthalate	1200	B= 1900
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	140	
Benzo(a)Pyrene	110	
Indeno(1,2,3-cd)Pyrene	250	
Dibenz(a,h)Anthracene	130	
Benzo(g,h,i)Perylene	300	

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC

Client ID: RB090 0604 915043-5

Lab ID: 053183-0005-SA

Enseco ID: 151810

Matrix: SOIL

Sampled: 06 JUN 90

Received: 07 JUN 90

Authorized: 09 JUN 90

Prepared: 19 JUN 90

Sample Amount 10.0 G

Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN

Analyzed: 29 JUN 90

2,3,7,8-TCDF

0.53

pg/g

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Dioxins

Column Type: DB-DXN

Analyzed: 29 JUN 90

2,3,7,8-TCDD

ND

pg/g

0.25

% Recovery

13C-2,3,7,8-TCDF

59

13C-2,3,7,8-TCDD

64

ND = Not detected

NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-03

FIELD ID: STR #5

DATE RECEIVED: 6/4/90

ANALYSIS DATE: 8/24/90

ARCHIVE NUMBER: P15703

MATRIX: SOIL

% SOLID: NA

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

578-6

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#6

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-157-04

MATRIX:SOIL

SUBMISSION DATE:6/8/90

ARCHIVE NO.:*2C70A

ANALYSIS DATE:6/13/90

DATA FILE NO.:9002C70A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #6 % SOLID: 50

SAMPLE NUMBER: 990-157-04 MATRIX: SOIL

SUBMISSION DATE: 6/8/90 ARCHIVE NO.: *1E86A

ANALYSIS DATE: 7/22/90 DATA FILE NO.: 9001E86A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 330)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	130	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	23	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

CON'T SAMPLE NUMBER: 990-157-04

DATA FILE:9001E86A

page 2

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	23	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	30	B= 67
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	180	
Anthracene	130	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	33	B= 130
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	470	
Pyrene	420	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Alcohol	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	39	B= 13
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	260	
Benzo (a) Anthracene	220	
bis(2-Ethylhexyl)Phthalate	1600	B= 1900
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	330	
Benzo(a)Pyrene	350	
Indeno(1,2,3-cd)Pyrene	410	
Dibenz(a,h)Anthracene	130	
Benzo(g,h,i)Perylene	520	

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-6
 Lab ID: 053183-0003-SA Enseco ID: 151808
 Matrix: SOIL Sampled: 06 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 19 JUN 90

Sample Amount 10.1 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 28 JUN 90

2,3,7,8-TCDF	2.3	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 28 JUN 90

2,3,7,8-TCDD	1.8	pg/g	--	

% Recovery

13C-2,3,7,8-TCDF	44
13C-2,3,7,8-TCDD	44

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-04

FIELD ID: SED #6

DATE RECEIVED: 6/4/90

ANALYSIS DATE: 8/25/90

ARCHIVE NUMBER: P15704

MATRIX: SOIL

% SOLID: 50

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

518--7

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#7

PERCENT SOLIDS: 64.0

SAMPLE NUMBER:990-156-12

MATRIX:SOIL

SUBMISSION DATE:6/6/90

ARCHIVE NO.:*2C62A

ANALYSIS DATE:6/7/90

DATA FILE NO.:9002C62A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #7

% SOLID: 64

SAMPLE NUMBER: 990-156-12

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1F48A

ANALYSIS DATE: 6/21/90

DATA FILE NO.: 9001F48A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 260)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs reported
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Isophorone - 100
Isophorone	48	Diethylphthalate - 10
2-Nitrophenol	ND	Di-n-butylphthalate - 10
2 4-Dimethylphenol	ND	Bis(ethylhexyl)
bis(2-chloroethoxy)Methane	ND	phthalate - 2200
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	390	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	69	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	77	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	77
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	240
Anthracene	410
Delta-BHC	ND
Heptachlor	ND
Di-N-Eutylphthalate	130
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	1200
Pyrene	1100
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	410
Benzo (a) Anthracene	590
bis(2-Ethylhexyl)Phthalate	1100
Di-N-Octyl Phthalate	ND
Benzo(b/k)Fluoranthene	2300
Benzo(a)Pyrene	370
Indeno(1,2,3-cd)Pyrene	380
Dibenz(a,h)Anthracene	150
Benzo(g,h,i)Perylene	430

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-12

FIELD ID: SED STR #7

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/8/90

ARCHIVE NUMBER: P15612

MATRIX: SOIL

% SOLID: 64

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND 0 DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND 0

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND 0 DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND 0

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND 0 DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND 0

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND 0 DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND 0

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND 0 DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND 0

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND 0 DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND 0

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND 0 DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND 0

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-7
 Lab ID: 053182-0005-SA Enseco ID: 151797
 Matrix: SOIL Sampled: 05 JUN 90
 Authorized: 09 JUN 90 Prepared: 18 JUN 90 Received: 07 JUN 90

Sample Amount 10.0 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: SP-2331
 Analyzed: 21 AUG 90

2,3,7,8-TCDF	ND	pg/g	0.19	

Dioxins

Column Type: DB-5
 Analyzed: 26 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.56	

% Recovery

13C-2,3,7,8-TCDF	25
13C-2,3,7,8-TCDD	53

ND = Not detected
 NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

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STA--8

3

4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#8

PERCENT SOLIDS: 52.0

SAMPLE NUMBER:990-156-07

MATRIX:SOIL

SUBMISSION DATE:6/6/90

ARCHIVE NO.:*2C60A

ANALYSIS DATE:6/7/90

DATA FILE NO.:9002C60A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #8

% SOLID: 52

SAMPLE NUMBER: 990-156-07

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1F46A

ANALYSIS DATE: 6/21/90

DATA FILE NO.: 9001F46A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 320)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Diethylphthalate - 13
Isophorone	ND	Di-n-butylphthalate - 130
2-Nitrophenol	ND	Bis(ethylhexyl)
2 4-Dimethylphenol	ND	phthalate - 2700
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	150	
Dimethyl Pthalate	26	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	29
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	140
Anthracene	180
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	94
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	580
Pyrene	490
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	210
Benzo (a) Anthracene	370
bis(2-Ethylhexyl)Phthalate	2900
Di-N-Octyl Phthalate	ND
Benzo(b/k)Fluoranthene	1400
Benzo(a)Pyrene	300
Indeno(1,2,3-cd)Pyrene	340
Dibenz(a,h)Anthracene	200
Benzo(g,h,i)Perylene	400

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-07

FIELD ID: STR. #8

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/7/90

ARCHIVE NUMBER: P15607

MATRIX: SOIL

% SOLID: 52

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***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION**

Client Name: New York State DEC
 Client ID: RB090 0604 915043-8
 Lab ID: 053182-0006-SA Enseco ID: 151798
 Matrix: SOLID Sampled: 05 JUN 90 Received: 07 JUN 90
 Authorized: 07 JUN 90 Prepared: 05 JUL 90 Analyzed: 13 JUL 90

Sample Amount: 10.2 G
 Column: DB-5

Parameter	Result	Units	Detection Limit
Furans			
TCDFs (total)	24	pg/g	--
2,3,7,8-TCDF	2.7	pg/g	--
PeCDFs (total)	15	pg/g	--
1,2,3,7,8-PeCDF	ND	pg/g	0.90
2,3,4,7,8-PeCDF	2.6	pg/g	--
HxCDFs (total)	17	pg/g	--
1,2,3,4,7,8-HxCDF	3.3	pg/g	--
1,2,3,6,7,8-HxCDF	ND	pg/g	0.91
2,3,4,6,7,8-HxCDF	3.8	pg/g	--
1,2,3,7,8,9-HxCDF	ND	pg/g	0.91
HpCDFs (total)	30	pg/g	--
1,2,3,4,6,7,8-HpCDF	12	pg/g	--
1,2,3,4,7,8,9-HpCDF	18	pg/g	--
OCDF	41	pg/g	--
Dioxins			
TCDDs (total)	3.7	pg/g	--
2,3,7,8-TCDD	0.45	pg/g	--
PeCDDs (total)	1.3	pg/g	--
1,2,3,7,8-PeCDD	ND	pg/g	0.60
HxCDD (total)	18	pg/g	--
1,2,3,4,7,8-HxCDD	ND	pg/g	0.73
1,2,3,6,7,8-HxCDD	2.9	pg/g	--
1,2,3,7,8,9-HxCDD	ND	pg/g	2.6
HpCDDs (total)	80	pg/g	--
1,2,3,4,6,7,8-HpCDD	43	pg/g	--
OCDD	270	pg/g	--

(continued on following page)

ND=Not Detected
 NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-8
Lab ID: 053182-0006-SA Enseco ID: 151798
Matrix: SOLID Sampled: 05 JUN 90 Received: 07 JUN 90
Authorized: 07 JUN 90 Prepared: 05 JUL 90 Analyzed: 13 JUL 90

Sample Amount: 10.2 G
Column: DB-5

	% Recovery
13C-2,3,7,8-TCDF	104
13C-2,3,7,8-TCDD	70
13C-1,2,3,7,8-PeCDD	98
13C-1,2,3,6,7,8-HxCDD	128
13C-1,2,3,4,6,7,8-HpCDD	79
13C-OCDD	63

ND=Not Detected
NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

57A--9

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#9

PERCENT SOLIDS: 49.0

SAMPLE NUMBER: 990-155-25

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *2C52A

ANALYSIS DATE: 6/6/90

DATA FILE NO.: 9002C52A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #9

% SOLID: 49

SAMPLE NUMBER: 990-155-25

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1E07A

ANALYSIS DATE: 6/21/90

DATA FILE NO.: 9001E07A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 340)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	46	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Diethylphthalate - 14
Isophorone	ND	Di-n-butylphthalate - 140
2-Nitrophenol	ND	Bis(ethylhexyl)
2 4-Dimethylphenol	ND	phthalate - 2900
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	39	
Acenaphthene	19	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	390	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	18	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	35
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	91
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	68
Anthracene	50
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	51
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	120
Pyrene	96
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	55
Benzo (a) Anthracene	47
bis(2-Ethylhexyl)Phthalate	1300
Di-N-Octyl Phthalate	ND
Benzo(b/k)fluoranthene	140
Benzo(a)Pyrene	59
Indeno(1,2,3-cd)Pyrene	ND
Dibenz(a,h)Anthracene	60
Benzo(g,h,i)Perylene	120

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-25

FIELD ID: SED #9

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 7/31/90

ARCHIVE NUMBER: P15525

MATRIX: SOIL

% SOLID: 49

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

A CORNING Company

Client Name: New York State DEC
Client ID: RB090 0604 915043-9
Lab ID: 053182-0007-SA Enseco ID: 151799
Matrix: SOLID Sampled: 05 JUN 90 Received: 07 JUN 90
Authorized: 07 JUN 90 Prepared: 05 JUL 90 Analyzed: 13 JUL 90

Sample Amount: 10.0 G
Column: DB-5

Parameter	Result	Units	Detection Limit
Furans			
TCDFs (total)	7.7	pg/g	--
2,3,7,8-TCDF	1.1	pg/g	--
PeCDFs (total)	9.7	pg/g	--
1,2,3,7,8-PeCDF	ND	pg/g	0.62
2,3,4,7,8-PeCDF	1.9	pg/g	--
HxCDFs (total)	11	pg/g	--
1,2,3,4,7,8-HxCDF	2.8	pg/g	--
1,2,3,6,7,8-HxCDF	ND	pg/g	0.87
2,3,4,6,7,8-HxCDF	2.3	pg/g	--
1,2,3,7,8,9-HxCDF	ND	pg/g	0.59
HpCDFs (total)	22	pg/g	--
1,2,3,4,6,7,8-HpCDF	11	pg/g	--
1,2,3,4,7,8,9-HpCDF	ND	pg/g	1.0
OCDF	23	pg/g	--
Dioxins			
TCDDs (total)	1.6	pg/g	--
2,3,7,8-TCDD	ND	pg/g	0.61
PeCDDs (total)	1.3	pg/g	--
1,2,3,7,8-PeCDD	ND	pg/g	0.55
HxCDD (total)	7.9	pg/g	--
1,2,3,4,7,8-HxCDD	ND	pg/g	0.41
1,2,3,6,7,8-HxCDD	ND	pg/g	1.1
1,2,3,7,8,9-HxCDD	ND	pg/g	0.41
HpCDDs (total)	28	pg/g	--
1,2,3,4,6,7,8-HpCDD	15	pg/g	--
OCDD	130	pg/g	--

(continued on following page)

ND=Not Detected
NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

A CORNING Company

Client Name: New York State DEC
Client ID: RB090 0604 915043-9
Lab ID: 053182-0007-SA Enseco ID: 151799
Matrix: SOLID Sampled: 05 JUN 90 Received: 07 JUN 90
Authorized: 07 JUN 90 Prepared: 05 JUL 90 Analyzed: 13 JUL 90

Sample Amount: 10.0 G
Column: DB-5

% Recovery

13C-2,3,7,8-TCDF	111
13C-2,3,7,8-TCDD	75
13C-1,2,3,7,8-PeCDD	99
13C-1,2,3,6,7,8-HxCDD	127
13C-1,2,3,4,6,7,8-HpCDD	87
13C-OCDD	66

ND=Not Detected
NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

STR--10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#10

PERCENT SOLIDS: 41.0

SAMPLE NUMBER: 990-156-17

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *0B97A

ANALYSIS DATE: 6/12/90

DATA FILE NO.: 900B97A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	15.000	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	87.000	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	49.000	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #10 % SOLID: 41

SAMPLE NUMBER: 990-156-17 MATRIX: SOIL

SUBMISSION DATE: 6/6/90 ARCHIVE NO.: *1F50A

ANALYSIS DATE: 6/21/90 DATA FILE NO.: 9001F50A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	74	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 410)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	95	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomer
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Diethylphthalate - 16
Isophorone	ND	Di-n-butylphthalate - 160
2-Nitrophenol	ND	Bis(ethylhexyl)
2 4-Dimethylphenol	ND	phthalate - 3400
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	79	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	270	
Acenaphthene	58	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	800	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	86	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	42
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	880
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	380
Anthracene	280
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	55
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	1100
Pyrene	920
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	400
Benzo (a) Anthracene	510
bis(2-Ethylhexyl)Phthalate	320
Di-N-Octyl Phthalate	ND
Benzo(b/k)Fluoranthene	2000
Benzo(a)Pyrene	340
Indeno(1,2,3-cd)Pyrene	270
Dibenz(a,h)Anthracene	120
Benzo(g,h,i)Perylene	240

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-17

FIELD ID: SED #10

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/13/90

ARCHIVE NUMBER: P15617

MATRIX: SOIL

% SOLID: NA

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION**

Client Name: New York State DEC
 Client ID: RB090 0604 915043-10
 Lab ID: 053182-0008-SA Enseco ID: 151800
 Matrix: SOLID Sampled: 05 JUN 90 Received: 07 JUN 90
 Authorized: 07 JUN 90 Prepared: 05 JUL 90 Analyzed: 13 JUL 90

Sample Amount: 10.3 G
 Column: DB-5

Parameter	Result	Units	Detection Limit
Furans			
TCDFs (total)	23	pg/g	--
2,3,7,8-TCDF	1.9	pg/g	--
PeCDFs (total)	20	pg/g	--
1,2,3,7,8-PeCDF	ND	pg/g	1.0
2,3,4,7,8-PeCDF	3.0	pg/g	--
HxCDFs (total)	17	pg/g	--
1,2,3,4,7,8-HxCDF	3.9	pg/g	--
1,2,3,6,7,8-HxCDF	ND	pg/g	1.1
2,3,4,6,7,8-HxCDF	3.4	pg/g	--
1,2,3,7,8,9-HxCDF	ND	pg/g	0.18
HpCDFs (total)	55	pg/g	--
1,2,3,4,6,7,8-HpCDF	17	pg/g	--
1,2,3,4,7,8,9-HpCDF	ND	pg/g	1.6
OCDF	91	pg/g	--
Dioxins			
TCDDs (total)	7.6	pg/g	--
2,3,7,8-TCDD	0.64	pg/g	--
PeCDDs (total)	9.2	pg/g	--
1,2,3,7,8-PeCDD	ND	pg/g	0.68
HxCDD (total)	32	pg/g	--
1,2,3,4,7,8-HxCDD	ND	pg/g	0.55
1,2,3,6,7,8-HxCDD	2.6	pg/g	--
1,2,3,7,8,9-HxCDD	2.5	pg/g	--
HpCDDs (total)	110	pg/g	--
1,2,3,4,6,7,8-HpCDD	53	pg/g	--
OCDD	430	pg/g	--

(continued on following page)

ND=Not Detected
 NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-10
Lab ID: 053182-0008-SA Enseco ID: 151800
Matrix: SOLID Sampled: 05 JUN 90 Received: 07 JUN 90
Authorized: 07 JUN 90 Prepared: 05 JUL 90 Analyzed: 13 JUL 90

Sample Amount: 10.3 G
Column: DB-5

% Recovery

13C-2,3,7,8-TCDF	114
13C-2,3,7,8-TCDD	73
13C-1,2,3,7,8-PeCDD	108
13C-1,2,3,6,7,8-HxCDD	125
13C-1,2,3,4,6,7,8-HpCDD	86
13C-OCDD	68

ND=Not Detected
NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#11

PERCENT SOLIDS: 41.0

SAMPLE NUMBER: 990-156-14

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *0B96A

ANALYSIS DATE: 6/12/90

DATA FILE NO.: 9000B96A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	12.000	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	15.000	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #11 % SOLID: 41

SAMPLE NUMBER: 990-156-14 MATRIX: SOIL

SUBMISSION DATE: 6/6/90 ARCHIVE NO.: *1F49A

ANALYSIS DATE: 6/21/90 DATA FILE NO.: 9001F49A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	76	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 410)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	70	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomer
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Isophorone - 160
Isophorone	30	Bis(ethylhexyl)
2-Nitrophenol	ND	phthalate - 3400
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	770	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	380	
Acenaphthene	120	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	2500	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	190	
4-Chlorophenyl-phenylether	ND	

CON'T SAMPLE NUMBER: 990-156-14

DATA FILE: 9001F49A

page 2

COMPOUND	CONC(ug/kg)
Diethylphthalate	ND
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	1900
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	510
Anthracene	370
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	ND
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	1500
Pyrene	1300
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	660
Benzo (a) Anthracene	850
bis(2-Ethylhexyl)Phthalate	850
Di-N-Octyl Phthalate	ND
Benzo(b/k)Fluoranthene	3500
Benzo(a)Pyrene	620
Indeno(1,2,3-cd)Pyrene	530
Dibenz(a,h)Anthracene	250
Benzo(g,h,i)Perylene	480

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-14

FIELD ID: SED #11

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/13/90

ARCHIVE NUMBER: P15614

MATRIX: SOIL

% SOLID: NA

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: 7

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-11
Lab ID: 053182-0009-SA Enseco ID: 151801
Matrix: SOIL Sampled: 05 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90

Received: 07 JUN 90

Sample Amount 10.2 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
Column Type: DB-DXN Analyzed: 19 JUL 90				
2,3,7,8-TCDF	ND	pg/g	0.57	
Dioxins				
Column Type: DB-5 Analyzed: 26 JUN 90				
2,3,7,8-TCDD	ND	pg/g	0.50	
% Recovery				
13C-2,3,7,8-TCDF	73			
13C-2,3,7,8-TCDD	76			

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFDHL BROTHERS

FIELD ID: SED#12

PERCENT SOLIDS: 75.0

SAMPLE NUMBER: 990-156-13

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *0B95A

ANALYSIS DATE: 6/12/90

DATA FILE NO.: 9000B95A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #12

% SOLID: 75

SAMPLE NUMBER: 990-156-13

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *0E79A

ANALYSIS DATE: 6/14/90

DATA FILE NO.: 9000E79A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 220
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isome
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Isophorone - 90
Isophorone	32	Diethylphthalate - 9
2-Nitrophenol	ND	Di-n-butylphthalate - 90
2 4-Dimethylphenol	ND	Bis(ethylhexyl)
bis(2-chloroethoxy)Methane	ND	phthalate - 1900
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	15	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	15
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	34
Anthracene	18
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	100
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	160
Pyrene	120
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	ND
Benzo (a) Anthracene	77
bis(2-Ethylhexyl)Phthalate	190
Di-N-Octyl Phthalate	ND
Benzo(b/k)Fluoranthene	140
Benzo(a)Pyrene	ND
Indeno(1,2,3-cd)Pyrene	ND
Dibenz(a,h)Anthracene	ND
Benzo(g,h,i)Perylene	28

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-13

FIELD ID: SED #12

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/8/90

ARCHIVE NUMBER: P15613

MATRIX: SOIL

% SOLID: 75

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-12
 Lab ID: 053182-0010-SA Enseco ID: 151802
 Matrix: SOIL Sampled: 05 JUN 90
 Authorized: 09 JUN 90 Prepared: 18 JUN 90

Received: 07 JUN 90

Sample Amount 10.2 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-225
 Analyzed: 02 AUG 90

2,3,7,8-TCDF	ND	pg/g	0.23	

Dioxins

Column Type: DB-5
 Analyzed: 26 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.77	

% Recovery

13C-2,3,7,8-TCDF	33
13C-2,3,7,8-TCDD	39

ND = Not detected
 NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#13

PERCENT SOLIDS: 67.0

SAMPLE NUMBER: 990-156-11

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *2C61A

ANALYSIS DATE: 6/7/90

DATA FILE NO.: 9002C61A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #13

% SOLID: 67

SAMPLE NUMBER: 990-156-11

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1F47A

ANALYSIS DATE: 6/21/90

DATA FILE NO.: 9001F47A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 250
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isome
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Isophorone - 100
Isophorone	10	Diethylphthalate - 10
2-Nitrophenol	ND	Di-n-butylphthalate - 100
2 4-Dimethylphenol	ND	Bis(ethylhexyl)
bis(2-chloroethoxy)Methane	ND	phthalate - 2100
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	240	
Acenaphthene	130	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	110	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	160	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	48
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	1000
Anthracene	490
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	84
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	1600
Pyrene	1300
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	770
Benzo (a) Anthracene	780
bis(2-Ethylhexyl)Phthalate	1900
Di-N-Octyl Phthalate	ND
Benzo(b/k)pyrene <i>fluoranthene</i>	3000
Benzo(a)Pyrene	670
Indeno(1,2,3-cd)Pyrene	540
Dibenz(a,h)Anthracene	310
Benzo(g,h,i)Perylene	580

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-11

FIELD ID: STR SED #13

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/8/90

ARCHIVE NUMBER: P15611

MATRIX: SOIL

% SOLID: 67

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-13
 Lab ID: 053183-0001-SA
 Matrix: SOIL
 Authorized: 09 JUN 90

Enseco ID: 151803
 Sampled: 05 JUN 90
 Prepared: 19 JUN 90

Received: 07 JUN 90

Sample Amount 10.1 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 28 JUN 90

2,3,7,8-TCDF	ND	pg/g	0.40	

Dioxins

Column Type: DB-DXN
 Analyzed: 28 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.34	

% Recovery

C 13C-2,3,7,8-TCDF
 13C-2,3,7,8-TCDD

58
 63

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#14

PERCENT SOLIDS: 62.0

SAMPLE NUMBER:990-156-18

MATRIX:SOIL

SUBMISSION DATE:6/6/90

ARCHIVE NO.:*0B98A

ANALYSIS DATE:6/12/90

DATA FILE NO.:9000B98A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	5.500	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS TH
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #14

% SOLID: 62

SAMPLE NUMBER: 990-156-18

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1E06A

ANALYSIS DATE: 6/21/90

DATA FILE NO.: 9001E06A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 270)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	20	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Isophorone - 110
Isophorone	16	Diethylphthalate - 11
2-Nitrophenol	ND	Butylbenzylphthalate - 11
2 4-Dimethylphenol	ND	Bis(ethylhexyl)
bis(2-chloroethoxy)Methane	ND	phthalate - 2300
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	190	
Acenaphthene	39	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	57	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	55
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	45
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	110
Anthracene	180
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	90
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	470
Pyrene	390
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	53
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	190
Benzo (a) Anthracene	130
bis(2-Ethylhexyl)Phthalate	940
Di-N-Octyl Phthalate	ND
Benzo(b/k)fluoranthene	400
Benzo(a)Pyrene	160
Indeno(1,2,3-cd)Pyrene	370
Dibenz(a,h)Anthracene	160
Benzo(g,h,i)Perylene	400

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-18

FIELD ID: SED #14

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 7/30/90

ARCHIVE NUMBER: P15618

MATRIX: SOIL

% SOLID: 62

**** AROCLOR - 1016 ****
GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB
MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****
GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB
MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****
GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB
MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****
GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB
MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****
GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB
MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****
GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB
MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****
GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB
MASS SPECTROMETER RESULTS: ND

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

(Client Name: New York State DEC
Client ID: RB090 0604 915043-14
Lab ID: 053183-0002-SA Enseco ID: 151804
Matrix: SOIL Sampled: 05 JUN 90 Received: 07 JUN 90
Authorized: 09 JUN 90 Prepared: 19 JUN 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
Analyzed: 28 JUN 90

2,3,7,8-TCDF	0.55	pg/g	--	

Dioxins

Column Type: DB-DXN
Analyzed: 28 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.23	

% Recovery

(13C-2,3,7,8-TCDF
13C-2,3,7,8-TCDD

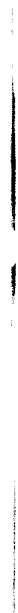
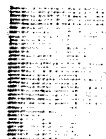
54
65

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report. 
Rev 230787



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#15

PERCENT SOLIDS: 51.0

SAMPLE NUMBER: 990-155-01

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *2C56A

ANALYSIS DATE: 6/7/90

DATA FILE NO.: 9002C56A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	ND = LESS THAN 5 PPE
Total Chlorotoluene	ND	ALL CONCENTRATIONS LESS TH
Total Dichlorobenzene	ND	5 PPE ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #15 % SOLID: 51

SAMPLE NUMBER: 990-155-01 MATRIX: SOIL

SUBMISSION DATE: 6/6/90 ARCHIVE NO.: *0E98A

ANALYSIS DATE: 6/20/90 DATA FILE NO.: 9000E98A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	Detection limit - CRDL (Pesticide detection limit - 330
2-Chlorophenol	ND	
Aniline	ND	
Bis(2-Chloroethyl)Ether	ND	* Beta and Gamma BHC coelute - reported as the sum of the isome
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	
1 2-Dichlorobenzene	ND	TIC - No TICs identified
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	Blank Concentrations -
Hexachloroethane	ND	
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Isophorone - 130
Nitrobenzene	ND	Diethylphthalate - 13
Isophorone	46	Dibutylphthalate - 130
2-Nitrophenol	ND	Bis(ethylhexyl)
2 4-Dimethylphenol	ND	phthalate - 2700
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	370	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	60	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	60
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	200
Anthracene	340
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	110
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	990
Pyrene	870
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	410
Benzo (a) Anthracene	440
bis(2-Ethylhexyl)Phthalate	2500
Di-N-Octyl Phthalate	ND
Benzo(b/k)Fluoranthene	1300
Benzo(a)Pyrene	360
Indeno(1,2,3-cd)Pyrene	830
Dibenz(a,h)Anthracene	580
Benzo(g,h,i)Perylene	720

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BRDS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-01

FIELD ID: SED #15

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/6/90

ARCHIVE NUMBER: P15501

MATRIX: SOIL

% SOLID: 51

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***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

(Client Name: New York State DEC
Client ID: RB090 0604 915043-15
Lab ID: 053181-0001-SA Enseco ID: 151781
Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Sample Amount 9.90G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
Analyzed: 29 JUN 90

2,3,7,8-TCDF	0.92	pg/g	--	

Dioxins

Column Type: DB-DXN
Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.32	

% Recovery

C 13C-2,3,7,8-TCDF
13C-2,3,7,8-TCDD

64
73

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043
Lab ID: 053181-0001-SA Enseco ID: 151781
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed: 01 OCT 90

Sample Amount 9.90 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	14	pg/g	--	
2,3,7,8-TCDF	1.2	pg/g	--	
PeCDFs (total)	8.5	pg/g	--	
1,2,3,7,8-PeCDF	0.69	pg/g	--	
2,3,4,7,8-PeCDF	0.83	pg/g	--	
HxCDFs (total)	10	pg/g	--	
1,2,3,4,7,8-HxCDF	1.7	pg/g	--	
1,2,3,6,7,8-HxCDF	0.44	pg/g	--	
2,3,4,6,7,8-HxCDF	ND	pg/g	2.6	
1,2,3,7,8,9-HxCDF	1.3	pg/g	--	
HpCDFs (total)	23	pg/g	--	
1,2,3,4,6,7,8-HpCDF	6.4	pg/g	--	
1,2,3,4,7,8,9-HpCDF	0.83	pg/g	--	
OCDF	26	pg/g	--	
Dioxins				
TCDDs (total)	5.2	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.43	
PeCDDs (total)	5.9	pg/g	--	
1,2,3,7,8-PeCDD	0.77	pg/g	--	
HxCDDs (total)	18	pg/g	--	
1,2,3,4,7,8-HxCDD	0.47	pg/g	--	
1,2,3,6,7,8-HxCDD	1.9	pg/g	--	
1,2,3,7,8,9-HxCDD	1.9	pg/g	--	
HpCDDs (total)	70	pg/g	--	
1,2,3,4,6,7,8-HpCDD	39	pg/g	--	
OCDD	280	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230/87

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-15
Lab ID: 053181-0001-SA Enseco ID: 151781
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed: 01 OCT 90

Sample Amount 9.90 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	65
13C-2,3,7,8-TCDD	94
13C-1,2,3,7,8-PeCDD	113
13C-1,2,3,6,7,8-HxCDD	97
13C-1,2,3,4,6,7,8-HpCDD	106
13C-OCDD	115

ND = Not detected
NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#16

PERCENT SOLIDS: 58.0

SAMPLE NUMBER: 990-155-02

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *2C57A

ANALYSIS DATE: 6/7/90

DATA FILE NO.: 9002C57A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #16

% SOLID: 58

SAMPLE NUMBER: 990-155-02

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *0E99A

ANALYSIS DATE: 6/20/90

DATA FILE NO.: 9000E99A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 290)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	17	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	10	reported as the sum of the isomer
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Isophorone - 120
Isophorone	13	Diethylphthalate - 10
2-Nitrophenol	ND	Dibutylphthalate - 120
2 4-Dimethylphenol	ND	Butylbenzylphthalate - 10
Bis(2-chloroethoxy)Methane	ND	Bis(ethylhexyl)
2 4-Chlorophenol	ND	phthalate - 2400
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	110	
Dimethyl Phthalate	140	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	

CON'T SAMPLE NUMBER: 990-155-02

DATA FILE: 9000E99A

page 2

COMPOUND	CONC(ug/kg)
Diethylphthalate	55
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	69
Anthracene	130
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	91
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	190
Pyrene	180
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	23
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	81
Benzo (a) Anthracene	86
bis(2-Ethylhexyl)Phthalate	1200
Di-N-Octyl Phthalate	ND
Benzo(b,k)Fluoranthene	1800
Benzo(a)Pyrene	710
Indeno(1,2,3-cd)Pyrene	220
Dibenz(a,h)Anthracene	180
Benzo(g,h,i)Perylene	190

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-02

FIELD ID: SED #16

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/6/90

ARCHIVE NUMBER: P15502

MATRIX: SOIL

% SOLID: 58

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-02
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SED.STR. #16

ARCHIVE NO.: M1062
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 58

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	16.3	10
BARIUM	211	200
BERYLLIUM	NR	5
CADMIUM	1.7	5
CALCIUM	NR	5000
CHROMIUM	5.1	10
COBALT	NR	50
COPPER	12.7	25
IRON	NR	100
LEAD	33.8	5
MAGNESIUM	NR	5000
MANGANESE	111	15
MERCURY	0.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.70	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	76.7	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-46
Lab ID: 053181-0002-SA
Matrix: SOIL
Authorized: 09 JUN 90

Enseco ID: 151782
Sampled: 04 JUN 90
Prepared: 17 JUN 90

Received: 07 JUN 90

Sample Amount 10.0G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
Analyzed: 29 JUN 90

2,3,7,8-TCDF	0.67	pg/g	--	

Dioxins

Column Type: DB-DXN
Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.43	

% Recovery

13C-2,3,7,8-TCDF	58
13C-2,3,7,8-TCDD	69

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043
Lab ID: 053181-0002-SA Inseco ID: 151782
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed: 01 OCT 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	17	pg/g	--	
2,3,7,8-TCDF	1.1	pg/g	--	
PeCDFs (total)	11	pg/g	--	
1,2,3,7,8-PeCDF	0.82	pg/g	--	
2,3,4,7,8-PeCDF	1.0	pg/g	--	
HxCDFs (total)	15	pg/g	--	
1,2,3,4,7,8-HxCDF	3.2	pg/g	--	
1,2,3,6,7,8-HxCDF	1.2	pg/g	--	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.19	
1,2,3,7,8,9-HxCDF	1.6	pg/g	--	
HpCDFs (total)	26	pg/g	--	
1,2,3,4,6,7,8-HpCDF	13	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.91	
OCDF	24	pg/g	--	
Dioxins				
TCDDs (total)	5.3	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.37	
PeCDDs (total)	4.6	pg/g	--	
1,2,3,7,8-PeCDD	0.82	pg/g	--	
HxCDDs (total)	12	pg/g	--	
1,2,3,4,7,8-HxCDD	0.69	pg/g	--	
1,2,3,6,7,8-HxCDD	1.4	pg/g	--	
1,2,3,7,8,9-HxCDD	1.9	pg/g	--	
HpCDDs (total)	60	pg/g	--	
1,2,3,4,6,7,8-HpCDD	33	pg/g	--	
OCDD	220	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-16

Lab ID: 053181-0002-SA

Enseco ID: 151782

Matrix: SOIL

Sampled: 04 JUN 90

Authorized: 09 JUN 90

Prepared: 17 JUN 90

Received: 07 JUN 90

Analyzed: 01 OCT 90

Sample Amount 10.0 G

Percent Moisture NA

% Recovery

13C-2,3,7,8-TCDF

80

13C-2,3,7,8-TCDD

84

13C-1,2,3,7,8-PeCDD

118

13C-1,2,3,6,7,8-HxCDD

94

13C-1,2,3,4,6,7,8-HpCDD

101

13C-OCDD

105

ND = Not detected
NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#17

PERCENT SOLIDS: 43.0

SAMPLE NUMBER: 990-155-03

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *2C58A

ANALYSIS DATE: 6/7/90

DATA FILE NO.: 9002C58A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #17

% SOLID: 43

SAMPLE NUMBER: 990-155-03

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1E00A

ANALYSIS DATE: 6/20/90

DATA FILE NO.: 9001E00A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 390)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	22	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	11	reported as the sum of the isomer
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs reported
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Isophorone - 160
Isophorone	30	Dibutylphthalate - 160
2-Nitrophenol	ND	Bis(ethylhexyl)
2 4-Dimethylphenol	ND	phthalate - 3300
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	290	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	11	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	160	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	70
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	180
Anthracene	150
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	160
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	440
Pyrene	370
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	220
Benzo (a) Anthracene	320
bis(2-Ethylhexyl)Phthalate	2300
Di-N-Octyl Phthalate	ND
Benzo(b/k)Fluoranthene	1000
Benzo(a)Pyrene	340
Indeno(1,2,3-cd)Pyrene	550
Dibenz(a,h)Anthracene	280
Benzo(g,h,i)Perylene	470

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-03

FIELD ID: SED #17

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/6/90

ARCHIVE NUMBER: P15503

MATRIX: SOIL

% SOLID: 43

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-03
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SED.STR.#17

ARCHIVE NO.: M1063
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 43

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	28.8	10
BARIUM	237	200
BERYLLIUM	NR	5
CADMIUM	3.0	5
CALCIUM	NR	5000
CHROMIUM	11.6	10
COBALT	NR	50
COPPER	38.5	25
IRON	NR	100
LEAD	92.8	5
MAGNESIUM	NR	5000
MANGANESE	234	15
MERCURY	0.6	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	2.3U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
TANTALUM	NR	50
ZINC	185	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-17
 Lab ID: 053181-0003-SA Enseco ID: 151784
 Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 17 JUN 90

Sample Amount 10.1G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	2.3	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	0.91	pg/g	--	

% Recovery

13C-2,3,7,8-TCDF	71
13C-2,3,7,8-TCDD	82

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC

Client ID: RB090 0604 915043

Lab ID: 053181-0003-SA

Matrix: SOIL

Authorized: 09 JUN 90

Enseco ID: 151784

Sampled: 04 JUN 90

Prepared: 17 JUN 90

Received: 07 JUN 90

Analyzed: 01 OCT 90

Sample Amount 10.1 G

Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	45	pg/g	--	
2,3,7,8-TCDF	2.6	pg/g	--	
PeCDFs (total)	19	pg/g	--	
1,2,3,7,8-PeCDF	1.6	pg/g	--	
2,3,4,7,8-PeCDF	2.1	pg/g	--	
HxCDFs (total)	21	pg/g	--	
1,2,3,4,7,8-HxCDF	3.8	pg/g	--	
1,2,3,6,7,8-HxCDF	1.1	pg/g	--	
2,3,4,6,7,8-HxCDF	0.57	pg/g	--	
1,2,3,7,8,9-HxCDF	2.7	pg/g	--	
HpCDFs (total)	40	pg/g	--	
1,2,3,4,6,7,8-HpCDF	13	pg/g	--	
1,2,3,4,7,8,9-HpCDF	1.8	pg/g	--	
OCDF	48	pg/g	--	

Dioxins

TCDDs (total)	20	pg/g	--	
2,3,7,8-TCDD	0.68	pg/g	--	
PeCDDs (total)	28	pg/g	--	
1,2,3,7,8-PeCDD	1.6	pg/g	--	
HxCDDs (total)	46	pg/g	--	
1,2,3,4,7,8-HxCDD	0.83	pg/g	--	
1,2,3,6,7,8-HxCDD	4.0	pg/g	--	
1,2,3,7,8,9-HxCDD	3.7	pg/g	--	
HpCDDs (total)	130	pg/g	--	
1,2,3,4,6,7,8-HpCDD	66	pg/g	--	
OCDD	460	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-17
Lab ID: 053181-0003-SA Enseco ID: 151784
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed: 01 OCT 90

Sample Amount 10.1 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	97
13C-2,3,7,8-TCDD	106
13C-1,2,3,7,8-PeCDD	147
13C-1,2,3,6,7,8-HxCDD	110
13C-1,2,3,4,6,7,8-HpCDD	126
13C-OCDD	130

ND = Not detected
NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#18

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-155-04

MATRIX:SOIL

SUBMISSION DATE:6/6/90

ARCHIVE NO.:*1B05A

ANALYSIS DATE:6/13/90

DATA FILE NO.:9001B05A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

STA-19
Ellicott Cr

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#19

PERCENT SOLIDS: 54.0

SAMPLE NUMBER: 990-156-16

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1B00A

ANALYSIS DATE: 6/12/90

DATA FILE NO.: 9001B00A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #19

% SOLID: 54

SAMPLE NUMBER: 990-156-16

MATRIX: SOIL

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *1E03A

ANALYSIS DATE: 6/21/90

DATA FILE NO.: 9001E03A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 310)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomer
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Isophorone - 120
Isophorone	58	Diethylphthalate - 12
2-Nitrophenol	ND	Di-n-butylphthalate - 120
2 4-Dimethylphenol	ND	Butylbenzylphthalate - 12
bis(2-chloroethoxy)Methane	ND	Bis(ethylhexyl)
2 4-Chlorophenol	ND	phthalate - 2600
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	51	
Acenaphthene	24	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	33	
4-Chlorophenyl-phenylether	ND	

COMPOUND	CONC(ug/kg)
Diethylphthalate	35
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	230
Anthracene	93
Delta-EHC	ND
Heptachlor	ND
Di-N-Butylphthalate	51
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	380
Pyrene	340
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	85
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	170
Benzo (a) Anthracene	120
bis(2-Ethylhexyl)Phthalate	780
Di-N-Octyl Phthalate	ND
Benzo(b,k)Fluoranthene	370
Benzo(a)Pyrene	140
Indeno(1,2,3-cd)Pyrene	273
Dibenz(a,h)Anthracene	257
Benzo(g,h,i)Perylene	320

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-16

FIELD ID: STR SED #19

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/9/90

ARCHIVE NUMBER: P15616

MATRIX: SOIL

% SOLID: 94

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS WASTE REMEDIATION
 BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

STR #19

SITE NAME: PFOHL BROTHERS
 FIELD ID:

SITE CODE: 9-15-043
 MATRIX: SOIL
 PERCENT SOLIDS: 54
 CONC. UNITS: MG/KG
 ARCHIVE NO.: M2020

E NUMBER: 990-156-16
 COLLECTED: 8/26/90
 ANALYZED: 8/27/90
 REPORTED: 9/25/90

METAL	CONC	
ALUMINIUM	NR	
ANTIMONY	NR	
ARSENIC	4.3	
BARIUM	NR	
BERYLLIUM	NR	
CALCIUM	0.6	
CALCIUM	NR	
CHROMIUM	3.4	
COBALT	NR	
COPPER	4.30	
IRON	NR	
LEAD	46.7	
MAGNESIUM	NR	
MANGANESE	149	
MERCURY	0.10	
NICKEL	NR	
POTASSIUM	NR	
SELENIUM	1.70	
SILVER	NR	
SODIUM	NR	
THALLIUM	NR	
TIN	103	
URANIUM		
ZINC		

NR = NOT REQUESTED

COMMENTS:

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-19
 Lab ID: 053183-0008-SA
 Matrix: SOIL
 Authorized: 09 JUN 90

Enseco ID: 151816
 Sampled: 05 JUN 90
 Prepared: 19 JUN 90

Received: 07 JUN 90

Sample Amount 10.1 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	1.4	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.47	

% Recovery

13C-2,3,7,8-TCDF	64
13C-2,3,7,8-TCDD	71

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi.

The cover letter is an integral part of this report.
 Rev 230787



2,3,7,8-TCDD/TCDF

QUALITY CONTROL SUMMARY

Client Name: New York State DEC
Client ID: 053183-0008 Matrix Spike
Lab ID: 053183-0008 MS Enseco ID: 151817
Matrix: SOIL Sampled: 05 JUN 90 Received: 07 JUN 90
Authorized: 09 JUN 90 Prepared: 19 JUN 90

Sample Amount: 10.2 G

Parameters	pg/g Found in Sample	pg/g Spiked	pg/g Found in MS Sample	% Recovery

Furans

Column Type: DB-225
Analyzed: 29 JUN 90

2,3,7,8-TCDF	1.4	65	88	133

Dioxins

Column Type: DB-5
Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	50	45	90

% Recovery

13C-2,3,7,8-TCDF	75
13C-2,3,7,8-TCDD	90

ND=Not Detected
NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.

Version 070187

2,3,7,8-TCDD/TCDF

QUALITY CONTROL SUMMARY

Client Name: New York State DEC
 Client ID: RB090 0604 915043-19 Matrix Spike Duplicate
 Lab ID: 053183-0008 MSD Enseco ID: 151818
 Matrix: SOIL Sampled: 05 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 19 JUN 90

Sample Amount: 10.2 G

Parameters	pg/g Found in Sample	pg/g Spiked	pg/g Found in MS Sample	% Recovery

Furans

Column Type: DB-225
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	1.4	65	97	147

Dioxins

Column Type: DB-5
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	50	46	92

% Recovery

13C-2,3,7,8-TCDF	72
13C-2,3,7,8-TCDD	83

ND=Not Detected
 NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
 Version 070187

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#20

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-156-05

MATRIX:SOIL

SUBMISSION DATE:6/8/90

ARCHIVE NO.:*1B06A

ANALYSIS DATE:6/13/90

DATA FILE NO.:9001B06A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	8.75 B	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #20

% SOLID: 61

SAMPLE NUMBER: 990-156-05

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E87A

ANALYSIS DATE: 7/22/90

DATA FILE NO.: 9001E87A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 270)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomer
Benzyl Alcohol	ND	
2-Methylphenol	ND	Dilution Factor - 2
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,6-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	32	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	ND	
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	96	
Anthracene	47	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	31	IB= 110
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	210	
Pyrene	200	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	150	
Benzo (a) Anthracene	110	
bis(2-Ethylhexyl)Phthalate	1600	IB= 1500
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	140	
Benzo(a)Pyrene	110	
Indeno(1,2,3-cd)Pyrene	83	
Dibenz(a,h)Anthracene	54	
Benzo(g,h,i)Perylene	190	

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-05
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/6/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SED. STR. #20

ARCHIVE NO.: M1083
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 61.4

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	9.5	50
BARIUM	271	200
BERYLLIUM	NR	5
CADMIUM	3.1	5
CALCIUM	NR	5000
CHROMIUM	9.8	50
COBALT	NR	50
COPPER	22.9	25
IRON	NR	100
LEAD	62.0	5
MAGNESIUM	NR	5000
MANGANESE	103	15
MERCURY	0.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.6U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	157	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC

Client ID: RB090 0604 915043-20

Lab ID: 053183-0004-SA

Enseco ID: 151809

Matrix: SOIL

Sampled: 05 JUN 90

Received: 07 JUN 90

Authorized: 09 JUN 90

Prepared: 19 JUN 90

Sample Amount 10.2 G

Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN

Analyzed: 28 JUN 90

2,3,7,8-TCDF	ND	pg/g	0.34	

Dioxins

Column Type: DB-DXN

Analyzed: 28 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.28	

% Recovery

13C-2,3,7,8-TCDF

57

13C-2,3,7,8-TCDD

65

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-05

FIELD ID: SED #20

DATE RECEIVED: 6/4/90

ANALYSIS DATE: 8/25/90

ARCHIVE NUMBER: P15605

MATRIX: SOIL

% SOLID: NA

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

STR-21

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#21

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-157-06

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1B07A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9001B07A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	9 B	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	ND = LESS THAN 5 PPB
Total Chlorotoluene	ND	ALL CONCENTRATIONS LESS THAN
Total Dichlorobenzene	ND	5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #21

% SOLID: 58

SAMPLE NUMBER: 990-157-06

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E88A

ANALYSIS DATE: 7/22/90

DATA FILE NO.: 9001E88A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 290
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomer
Benzyl Alcohol	ND	
2-Methylphenol	ND	Dilution Factor - 2
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	28	IB= 58
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	42	
Anthracene	14	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	ND	
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	98	
Pyrene	91	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	61	
Benzo (a) Anthracene	54	
bis(2-Ethylhexyl)Phthalate	950	IB= 1000
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	28	
Benzo(a)Pyrene	53	
Indeno(1,2,3-cd)Pyrene	41	
Dibenz(a,h)Anthracene	17	
Benzo(g,h,i)Perylene	63	

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-06
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SED. STR. #21

ARCHIVE NO.: M1084
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 57.7

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	6.5	10
BARIUM	160	200
BERYLLIUM	NR	5
CADMIUM	1.9	5
CALCIUM	NR	5000
CHROMIUM	4.9	100
COBALT	NR	50
COPPER	13.4	25
IRON	NR	100
LEAD	51.0	5
MAGNESIUM	NR	5000
MANGANESE	130	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.7U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	123	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)

NR = NOT REQUESTED

COMMENTS:

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC

Client ID: RB090 0604 915043-21

Lab ID: 053194-0001-SA Enseco ID: 151993

Matrix: SOIL Sampled: 06 JUN 90

Authorized: 09 JUN 90 Prepared: 19 JUN 90

Received: 08 JUN 90

Sample Amount 10.0 G

Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN

Analyzed: 29 JUN 90

2,3,7,8-TCDF	ND	pg/g	0.28	

Dioxins

Column Type: DB-DXN

Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.15	

% Recovery

13C-2,3,7,8-TCDF

69

13C-2,3,7,8-TCDD

78

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.

Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-06

FIELD ID: SED #21

DATE RECEIVED: 6/4/90

ANALYSIS DATE: 8/25/90

ARCHIVE NUMBER: P15606

MATRIX: SOIL

% SOLID: NA

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

STR-22

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#22

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-157-07

MATRIX:SOIL

SUBMISSION DATE:6/8/90

ARCHIVE NO.:*1B08A

ANALYSIS DATE:6/13/90

DATA FILE NO.:9001B08A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	8 B	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	ND = LESS THAN 5 PPB
Total Chlorotoluene	ND	ALL CONCENTRATIONS LESS THAN
Total Dichlorobenzene	ND	5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SED. STR. #22 % SOLID: 59

SAMPLE NUMBER: 990-157-07 MATRIX: SOIL

SUBMISSION DATE: 6/8/90 ARCHIVE NO.: *1E89A

ANALYSIS DATE: 7/22/90 DATA FILE NO.: 9001E89A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 280
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isome
Benzyl Alcohol	ND	
2-Methylphenol	ND	Dilution Factor - 2
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	63	
Dimethyl Pthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	I
Fluorene	16	I
4-Chlorophenyl-phenylether	ND	I
Diethylphthalate	21	IB= 56
2 Methyl 4,6-Dinitrophenol	ND	I
N-Nitrosodiphenylamine	ND	I
4-Nitroaniline	ND	I
4-Bromophenyl-phenylether	ND	I
Alpha-BHC	ND	I
Hexachlorobenzene	ND	I
Pentachlorophenol	ND	I
Beta-BHC/Gamma-BHC *	ND	I
Phenanthrene	200	I
Anthracene	89	I
Delta-BHC	ND	I
Heptachlor	ND	I
Di-N-Butylphthalate	ND	I
Aldrin	ND	I
Heptachlor Epoxide	ND	I
Fluoranthene	420	I
Pyrene	290	I
Endosulfan I	ND	I
4,4'-DDE	ND	I
Dieldrin	ND	I
Endrin	ND	I
Endrin Aldehyde	ND	I
Endosulfan II	ND	I
4,4'-DDD	ND	I
Butylbenzylphthalate	ND	I
Endosulfan Sulfate	ND	I
4,4'-DDT	ND	I
Chrysene	170	I
Benzo (a) Anthracene	130	I
bis(2-Ethylhexyl)Phthalate	800	IB= 1600
Di-N-Octyl Phthalate	ND	I
Benzo(b/k)Pyrene - <i>fluoranthene</i>	55	I
Benzo(a)Pyrene	94	I
Indeno(1,2,3-cd)Pyrene	170	I
Dibenz(a,h)Anthracene	ND	I
Benzo(g,h,i)Perylene	220	I

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-07
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SED. STR. #22

ARCHIVE NO.: M1085
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 59.2

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	7.4	10
BARIUM	301	200
BERYLLIUM	NR	5
CADMIUM	3.7	5
CALCIUM	NR	5000
CHROMIUM	5.5	50
COBALT	NR	50
COPPER	17.0	25
IRON	NR	100
LEAD	50.1	5
MAGNESIUM	NR	5000
MANGANESE	158	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.7U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
URANIUM	NR	50
ZINC	134	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-22
 Lab ID: 053194-0002-SA Enseco ID: 151995
 Matrix: SOIL Sampled: 06 JUN 90
 Authorized: 09 JUN 90 Prepared: 19 JUN 90
 Received: 08 JUN 90

Sample Amount 10.0 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	0.56	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.30	

% Recovery

13C-2,3,7,8-TCDF	70
13C-2,3,7,8-TCDD	82

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier Approved By: Mike Filigenzi.

The cover letter is an integral part of this report.
 Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-07

FIELD ID: STR #22

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/25/90

ARCHIVE NUMBER: P15707

MATRIX: SOIL

% SOLID: NA

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

SUP--23
Tongit Marsh

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SED#23

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-158-18

MATRIX:SOIL

SUBMISSION DATE:6/8/90

ARCHIVE NO.:*2C71A

ANALYSIS DATE:6/13/90

DATA FILE NO.:9002C71A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SWP #23

% SOLID: 59

SAMPLE NUMBER: 990-158-18

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E90A

ANALYSIS DATE: 7/22/90

DATA FILE NO.: 9001E90A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 230)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC (PPB)	
2,4-Dinitrophenol	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	18	B= 56
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	40	
Anthracene	11	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	ND	
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	82	
Pyrene	11	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	38	B= 11
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	34	
Benzo (a) Anthracene	47	
bis(2-Ethylhexyl)Phthalate	2800	B= 1600
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	38	
Benzo(a)Pyrene	41	
Indeno(1,2,3-cd)Pyrene	ND	
Dibenz(a,h)Anthracene	ND	
Benzo(g,h,i)Perylene	ND	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-158-18

FIELD ID: SWP #23

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/29/90

ARCHIVE NUMBER: P15818

MATRIX: SOIL

% SOLID: NA

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
LOW RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-23
Lab ID: 053194-0003-SA Enseco ID: 152437
Matrix: SOIL Sampled: 07 JUN 90 Received: 08 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 22 JUN 90

Sample Amount 10.3G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	ND	ng/g	0.0068	
2,3,7,8-TCDF	ND	ng/g	0.0068	
PeCDFs (total)	ND	ng/g	0.0080	
1,2,3,7,8-PeCDF	ND	ng/g	0.0080	
2,3,4,7,8-PeCDF	ND	ng/g	0.0080	
HxCDFs (total)	ND	ng/g	0.015	
1,2,3,4,7,8-HxCDF	ND	ng/g	0.015	
1,2,3,6,7,8-HxCDF	ND	ng/g	0.015	
2,3,4,6,7,8-HxCDF	ND	ng/g	0.015	
1,2,3,7,8,9-HxCDF	ND	ng/g	0.015	
HpCDFs (total)	ND	ng/g	0.017	
1,2,3,4,6,7,8-HpCDF	ND	ng/g	0.017	
1,2,3,4,7,8,9-HpCDF	ND	ng/g	0.017	
OCDF	ND	ng/g	0.050	

Dioxins

TCDDs (total)	ND	ng/g	0.0036	
2,3,7,8-TCDD	ND	ng/g	0.0036	
PeCDDs (total)	ND	ng/g	0.014	
1,2,3,7,8-PeCDD	ND	ng/g	0.014	
HxCDDs (total)	ND	ng/g	0.024	
1,2,3,4,7,8-HxCDD	ND	ng/g	0.024	
1,2,3,6,7,8-HxCDD	ND	ng/g	0.024	
1,2,3,7,8,9-HxCDD	ND	ng/g	0.024	
HpCDDs (total)	ND	ng/g	0.037	
1,2,3,4,6,7,8-HpCDD	ND	ng/g	0.037	
OCDD	0.19	ng/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi.

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
 ISOMER SPECIFIC ANALYSIS (CONT.)
 LOW RESOLUTION

Client Name: New York State DEC			
Client ID: RB090 0604 915043-23			
Lab ID:	053194-0003-SA	Enseco ID:	152437
Matrix:	SOIL	Sampled:	07 JUN 90
Authorized:	09 JUN 90	Prepared:	18 JUN 90
		Received:	08 JUN 90
		Analyzed:	22 JUN 90

Sample Amount 10.3G
 Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	64
13C-2,3,7,8-TCDD	67
13C-1,2,3,7,8-PeCDD	72
13C-1,2,3,6,7,8-HxCDD	70
13C-1,2,3,4,6,7,8-HpCDD	81
13C-OCDD	42

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

508-24

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#24

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-158-19

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *2C72A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9002C72A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Ebenzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethane	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPE
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SWP #24

% SOLID: 46

SAMPLE NUMBER: 990-158-19

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E91A

ANALYSIS DATE: 7/22/90

DATA FILE NO.: 9001E91A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 360)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	Dilution Factor - 2
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	220	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	17	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	23	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	36	B= 72
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	340	
Anthracene	240	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	75	B= 140
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	930	
Pyrene	800	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	43	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	340	
Benzo (a) Anthracene	260	
bis(2-Ethylhexyl)Phthalate	1500	B= 2000
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	290	
Benzo(a)Pyrene	200	
Indeno(1,2,3-cd)Pyrene	360	
Dibenz(a,h)Anthracene	190	
Benzo(g,h,i)Perylene	490	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-158-19

FIELD ID: SMP #24

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/29/90

ARCHIVE NUMBER: P15819

MATRIX: SOIL

% SOLID: NA

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***** ARDCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
LOW RESOLUTION



Client Name: New York State DEC
Client ID: RB090 0604 915043-24
Lab ID: 053194-0004-SA Enseco ID: 152439
Matrix: SOIL Sampled: 07 JUN 90 Received: 08 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 22 JUN 90

Sample Amount 10.1G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	ND	ng/g	0.0078	
2,3,7,8-TCDF	ND	ng/g	0.0078	
PeCDFs (total)	ND	ng/g	0.014	
1,2,3,7,8-PeCDF	ND	ng/g	0.014	
2,3,4,7,8-PeCDF	ND	ng/g	0.014	
HxCDFs (total)	0.50	ng/g	--	
1,2,3,4,7,8-HxCDF	ND	ng/g	0.042	
1,2,3,6,7,8-HxCDF	ND	ng/g	0.042	
2,3,4,6,7,8-HxCDF	ND	ng/g	0.042	
1,2,3,7,8,9-HxCDF	ND	ng/g	0.042	
HpCDFs (total)	0.71	ng/g	--	
1,2,3,4,6,7,8-HpCDF	0.29	ng/g	--	
1,2,3,4,7,8,9-HpCDF	ND	ng/g	0.011	
OCDF	1.0	ng/g	--	
Dioxins				
TCDDs (total)	ND	ng/g	0.0081	
2,3,7,8-TCDD	ND	ng/g	0.0081	
PeCDDs (total)	ND	ng/g	0.018	
1,2,3,7,8-PeCDD	ND	ng/g	0.018	
HxCDDs (total)	0.42	ng/g	--	
1,2,3,4,7,8-HxCDD	ND	ng/g	0.050	
1,2,3,6,7,8-HxCDD	ND	ng/g	0.050	
1,2,3,7,8,9-HxCDD	ND	ng/g	0.050	
HpCDDs (total)	1.8	ng/g	--	
1,2,3,4,6,7,8-HpCDD	1.2	ng/g	--	
OCDD	4.0	ng/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

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POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
LOW RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-24
Lab ID: 053194-0004-SA
Matrix: SOIL
Authorized: 09 JUN 90

Enseco ID: 152439
Sampled: 07 JUN 90
Prepared: 18 JUN 90

Received: 08 JUN 90
Analyzed: 22 JUN 90

Sample Amount 10.1G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	24
13C-2,3,7,8-TCDD	36
13C-1,2,3,7,8-PeCDD	35
13C-1,2,3,6,7,8-HxCDD	14
13C-1,2,3,4,6,7,8-HpCDD	50
13C-OCDD	32

ND = Not detected
NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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SWP-25

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#25

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-158-20

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1B09A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9001B09A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	9 B	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SWP #25

% SOLID: 40

SAMPLE NUMBER: 990-158-20

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E92A

ANALYSIS DATE: 7/22/90

DATA FILE NO.: 9001E92A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 420)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	Dilution Factor - 2
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	620	
Benzoic acid	740	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	120	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	230	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	720	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	430	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	880	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	ND	
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	5600	
Anthracene	1700	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	ND	
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	5300	
Pyrene	4600	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldenylde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	2600	
Benzo (a) Anthracene	1400	
bis(2-Ethylhexyl)Phthalate	3000	BE= 2300
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	1700	
Benzo(a)Pyrene	2200	
Indeno(1,2,3-cd)Pyrene	2000	
Dibenz(a,h)Anthracene	480	
Benzo(g,h,i)Perylene	2500	

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
LOW RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-25
Lab ID: 053194-0005-SA Enseco ID: 152440
Matrix: SOIL Sampled: 07 JUN 90 Received: 08 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 22 JUN 90

Sample Amount 10.2G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	ND	ng/g	0.014	
2,3,7,8-TCDF	ND	ng/g	0.014	
PeCDFs (total)	ND	ng/g	0.0090	
1,2,3,7,8-PeCDF	ND	ng/g	0.0090	
2,3,4,7,8-PeCDF	ND	ng/g	0.0090	
HxCDFs (total)	0.11	ng/g	--	
1,2,3,4,7,8-HxCDF	ND	ng/g	0.018	
1,2,3,6,7,8-HxCDF	ND	ng/g	0.018	
2,3,4,6,7,8-HxCDF	ND	ng/g	0.018	
1,2,3,7,8,9-HxCDF	ND	ng/g	0.018	
HpCDFs (total)	0.30	ng/g	--	
1,2,3,4,6,7,8-HpCDF	0.12	ng/g	--	
1,2,3,4,7,8,9-HpCDF	ND	ng/g	0.014	
OCDF	0.32	ng/g	--	

Dioxins

TCDDs (total)	ND	ng/g	0.020	
2,3,7,8-TCDD	ND	ng/g	0.020	
PeCDDs (total)	0.13	ng/g	--	
1,2,3,7,8-PeCDD	ND	ng/g	0.024	
HxCDDs (total)	0.23	ng/g	--	
1,2,3,4,7,8-HxCDD	ND	ng/g	0.031	
1,2,3,6,7,8-HxCDD	ND	ng/g	0.031	
1,2,3,7,8,9-HxCDD	ND	ng/g	0.031	
HpCDDs (total)	0.83	ng/g	--	
1,2,3,4,6,7,8-HpCDD	0.46	ng/g	--	
OCDD	3.5	ng/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi 

The cover letter is an integral part of this report.

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POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
LOW RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-25
Lab ID: 053194-0005-SA Enseco ID: 152440
Matrix: SOIL Sampled: 07 JUN 90 Received: 08 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 22 JUN 90

Sample Amount 10.2G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	29
13C-2,3,7,8-TCDD	46
13C-1,2,3,7,8-PeCDD	64
13C-1,2,3,6,7,8-HxCDD	52
13C-1,2,3,4,6,7,8-HpCDD	75
13C-OCDD	47

ND = Not detected
NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-158-20

FIELD ID: SWP #25

DATE RECEIVED: 6/7/90

ANALYSIS DATE: 8/29/90

ARCHIVE NUMBER: P15820

MATRIX: SOIL

% SOLID: 40

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

508-26
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#26

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-158-21

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1B10A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9001B10A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	8 B	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	ND = LESS THAN 5 PPE
Total Chlorotoluene	ND	ALL CONCENTRATIONS LESS THAN
Total Dichlorobenzene	ND	5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LNADFILL

FIELD ID: SWP #26

% SOLID: 70

SAMPLE NUMBER: 990-158-21

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E93A

ANALYSIS DATE: 7/22/90

DATA FILE NO.: 9001E93A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	Detection limit - CRDL (Pesticide detection limit - 240)
2-Chlorophenol	ND	
Aniline	ND	
Bis(2-Chloroethyl)Ether	ND	* Beta and Gamma BHC coelute - reported as the sum of the isomers
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	
1 2-Dichlorobenzene	ND	TIC - No TICs identified
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	TIC - No TICs identified
Hexachloroethane	ND	
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	TIC - No TICs identified
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	TIC - No TICs identified
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	TIC - No TICs identified
1 2 4-Trichlorobenzene	ND	
Naphthalene	44	
Benzoic acid	ND	TIC - No TICs identified
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	TIC - No TICs identified
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	TIC - No TICs identified
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	TIC - No TICs identified
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	TIC - No TICs identified
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	TIC - No TICs identified
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	ND	
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	40	
Anthracene	10	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	ND	
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	57	
Pyrene	54	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	32	
Benzo (a) Anthracene	32	
bis(2-Ethylhexyl)Phthalate	1900	B= 1300
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	44	
Benzo(a)Pyrene	42	
Indeno(1,2,3-cd)Pyrene	30	
Dibenz(a,h)Anthracene	ND	
Benzo(g,h,i)Perylene	50	

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
LOW RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-26
Lab ID: 053194-0006-SA Enseco ID: 152441
Matrix: SOIL Sampled: 07 JUN 90 Received: 08 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 22 JUN 90

Sample Amount 10.4G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	ND	ng/g	0.0046	
2,3,7,8-TCDF	ND	ng/g	0.0046	
PeCDFs (total)	ND	ng/g	0.0040	
1,2,3,7,8-PeCDF	ND	ng/g	0.0040	
2,3,4,7,8-PeCDF	ND	ng/g	0.0040	
HxCDFs (total)	ND	ng/g	0.0090	
1,2,3,4,7,8-HxCDF	ND	ng/g	0.0090	
1,2,3,6,7,8-HxCDF	ND	ng/g	0.0090	
2,3,4,6,7,8-HxCDF	ND	ng/g	0.0090	
1,2,3,7,8,9-HxCDF	ND	ng/g	0.0090	
HpCDFs (total)	0.018	ng/g	--	
1,2,3,4,6,7,8-HpCDF	0.018	ng/g	--	
1,2,3,4,7,8,9-HpCDF	ND	ng/g	0.016	
OCDF	ND	ng/g	0.034	
Dioxins				
TCDDs (total)	ND	ng/g	0.0080	
2,3,7,8-TCDD	ND	ng/g	0.0080	
PeCDDs (total)	ND	ng/g	0.013	
1,2,3,7,8-PeCDD	ND	ng/g	0.013	
HxCDDs (total)	ND	ng/g	0.020	
1,2,3,4,7,8-HxCDD	ND	ng/g	0.020	
1,2,3,6,7,8-HxCDD	ND	ng/g	0.020	
1,2,3,7,8,9-HxCDD	ND	ng/g	0.020	
HpCDDs (total)	0.018	ng/g	--	
1,2,3,4,6,7,8-HpCDD	0.018	ng/g	--	
OCDD	0.13	ng/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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POLYCHLORINATED DIOXINS/FURANS
 ISOMER SPECIFIC ANALYSIS (CONT.)
 LOW RESOLUTION

Client Name: New York State DEC			
Client ID: RB090 0604 915043-26			
Lab ID: 053194-0006-SA	Enseco ID: 152441		
Matrix: SOIL	Sampled: 07 JUN 90	Received: 08 JUN 90	
Authorized: 09 JUN 90	Prepared: 18 JUN 90	Analyzed: 22 JUN 90	

Sample Amount 10.4G
 Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	75
13C-2,3,7,8-TCDD	71
13C-1,2,3,7,8-PeCDD	116
13C-1,2,3,6,7,8-HxCDD	103
13C-1,2,3,4,6,7,8-HpCDD	120
13C-OCDD	74

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-158-21

FIELD ID: SWP #26

DATE RECEIVED: 6/7/90

ANALYSIS DATE: 8/30/90

ARCHIVE NUMBER: P15821

MATRIX: SOIL

% SOLID: 70

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

500-27

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: SED#27

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-158-22

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1B11A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9001B11A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	ND = LESS THAN 5 PPB
Total Chlorotoluene	ND	ALL CONCENTRATIONS LESS THAN
Total Dichlorobenzene	ND	5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SWP #27

% SOLID: 60

SAMPLE NUMBER: 990-158-22

MATRIX: SOIL

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *1E94A

ANALYSIS DATE: 7/22/90

DATA FILE NO.: 9001E94A

COMPOUND	CONC (ug/kg)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 280)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	14	
1 4-Dichlorobenzene	19	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	33	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC (ug/kg)	
2,4-Dinitrophenol	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	ND	
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	17	
Anthracene	ND	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	ND	
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	35	
Pyrene	36	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	16	
Benzo (a) Anthracene	26	
bis(2-Ethylhexyl)Phthalate	1900	B= 1600
Di-N-Octyl Phthalate	ND	
Benzo(b/k)Fluoranthene	20	
Benzo(a)Pyrene	21	
Indeno(1,2,3-cd)Pyrene	ND	
Dibenz(a,h)Anthracene	ND	
Benzo(g,h,i)Perylene	ND	

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
LOW RESOLUTION**

Client Name: New York State DEC
 Client ID: RB090 0604 915043-27
 Lab ID: 053194-0007-SA Enseco ID: 152442
 Matrix: SOIL Sampled: 07 JUN 90 Received: 08 JUN 90
 Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 22 JUN 90

Sample Amount 10.3G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	ND	ng/g	0.0050	
2,3,7,8-TCDF	ND	ng/g	0.0050	
PeCDFs (total)	ND	ng/g	0.0039	
1,2,3,7,8-PeCDF	ND	ng/g	0.0039	
2,3,4,7,8-PeCDF	ND	ng/g	0.0039	
HxCDFs (total)	ND	ng/g	0.0059	
1,2,3,4,7,8-HxCDF	ND	ng/g	0.0059	
1,2,3,6,7,8-HxCDF	ND	ng/g	0.0059	
2,3,4,6,7,8-HxCDF	ND	ng/g	0.0059	
1,2,3,7,8,9-HxCDF	ND	ng/g	0.0059	
HpCDFs (total)	ND	ng/g	0.022	
1,2,3,4,6,7,8-HpCDF	ND	ng/g	0.022	
1,2,3,4,7,8,9-HpCDF	ND	ng/g	0.022	
OCDF	ND	ng/g	0.079	

Dioxins

TCDDs (total)	ND	ng/g	0.0025	
2,3,7,8-TCDD	ND	ng/g	0.0025	
PeCDDs (total)	ND	ng/g	0.011	
1,2,3,7,8-PeCDD	ND	ng/g	0.011	
HxCDDs (total)	ND	ng/g	0.011	
1,2,3,4,7,8-HxCDD	ND	ng/g	0.011	
1,2,3,6,7,8-HxCDD	ND	ng/g	0.011	
1,2,3,7,8,9-HxCDD	ND	ng/g	0.011	
HpCDDs (total)	0.029	ng/g	--	
1,2,3,4,6,7,8-HpCDD	0.029	ng/g	--	
OCDD	0.26	ng/g	--	

(continued on following page)

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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POLYCHLORINATED DIOXINS/FURANS
 ISOMER SPECIFIC ANALYSIS (CONT.)
 LOW RESOLUTION

Client Name: New York State DEC			
Client ID: RB090 0604 915043-27			
Lab ID:	053194-0007-SA	Enseco ID:	152442
Matrix:	SOIL	Sampled:	07 JUN 90
Authorized:	09 JUN 90	Prepared:	18 JUN 90
		Received:	08 JUN 90
		Analyzed:	22 JUN 90

Sample Amount 10.3G
 Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	57
13C-2,3,7,8-TCDD	65
13C-1,2,3,7,8-PeCDD	75
13C-1,2,3,6,7,8-HxCDD	66
13C-1,2,3,4,6,7,8-HpCDD	70
13C-OCDD	41

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-158-22

FIELD ID: SWP #27

DATE RECEIVED: 6/7/90

ANALYSIS DATE: 9/4/90

ARCHIVE NUMBER: P15822

MATRIX: SOIL

% SOLID: 60

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

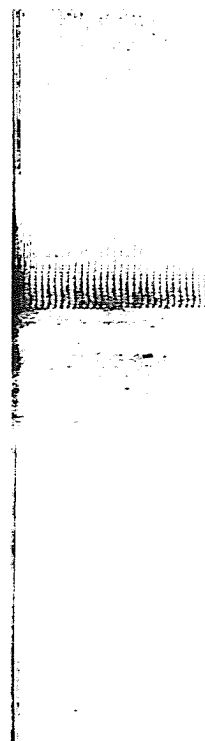
MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

SS-28
Residence yard



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-20

FIELD ID: SED #28

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 7/30/90

ARCHIVE NUMBER: P15520

MATRIX: SOIL

% SOLID: 82

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-20
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SED. STR. #28

ARCHIVE NO.: M1069
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOIDS: 82

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	7.1	10
BARIUM	542	200
BERYLLIUM	NR	5
CADMIUM	0.6U	5
CALCIUM	NR	5000
CHROMIUM	3.5	100
COBALT	NR	50
COPPER	17.6	25
IRON	NR	100
LEAD	24.4	5
MAGNESIUM	NR	5000
MANGANESE	252	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.2U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	92.2	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION**

Client Name: New York State DEC
 Client ID: RB090 0604 915043-28
 Lab ID: 053182-0004-SA Enseco ID: 151796
 Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 26 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	26	pg/g	--	
2,3,7,8-TCDF	2.3	pg/g	--	
PeCDFs (total)	14	pg/g	--	
1,2,3,7,8-PeCDF	1.0	pg/g	--	
2,3,4,7,8-PeCDF	1.9	pg/g	--	
HxCDFs (total)	14	pg/g	--	
1,2,3,4,7,8-HxCDF	1.5	pg/g	--	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.41	
2,3,4,6,7,8-HxCDF	3.0	pg/g	--	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.53	
HpCDFs (total)	18	pg/g	--	
1,2,3,4,6,7,8-HpCDF	6.2	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	1.4	
OCDF	16	pg/g	--	
Dioxins				
TCDDs (total)	3.3	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.58	
PeCDDs (total)	5.2	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	0.66	
HxCDDs (total)	23	pg/g	--	
1,2,3,4,7,8-HxCDD	0.91	pg/g	--	
1,2,3,6,7,8-HxCDD	2.0	pg/g	--	
1,2,3,7,8,9-HxCDD	1.1	pg/g	--	
HpCDDs (total)	87	pg/g	--	
1,2,3,4,6,7,8-HpCDD	46	pg/g	--	
OCDD	280	pg/g	--	

(continued on following page)

ND = Not detected
 NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

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POLYCHLORINATED DIOXINS/FURANS
 ISOMER SPECIFIC ANALYSIS (CONT.)
 HIGH RESOLUTION

Client Name: New York State DEC			
Client ID: RB090 0604 915043-28			
Lab ID:	053182-0004-SA	Enseco ID: 151796	
Matrix:	SOIL	Sampled: 04 JUN 90	Received: 07 JUN 90
Authorized:	09 JUN 90	Prepared: 18 JUN 90	Analyzed: 26 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	83
13C-2,3,7,8-TCDD	85
13C-1,2,3,7,8-PeCDD	100
13C-1,2,3,6,7,8-HxCDD	76
13C-1,2,3,4,6,7,8-HpCDD	78
13C-OCDD	67

ND = Not detected
 NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

SSS--29



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-24

FIELD ID: SSS #29

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 7/31/90

ARCHIVE NUMBER: P15524

MATRIX: SOIL

% SOLID: 85

=====

***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-24
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90

ARCHIVE NO.: M1073
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG

Field ID: SSS 29

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	5.2	10
BARIUM	257	200
BERYLLIUM	NR	5
CADMIUM	5U	5
CALCIUM	NR	5000
CHROMIUM	1.9	100
COBALT	NR	50
COPPER	9.3	25
IRON	NR	100
LEAD	11.8	5
MAGNESIUM	NR	5000
MANGANESE	160	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	10U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	47.1	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-29
Lab ID: 053182-0003-SA Enseco ID: 151795
Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 26 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	5.3	pg/g	--	
2,3,7,8-TCDF	ND	pg/g	0.68	
PeCDFs (total)	2.7	pg/g	--	
1,2,3,7,8-PeCDF	0.37	pg/g	--	
2,3,4,7,8-PeCDF	0.54	pg/g	--	
HxCDFs (total)	9.1	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	0.55	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.41	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.90	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.46	
HpCDFs (total)	12	pg/g	--	
1,2,3,4,6,7,8-HpCDF	ND	pg/g	2.2	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	2.2	
OCDF	11	pg/g	--	
Dioxins				
TCDDs (total)	0.47	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.41	
PeCDDs (total)	0.86	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	0.33	
HxCDDs (total)	16	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.60	
1,2,3,6,7,8-HxCDD	ND	pg/g	0.69	
1,2,3,7,8,9-HxCDD	ND	pg/g	0.57	
HpCDDs (total)	76	pg/g	--	
1,2,3,4,6,7,8-HpCDD	39	pg/g	--	
OCDD	330	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

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**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION**

Client Name:	New York State DEC		
Client ID:	RB090 0604 915043-29		
Lab ID:	053182-0003-SA	Enseco ID:	151795
Matrix:	SOIL	Sampled:	04 JUN 90
Authorized:	09 JUN 90	Prepared:	18 JUN 90
		Received:	07 JUN 90
		Analyzed:	26 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	77
13C-2,3,7,8-TCDD	81
13C-1,2,3,7,8-PeCDD	94
13C-1,2,3,6,7,8-HxCDD	60
13C-1,2,3,4,6,7,8-HpCDD	67
13C-OCDD	58

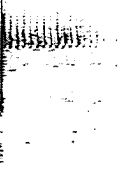
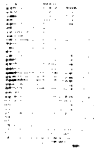
ND = Not detected
NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

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SSS-30



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-09

FIELD ID: SSS #30

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/8/90

ARCHIVE NUMBER: P15509

MATRIX: SOIL

% SOLID: 48

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-09
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #30

ARCHIVE NO.: M1066
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 48

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	5.8	10
BARIUM	801	200
BERYLLIUM	NR	5
CADMIUM	1.9	5
CALCIUM	NR	5000
CHROMIUM	7.0	100
COBALT	NR	50
COPPER	44.1	25
IRON	NR	100
LEAD	82.8	5
MAGNESIUM	NR	5000
MANGANESE	131	15
MERCURY	0.4	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	2.1U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	414	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-30
Lab ID: 053182-0002-SA Enseco ID: 151794
Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 26 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	25	pg/g	--	
2,3,7,8-TCDF	3.7	pg/g	--	
PeCDFs (total)	11	pg/g	--	
1,2,3,7,8-PeCDF	1.2	pg/g	--	
2,3,4,7,8-PeCDF	1.8	pg/g	--	
HxCDFs (total)	220	pg/g	--	
1,2,3,4,7,8-HxCDF	2.6	pg/g	--	
1,2,3,6,7,8-HxCDF	0.52	pg/g	--	
2,3,4,6,7,8-HxCDF	5.7	pg/g	--	
1,2,3,7,8,9-HxCDF	1.0	pg/g	--	
HpCDFs (total)	850	pg/g	--	
-1,2,3,4,6,7,8-HpCDF	56	pg/g	--	
1,2,3,4,7,8,9-HpCDF	19	pg/g	--	
OCDF	490	pg/g	--	
Dioxins				
TCDDs (total)	5.4	pg/g	--	
2,3,7,8-TCDD	0.90	pg/g	--	
PeCDDs (total)	14	pg/g	--	
1,2,3,7,8-PeCDD	1.7	pg/g	--	
HxCDDs (total)	270	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	2.4	
1,2,3,6,7,8-HxCDD	48	pg/g	--	
1,2,3,7,8,9-HxCDD	15	pg/g	--	
HpCDDs (total)	3500	pg/g	--	
1,2,3,4,6,7,8-HpCDD	1600	pg/g	--	
OCDD	21000	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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POLYCHLORINATED DIOXINS/FURANS
 ISOMER SPECIFIC ANALYSIS (CONT.)
 HIGH RESOLUTION

Client Name: New York State DEC			
Client ID: RB090 0604 915043-30			
Lab ID:	053182-0002-SA	Enseco ID:	151794
Matrix:	SOIL	Sampled:	04 JUN 90
Authorized:	09 JUN 90	Prepared:	18 JUN 90
		Received:	07 JUN 90
		Analyzed:	26 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	93
13C-2,3,7,8-TCDD	89
13C-1,2,3,7,8-PeCDD	85
13C-1,2,3,6,7,8-HxCDD	55
13C-1,2,3,4,6,7,8-HpCDD	67
13C-OCDD	67

ND = Not detected
 NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

SSS-31



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-23

FIELD ID: SSS #31

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 7/31/90

ARCHIVE NUMBER: P15523

MATRIX: SOIL

% SOLID: 72

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-23
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #31

ARCHIVE NO.: M1072
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 72

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	1.4U	10
BARIUM	192	200
BERYLLIUM	NR	5
CADMIUM	0.7U	5
CALCIUM	NR	5000
CHROMIUM	1.6	100
COBALT	NR	50
COPPER	5.4	25
IRON	NR	100
LEAD	5.0	5
MAGNESIUM	NR	5000
MANGANESE	208	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.4U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	65.6	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-31
Lab ID: 053182-0001-SA Enseco ID: 151792
Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 26 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	12	pg/g	--	
2,3,7,8-TCDF	1.2	pg/g	--	
PeCDFs (total)	6.2	pg/g	--	
1,2,3,7,8-PeCDF	0.61	pg/g	--	
2,3,4,7,8-PeCDF	0.87	pg/g	--	
HxCDFs (total)	8.1	pg/g	--	
1,2,3,4,7,8-HxCDF	1.2	pg/g	--	
1,2,3,6,7,8-HxCDF	0.42	pg/g	--	
2,3,4,6,7,8-HxCDF	1.4	pg/g	--	
1,2,3,7,8,9-HxCDF	0.45	pg/g	--	
HpCDFs (total)	19	pg/g	--	
1,2,3,4,6,7,8-HpCDF	3.4	pg/g	--	
1,2,3,4,7,8,9-HpCDF	1.1	pg/g	--	
OCDF	20	pg/g	--	

Dioxins

TCDDs (total)	2.0	pg/g	--	
2,3,7,8-TCDD	0.53	pg/g	--	
PeCDDs (total)	4.2	pg/g	--	
1,2,3,7,8-PeCDD	0.71	pg/g	--	
HxCDDs (total)	16	pg/g	--	
1,2,3,4,7,8-HxCDD	0.56	pg/g	--	
1,2,3,6,7,8-HxCDD	1.6	pg/g	--	
1,2,3,7,8,9-HxCDD	2.4	pg/g	--	
HpCDDs (total)	74	pg/g	--	
1,2,3,4,6,7,8-HpCDD	40	pg/g	--	
OCDD	260	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-31
Lab ID: 053182-0001-SA Enseco ID: 151792
Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 26 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	88
13C-2,3,7,8-TCDD	91
13C-1,2,3,7,8-PeCDD	97
13C-1,2,3,6,7,8-HxCDD	75
13C-1,2,3,4,6,7,8-HpCDD	69
13C-OCDD	59

ND = Not detected
NA = Not applicable

Reported By: Chuck Pudwill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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SSS--32

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-155-22

FIELD ID: SSS #32

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/10/90

ARCHIVE NUMBER: P15522

MATRIX: SOIL

% SOLID: 60

=====

****	AROCLOL - 1016	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOL - 1221	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOL - 1232	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOL - 1242	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOL - 1248	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOL - 1254	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOL - 1260	****
GAS CHROMATOGRAPH RESULTS:	POS	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	NEG	

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-22
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #32

ARCHIVE NO.: M1071
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 60

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	2.5	10
BARIUM	254	200
BERYLLIUM	NR	5
CADMIUM	3.0	5
CALCIUM	NR	5000
CHROMIUM	10U	100
COBALT	NR	50
COPPER	31.7	25
IRON	NR	100
LEAD	33.4	5
MAGNESIUM	NR	5000
MANGANESE	260	15
MERCURY	0.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.7U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	261	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-32
 Lab ID: 053181-0010-SA Enseco ID: 151791
 Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 17 JUN 90

Sample Amount 10.0G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	5.0	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	0.56	pg/g	--	

% Recovery

13C-2,3,7,8-TCDF	73
13C-2,3,7,8-TCDD	85

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043
Lab ID: 053181-0010-SA Inseco ID: 151791
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed:

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	30	pg/g	--	
2,3,7,8-TCDF	5.1	pg/g	--	
PeCDFs (total)	55	pg/g	--	
1,2,3,7,8-PeCDF	4.7	pg/g	--	
2,3,4,7,8-PeCDF	8.5	pg/g	--	
HxCDFs (total)	120	pg/g	--	
1,2,3,4,7,8-HxCDF	3.3	pg/g	--	
1,2,3,6,7,8-HxCDF	0.75 ~~ND~~	pg/g	~~NA~~	
2,3,4,6,7,8-HxCDF	5.9	pg/g	--	
1,2,3,7,8,9-HxCDF	29	pg/g	--	
HpCDFs (total)	91	pg/g	--	
1,2,3,4,6,7,8-HpCDF	14	pg/g	--	
1,2,3,4,7,8,9-HpCDF	3.5	pg/g	--	
OCDF	70	pg/g	--	

Dioxins

TCDDs (total)	5.6	pg/g	--	
2,3,7,8-TCDD	0.30	pg/g	--	
PeCDDs (total)	31	pg/g	--	
1,2,3,7,8-PeCDD	2.8	pg/g	--	
HxCDDs (total)	590	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	6.0	
1,2,3,6,7,8-HxCDD	60	pg/g	--	
1,2,3,7,8,9-HxCDD	54	pg/g	--	
HpCDDs (total)	1300	pg/g	--	
1,2,3,4,6,7,8-HpCDD	770	pg/g	--	
OCDD	5000	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By:

Approved By:

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-32
Lab ID: 053181-0010-SA Enseco ID: 151791
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed:

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	106
13C-2,3,7,8-TCDD	121
13C-1,2,3,7,8-PeCDD	54
13C-1,2,3,6,7,8-HxCDD	22
13C-1,2,3,4,6,7,8-HpCDD	34
13C-OCDD	29

ND = Not detected
NA = Not applicable

Reported By:

Approved By:

The cover letter is an integral part of this report.
Rev 230787

SSS-33

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-10

FIELD ID: SSS #33

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/8/90

ARCHIVE NUMBER: P15510

MATRIX: SOIL

% SOLID: 67

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-10
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #33

ARCHIVE NO.: M1067
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 67

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	8.6	10
BARIUM	320	200
BERYLLIUM	NR	5
CADMIUM	1.9	5
CALCIUM	NR	5000
CHROMIUM	4.4	10
COBALT	NR	50
COPPER	93.8	25
IRON	NR	100
LEAD	252	5
MAGNESIUM	NR	5000
MANGANESE	189	15
MERCURY	0.9	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.4	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	969	100

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)

NR = NOT REQUESTED

COMMENTS:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-10
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #33

ARCHIVE NO.: M1067
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 67

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	8.6	10
BARIUM	320	200
BERYLLIUM	NR	5
CADMIUM	1.9	5
CALCIUM	NR	5000
CHROMIUM	4.4	10
COBALT	NR	50
COPPER	93.8	25
IRON	NR	100
LEAD	252	5
MAGNESIUM	NR	5000
MANGANESE	189	15
MERCURY	0.9	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.4	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
UANIADIUM	NR	50
ZINC	969	100

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-33
 Lab ID: 053181-0009-SA Enseco ID: 151790
 Matrix: SOIL Sampled: 04 JUN 90 Received: 07 JUN 90
 Authorized: 09 JUN 90 Prepared: 17 JUN 90

Sample Amount 10.2G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	3.1	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	0.64	pg/g	--	

% Recovery

13C-2,3,7,8-TCDF	63
13C-2,3,7,8-TCDD	75

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi (4)

The cover letter is an integral part of this report.
 Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043
Lab ID: 053181-0009-SA Inseco ID: 151790
Matrix: SOIL Sampled: 04 JUN 90
Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90
Analyzed:

Sample Amount 10.2 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	52	pg/g	--	
2,3,7,8-TCDF	3.0	pg/g	--	
PeCDFs (total)	33	pg/g	--	
1,2,3,7,8-PeCDF	1.9	pg/g	--	
2,3,4,7,8-PeCDF	3.0	pg/g	--	
HxCDFs (total)	120	pg/g	--	
1,2,3,4,7,8-HxCDF	7.4	pg/g	--	
1,2,3,6,7,8-HxCDF	3.3	pg/g	--	
2,3,4,6,7,8-HxCDF	1.3	pg/g	--	
1,2,3,7,8,9-HxCDF	7.4	pg/g	--	
HpCDFs (total)	410	pg/g	--	
1,2,3,4,6,7,8-HpCDF	190	pg/g	--	
1,2,3,4,7,8,9-HpCDF	4.0	pg/g	--	
OCDF	200	pg/g	--	
Dioxins				
TCDDs (total)	9.3	pg/g	--	
2,3,7,8-TCDD	0.40	pg/g	--	
PeCDDs (total)	19	pg/g	--	
1,2,3,7,8-PeCDD	2.2	pg/g	--	
HxCDDs (total)	110	pg/g	--	
1,2,3,4,7,8-HxCDD	2.5	pg/g	--	
1,2,3,6,7,8-HxCDD	25	pg/g	--	
1,2,3,7,8,9-HxCDD	8.5	pg/g	--	
HpCDDs (total)	710	pg/g	--	
1,2,3,4,6,7,8-HpCDD	430	pg/g	--	
OCDD	3400	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By:

Approved By:

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC

Client ID: RB090 0604 915043-33

Lab ID: 053181-0009-SA

Enseco ID: 151790

Matrix: SOIL

Sampled: 04 JUN 90

Authorized: 09 JUN 90

Prepared: 17 JUN 90

Received: 07 JUN 90

Analyzed:

Sample Amount 10.2 G

Percent Moisture NA

% Recovery

13C-2,3,7,8-TCDF

90

13C-2,3,7,8-TCDD

106

13C-1,2,3,7,8-PeCDD

143

13C-1,2,3,6,7,8-HxCDD

106

13C-1,2,3,4,6,7,8-HpCDD

102

13C-OCDD

99

ND = Not detected

NA = Not applicable

Reported By:

Approved By:

The cover letter is an integral part of this report.

Rev 230787

SS--34

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-21

FIELD ID: SED SSS #34

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/10/90

ARCHIVE NUMBER: P15621

MATRIX: SOIL

% SOLID: 79

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-21
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #34

ARCHIVE NO.: M1070
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 79

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	11.5	10
BARIUM	95.5	200
BERYLLIUM	NR	5
CADMIUM	0.6U	5
CALCIUM	NR	5000
CHROMIUM	2.4	100
COBALT	NR	50
COPPER	15.0	25
IRON	NR	100
LEAD	86.8	5
MAGNESIUM	NR	5000
MANGANESE	99.8	15
MERCURY	0.3	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.2U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
UANIUM	NR	50
ZINC	139	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-34
 Lab ID: 053181-0008-SA Enseco ID: 151789
 Matrix: SOIL Sampled: 04 JUN 90
 Authorized: 09 JUN 90 Prepared: 17 JUN 90 Received: 07 JUN 90

Sample Amount 10.1G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	0.58	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	ND	pg/g	0.21	

% Recovery

13C-2,3,7,8-TCDF	67
13C-2,3,7,8-TCDD	80

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

586-323

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-05
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #35

ARCHIVE NO.: M1064
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 65

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	17.3	10
BARIUM	237	200
BERYLLIUM	NR	5
CADMIUM	6.2	5
CALCIUM	NR	5000
CHROMIUM	6.0	10
COBALT	NR	50
COPPER	38.0	25
IRON	NR	100
LEAD	242	5
MAGNESIUM	NR	5000
MANGANESE	283	15
MERCURY	0.5	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.5U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	198	100

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-35
 Lab ID: 053181-0007-SA Enseco ID: 151788
 Matrix: SOIL Sampled: 04 JUN 90
 Authorized: 09 JUN 90 Prepared: 17 JUN 90
 Received: 07 JUN 90

Sample Amount 9.90G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	6.1	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	0.82	pg/g	--	

% Recovery

13C-2,3,7,8-TCDF	76
13C-2,3,7,8-TCDD	88

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

555--26

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-155-08

FIELD ID: SSS #36

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/7/90

ARCHIVE NUMBER: P15508

MATRIX: SOIL

% SOLID: 73

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPE

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 500 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-155-08
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/4/90
DATE ANALYZED: 6/5/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #36

ARCHIVE NO.: M1065
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 73

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	8.5	10
BARIUM	158	200
BERYLLIUM	NR	5
CADMIUM	4.2	5
CALCIUM	NR	5000
CHROMIUM	6.2	100
COBALT	NR	50
COPPER	28.7	25
IRON	NR	100
LEAD	107	5
MAGNESIUM	NR	5000
MANGANESE	193	15
MERCURY	0.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.30	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	191	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

2,3,7,8-TCDD/TCDF

HIGH RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-36
 Lab ID: 053181-0006-SA Enseco ID: 151787
 Matrix: SOIL Sampled: 04 JUN 90
 Authorized: 09 JUN 90 Prepared: 17 JUN 90

Received: 07 JUN 90

Sample Amount 10.1g
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDF	3.5	pg/g	--	

Dioxins

Column Type: DB-DXN
 Analyzed: 29 JUN 90

2,3,7,8-TCDD	0.75	pg/g	--	

% Recovery

13C-2,3,7,8-TCDF	69
13C-2,3,7,8-TCDD	78

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION**

Client Name: New York State DEC
 Client ID: RB090 0604 915043-37
 Lab ID: 053315-0001-SA Enseco ID: 152696
 Matrix: SOIL Sampled: 05 JUN 90
 Authorized: 16 JUN 90 Prepared: 25 JUN 90
 Received: 15 JUN 90
 Analyzed: 14 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	9.9	pg/g	--	
2,3,7,8-TCDF	0.62	pg/g	--	
PeCDFs (total)	5.6	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.48	
2,3,4,7,8-PeCDF	ND	pg/g	0.95	
HxCDFs (total)	6.8	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	1.7	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.89	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.70	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.70	
HpCDFs (total)	10	pg/g	--	
1,2,3,4,6,7,8-HpCDF	5.2	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.59	
OCDF	9.1	pg/g	--	

Dioxins

TCDDs (total)	0.74	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.37	
PeCDDs (total)	ND	pg/g	0.48	
1,2,3,7,8-PeCDD	ND	pg/g	0.48	
HxCDDs (total)	2.2	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.97	
1,2,3,6,7,8-HxCDD	ND	pg/g	0.97	
1,2,3,7,8,9-HxCDD	ND	pg/g	0.97	
HpCDDs (total)	33	pg/g	--	
1,2,3,4,6,7,8-HpCDD	15	pg/g	--	
OCDD	65	pg/g	--	

(continued on following page)

ND = Not detected
 NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION**

Client Name:	New York State DEC		
Client ID:	RB090 0604 915043-37	Enseco ID:	152696
Lab ID:	053315-0001-SA	Sampled:	05 JUN 90
Matrix:	SOIL	Prepared:	25 JUN 90
Authorized:	16 JUN 90	Received:	15 JUN 90
		Analyzed:	14 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	106
13C-2,3,7,8-TCDD	93
13C-1,2,3,7,8-PeCDD	108
13C-1,2,3,6,7,8-HxCDD	119
13C-1,2,3,4,6,7,8-HpCDD	108
13C-OCDD	114

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-02

FIELD ID: SSS #38

DATE RECEIVED: 6/7/90

ANALYSIS DATE: 9/5/90

ARCHIVE NUMBER: P15602

MATRIX: SOIL

% SOLID: 69

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***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-02
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/5/90
DATE ANALYZED: 6/13/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #38

ARCHIVE NO.: M1074
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 68.9

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	9.0	10
BARIUM	123	200
BERYLLIUM	NR	5
CADMIUM	0.72U	5
CALCIUM	NR	5000
CHROMIUM	7.5	10
COBALT	NR	50
COPPER	12.0	25
IRON	NR	100
LEAD	58.0	5
MAGNESIUM	NR	5000
MANGANESE	118	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.45U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	106	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-38
Lab ID: 053315-0002-SA Enseco ID: 152698
Matrix: SOIL Sampled: 05 JUN 90 Received: 15 JUN 90
Authorized: 16 JUN 90 Prepared: 25 JUN 90 Analyzed: 14 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	16	pg/g	--	
2,3,7,8-TCDF	1.8	pg/g	--	
PeCDFs (total)	13	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.78	
2,3,4,7,8-PeCDF	ND	pg/g	1.2	
HxCDFs (total)	14	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	2.6	
1,2,3,6,7,8-HxCDF	ND	pg/g	1.4	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.86	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.27	
HpCDFs (total)	19	pg/g	--	
1,2,3,4,6,7,8-HpCDF	9.9	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.47	
OCDF	14	pg/g	--	
Dioxins				
TCDDs (total)	6.8	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.29	
PeCDDs (total)	6.5	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	0.54	
HxCDDs (total)	14	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	1.7	
1,2,3,6,7,8-HxCDD	ND	pg/g	1.7	
1,2,3,7,8,9-HxCDD	ND	pg/g	1.8	
HpCDDs (total)	54	pg/g	--	
1,2,3,4,6,7,8-HpCDD	27	pg/g	--	
OCDD	130	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

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POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-38
Lab ID: 053315-0002-SA Enseco ID: 152698
Matrix: SOIL Sampled: 05 JUN 90
Authorized: 16 JUN 90 Prepared: 25 JUN 90
Received: 15 JUN 90
Analyzed: 14 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

% Recovery

13C-2,3,7,8-TCDF	119
13C-2,3,7,8-TCDD	103
13C-1,2,3,7,8-PeCDD	92
13C-1,2,3,6,7,8-HxCDD	138
13C-1,2,3,4,6,7,8-HpCDD	126
13C-OCDD	128

ND = Not detected
NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-03

FIELD ID: SSS #39

DATE RECEIVED: 6/7/90

ANALYSIS DATE: 9/ 5/90

ARCHIVE NUMBER: P15603

MATRIX: SOIL

% SOLID: 83

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***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-03
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/5/90
DATE ANALYZED: 6/13/90
DATE REPORTED: 8/3/90
FIELD IS: SSS #39

ARCHIVE NO.: M1082
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 82.5

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	1.1	100
BARIUM	161	200
BERYLLIUM	NR	5
CADMIUM	0.6U	5
CALCIUM	NR	5000
CHROMIUM	6.0	10
COBALT	NR	50
COPPER	8.3	25
IRON	NR	100
LEAD	24.0	5
MAGNESIUM	NR	5000
MANGANESE	218	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.2U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	110	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)

NR = NOT REQUESTED

COMMENTS:

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-39
Lab ID: 053315-0003-SA Enseco ID: 152699
Matrix: SOIL Sampled: 05 JUN 90 Received: 15 JUN 90
Authorized: 16 JUN 90 Prepared: 25 JUN 90 Analyzed: 14 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	2.6	pg/g	--	
2,3,7,8-TCDF	ND	pg/g	0.69	
PeCDFs (total)	3.0	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.22	
2,3,4,7,8-PeCDF	ND	pg/g	0.42	
HxCDFs (total)	5.0	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	0.34	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.45	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.34	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.34	
HpCDFs (total)	5.0	pg/g	--	
1,2,3,4,6,7,8-HpCDF	3.7	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.26	
OCDF	6.1	pg/g	--	
Dioxins				
TCDDs (total)	1.3	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.37	
PeCDDs (total)	1.4	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	0.58	
HxCDDs (total)	3.9	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	1.1	
1,2,3,6,7,8-HxCDD	ND	pg/g	1.1	
1,2,3,7,8,9-HxCDD	ND	pg/g	1.1	
HpCDDs (total)	26	pg/g	--	
1,2,3,4,6,7,8-HpCDD	ND	pg/g	12	
OCDD	63	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

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POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-39
Lab ID: 053315-0003-SA
Matrix: SOIL
Authorized: 16 JUN 90

Enseco ID: 152699
Sampled: 05 JUN 90
Prepared: 25 JUN 90

Received: 15 JUN 90
Analyzed: 14 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	107
13C-2,3,7,8-TCDD	93
13C-1,2,3,7,8-PeCDD	70
13C-1,2,3,6,7,8-HxCDD	115
13C-1,2,3,4,6,7,8-HpCDD	100
13C-OCDD	89

ND = Not detected
NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-04

FIELD ID: SSS #40

DATE RECEIVED: 6/5/90

ANALYSIS DATE: 9/5/90

ARCHIVE NUMBER: P15604

MATRIX: SOIL

% SOLID: 85

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**** APOCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER:	990-156-04	ARCHIVE NO.: M1076
SITE NAME:	PFOHHL BROTHERS	SITE CODE: 915-043
DATE COLLECTED:	6/5/90	
DATE ANALYZED:	6/13/90	MATRIX: SOIL
DATE REPORTED:	8/3/90	CONC. UNITS: MG/KG
FIELD ID:	SSS #40	% SOLIDS: 84.9

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	1.0	100
BARIUM	180	200
BERYLLIUM	NR	5
CADMIUM	0.6U	5
CALCIUM	NR	5000
CHROMIUM	7.0	10
COBALT	NR	50
COPPER	10.1	25
IRON	NR	100
LEAD	1.6	25
MAGNESIUM	NR	5000
MANGANESE	189	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.17U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	29.7	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-40
Lab ID: 053315-0004-SA Enseco ID: 152700
Matrix: SOIL Sampled: 05 JUN 90
Authorized: 16 JUN 90 Prepared: 25 JUN 90

Received: 15 JUN 90
Analyzed: 14 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	2.8	pg/g	--	
2,3,7,8-TCDF	ND	pg/g	0.48	
PeCDFs (total)	1.4	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.28	
2,3,4,7,8-PeCDF	0.41	pg/g	--	
HxCDFs (total)	3.2	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	0.56	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.25	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.21	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.56	
HpCDFs (total)	3.2	pg/g	--	
1,2,3,4,6,7,8-HpCDF	ND	pg/g	1.2	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.15	
OCDF	6.0	pg/g	--	

Dioxins

TCDDs (total)	0.97	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.33	
PeCDDs (total)	1.9	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	0.31	
HxCDDs (total)	6.8	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.33	
1,2,3,6,7,8-HxCDD	ND	pg/g	0.78	
1,2,3,7,8,9-HxCDD	ND	pg/g	1.2	
HpCDDs (total)	30	pg/g	--	
1,2,3,4,6,7,8-HpCDD	14	pg/g	--	
OCDD	46	pg/g	--	

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ND = Not detected
NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

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**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION**

PRELIMINARY

Client Name: New York State DEC
 Client ID: RB090 0604 915043-40
 Lab ID: 053315-0004-SA Enseco ID: 152700
 Matrix: SOIL Sampled: 05 JUN 90
 Authorized: 16 JUN 90 Prepared: 25 JUN 90

Received: 15 JUN 90
 Analyzed: 14 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	104
13C-2,3,7,8-TCDD	118
13C-1,2,3,7,8-PeCDD	78
13C-1,2,3,6,7,8-HxCDD	88
13C-1,2,3,4,6,7,8-HpCDD	139
13C-OCDD	157

ND = Not detected
 NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-06

FIELD ID: SED #41

DATE RECEIVED: 6/4/90

ANALYSIS DATE: 8/25/90

ARCHIVE NUMBER: P15606

MATRIX: SOIL

% SOLID: NA

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPE

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-06
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/5/90
DATE ANALYZED: 6/13/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #41

ARCHIVE NO.: M1077
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 66.1

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	1.1	100
BARIUM	146	200
BERYLLIUM	NR	5
CHROMIUM	2.6	5
CALCIUM	NR	5000
CHROMIUM	4.6	10
COBALT	N	50
COPPER	11.6	25
IRON	NR	100
LEAD	15.2	5
MAGNESIUM	NR	5000
MANGANESE	118	15
MERCURY	0.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.50	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	100	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)

NR = NOT REQUESTED

COMMENTS:

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION**

Client Name: New York State DEC
 Client ID: RB090 0604 915043-41
 Lab ID: 053315-0005-SA Enseco ID: 152701
 Matrix: SOIL Sampled: 05 JUN 90
 Authorized: 16 JUN 90 Prepared: 25 JUN 90
 Received: 15 JUN 90
 Analyzed: 14 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	8.9	pg/g	--	
2,3,7,8-TCDF	1.1	pg/g	--	
PeCDFs (total)	4.9	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.67	
2,3,4,7,8-PeCDF	ND	pg/g	0.83	
HxCDFs (total)	6.0	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	1.4	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.81	
2,3,4,6,7,8-HxCDF	ND	pg/g	1.1	
1,2,3,7,8,9-HxCDF	ND	pg/g	1.1	
HpCDFs (total)	14	pg/g	--	
1,2,3,4,6,7,8-HpCDF	6.6	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	1.0	
OCDF	12	pg/g	--	
Dioxins				
TCDDs (total)	2.3	pg/g	--	
2,3,7,8-TCDD	0.52	pg/g	--	
PeCDDs (total)	ND	pg/g	1.3	
1,2,3,7,8-PeCDD	ND	pg/g	0.52	
HxCDDs (total)	12	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	2.0	
1,2,3,6,7,8-HxCDD	ND	pg/g	2.0	
1,2,3,7,8,9-HxCDD	ND	pg/g	1.8	
HpCDDs (total)	54	pg/g	--	
1,2,3,4,6,7,8-HpCDD	24	pg/g	--	
OCDD	99	pg/g	--	

(continued on following page)

ND = Not detected
 NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.

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**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION**

Client Name: New York State DEC			
Client ID: RB090 0604 915043-41		Enseco ID: 152701	
Lab ID: 053315-0005-SA		Sampled: 05 JUN 90	Received: 15 JUN 90
Matrix: SOIL		Prepared: 25 JUN 90	Analyzed: 14 JUL 90
Authorized: 16 JUN 90			

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	106
13C-2,3,7,8-TCDD	91
13C-1,2,3,7,8-PeCDD	102
13C-1,2,3,6,7,8-HxCDD	109
13C-1,2,3,4,6,7,8-HpCDD	87
13C-OCDD	88

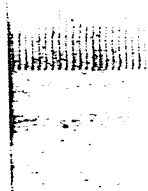
ND = Not detected
NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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CH-533



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-08

FIELD ID: SSS #42

DATE RECEIVED: 6/5/90

ANALYSIS DATE: 9/5/90

ARCHIVE NUMBER: P15608

MATRIX: SOIL

% SOLID: 85

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***** ARDCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** ARDCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-08
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/5/90
DATE ANALYZED: 6/13/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #42

ARCHIVE NO.: M1078
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 84.8

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	7.6	50
BARIUM	323	200
BERYLLIUM	NR	5
CADMIUM	3.0	5
CALCIUM	NR	5000
CHROMIUM	5.8	10
COBALT	NR	50
COPPER	12.0	25
IRON	NR	100
LEAD	23.6	5
MAGNESIUM	NR	5000
MANGANESE	313	15
MERCURY	0.1U	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.2U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	50.9	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION**

Client Name: New York State DEC
 Client ID: RB090 0604 915043-42
 Lab ID: 053315-0006-SA Enseco ID: 152702
 Matrix: SOIL Sampled: 05 JUN 90
 Authorized: 16 JUN 90 Prepared: 25 JUN 90
 Received: 15 JUN 90
 Analyzed: 14 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	6.3	pg/g	--	
2,3,7,8-TCDF	0.82	pg/g	--	
PeCDFs (total)	3.3	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.55	
2,3,4,7,8-PeCDF	ND	pg/g	0.44	
HxCDFs (total)	7.7	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	1.1	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.80	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.63	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.27	
HpCDFs (total)	13	pg/g	--	
1,2,3,4,6,7,8-HpCDF	ND	pg/g	0.52	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.52	
OCDF	10	pg/g	--	

Dioxins

TCDDs (total)	1.4	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.35	
PeCDDs (total)	ND	pg/g	0.91	
1,2,3,7,8-PeCDD	ND	pg/g	0.41	
HxCDDs (total)	8.0	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.42	
1,2,3,6,7,8-HxCDD	ND	pg/g	1.1	
1,2,3,7,8,9-HxCDD	ND	pg/g	1.5	
HpCDDs (total)	48	pg/g	--	
1,2,3,4,6,7,8-HpCDD	22	pg/g	--	
OCDD	94	pg/g	--	

(continued on following page)

ND = Not detected
 NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-42
Lab ID: 053315-0006-SA Enseco ID: 152702
Matrix: SOIL Sampled: 05 JUN 90
Authorized: 16 JUN 90 Prepared: 25 JUN 90
Received: 15 JUN 90
Analyzed: 14 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	101
13C-2,3,7,8-TCDD	88
13C-1,2,3,7,8-PeCDD	99
13C-1,2,3,6,7,8-HxCDD	99
13C-1,2,3,4,6,7,8-HpCDD	92
13C-OCDD	81

ND = Not detected
NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

SSS-43

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-09

FIELD ID: SSS #43

DATE RECEIVED: 6/5/90

ANALYSIS DATE: 9/5/90

ARCHIVE NUMBER: P15609

MATRIX: SOIL

% SOLID: 79

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***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-09
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/5/90
DATE ANALYZED: 6/13/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #43

ARCHIVE NO.: M1079
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 79.4

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	10.1	100
BARIUM	25U	200
BERYLLIUM	NR	5
CADMIUM	2.9	5
CALCIUM	NR	5000
CHROMIUM	7.9	10
COBALT	NR	50
COPPER	6.6	25
IRON	NR	100
LEAD	25.0	5
MAGNESIUM	NR	5000
MANGANESE	59.2	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.2U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	52.2	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/BEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION**

PRELIMINARY

Client Name: New York State DEC
 Client ID: RB090 0604 915043-43
 Lab ID: 053315-0007-SA
 Matrix: SOIL
 Authorized: 16 JUN 90
 Enseco ID: 152703
 Sampled: 05 JUN 90
 Prepared: 25 JUN 90

Received: 15 JUN 90
 Analyzed: 14 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	5.7	pg/g	--	
2,3,7,8-TCDF	0.65	pg/g	--	
PeCDFs (total)	4.8	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.44	
2,3,4,7,8-PeCDF	ND	pg/g	0.65	
HxCDFs (total)	6.1	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	0.81	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.65	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.81	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.81	
HpCDFs (total)	3.7	pg/g	--	
1,2,3,4,6,7,8-HpCDF	3.7	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.32	
OCDF	17	pg/g	--	
Dioxins				
TCDDs (total)	0.48	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.27	
PeCDDs (total)	ND	pg/g	0.34	
1,2,3,7,8-PeCDD	ND	pg/g	0.34	
HxCDDs (total)	12	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.54	
1,2,3,6,7,8-HxCDD	1.4	pg/g	--	
1,2,3,7,8,9-HxCDD	2.0	pg/g	--	
HpCDDs (total)	57	pg/g	--	
1,2,3,4,6,7,8-HpCDD	28	pg/g	--	
OCDD	74	pg/g	--	

(continued on following page)

ND = Not detected
 NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION**

PRELIMINARY

Client Name: New York State DEC
 Client ID: RB090 0604 915043-43
 Lab ID: 053315-0007-SA
 Matrix: SOIL
 Authorized: 16 JUN 90

Enseco ID: 152703
 Sampled: 05 JUN 90
 Prepared: 25 JUN 90

Received: 15 JUN 90
 Analyzed: 14 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	104
13C-2,3,7,8-TCDD	121
13C-1,2,3,7,8-PeCDD	83
13C-1,2,3,6,7,8-HxCDD	93
13C-1,2,3,4,6,7,8-HpCDD	151
13C-OCDD	149

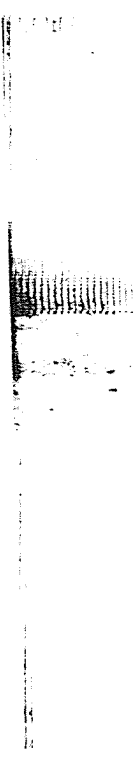
ND = Not detected
 NA = Not applicable

Reported By: Kathy Gill

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

SSS-44



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-10

FIELD ID: SSS #44

DATE RECEIVED: 6/5/90

ANALYSIS DATE: 9/5/90

ARCHIVE NUMBER: P15610

MATRIX: SOIL

% SOLID: 85

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-10
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/5/90
DATE ANALYZED: 6/13/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #44

ARCHIVE NO.: M1081
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 85.2

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	5.8	50
BARIUM	167	200
BERYLLIUM	NR	5
CADMIUM	1.9	5
CALCIUM	NR	5000
CHROMIUM	1.2U	10
COBALT	NR	50
COPPER	8.1	25
IRON	NR	100
LEAD	11.7	5
MAGNESIUM	NR	5000
MANGANESE	228	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.2U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
TANTALUM	NR	50
ZINC	35.7	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)

NR = NOT REQUESTED

COMMENTS:

**POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION**

PRELIMINARY

Client Name: New York State DEC
 Client ID: RB090 0604 915043-44
 Lab ID: 053315-0008-SA
 Matrix: SOIL
 Authorized: 16 JUN 90

Enseco ID: 152704
 Sampled: 05 JUN 90
 Prepared: 25 JUN 90

Received: 15 JUN 90
 Analyzed: 14 JUL 90

Sample Amount 10.0 G
 Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers

Furans

TCDFs (total)	0.55	pg/g		
2,3,7,8-TCDF	ND	pg/g	0.36	
PeCDFs (total)	ND	pg/g	0.22	
1,2,3,7,8-PeCDF	ND	pg/g	0.22	
2,3,4,7,8-PeCDF	ND	pg/g	0.22	
HxCDFs (total)	3.9	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	0.38	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.18	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.30	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.18	
HpCDFs (total)	6.4	pg/g	--	
1,2,3,4,6,7,8-HpCDF	2.0	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.20	
OCDF	12	pg/g	--	

Dioxins

TCDDs (total)	0.26	pg/g	--	
2,3,7,8-TCDD	0.26	pg/g	--	
PeCDDs (total)	ND	pg/g	0.17	
1,2,3,7,8-PeCDD	ND	pg/g	0.17	
HxCDDs (total)	3.9	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.84	
1,2,3,6,7,8-HxCDD	0.76	pg/g	--	
1,2,3,7,8,9-HxCDD	ND	pg/g	0.84	
HpCDDs (total)	46	pg/g	--	
1,2,3,4,6,7,8-HpCDD	22	pg/g	--	
OCDD	70	pg/g	--	

(continued on following page)

ND = Not detected
 NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Enseco
PRELIMINARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-44
Lab ID: 053315-0008-SA
Matrix: SOIL
Authorized: 16 JUN 90

Enseco ID: 152704
Sampled: 05 JUN 90
Prepared: 25 JUN 90

Received: 15 JUN 90
Analyzed: 14 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	113
13C-2,3,7,8-TCDD	125
13C-1,2,3,7,8-PeCDD	88
13C-1,2,3,6,7,8-HxCDD	95
13C-1,2,3,4,6,7,8-HpCDD	146
13C-OCDD	137

ND = Not detected
NA = Not applicable

Reported By: Mark Bechthold

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

SWT--45
Elkoff Creek

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-15
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/3/90
DATE ANALYZED: 6/4/90
DATE REPORTED: 8/3/90
FIELD ID: SWT #45

ARCHIVE NO.: M1068
SITE CODE: 915-043

MATRIX: AQUEOUS
CONC. UNITS: UG/L

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	10U	10
BARIUM	670	200
BERYLLIUM	NR	5
CADMIUM	5U	5
CALCIUM	NR	5000
CHROMIUM	10U	10
COBALT	NR	50
COPPER	25U	25
IRON	NR	100
LEAD	5U	5
MAGNESIUM	NR	5000
MANGANESE	37.0	15
MERCURY	0.2U	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	10U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
URANIUM	NR	50
ZINC	20U	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:SWT#45

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-156-15

MATRIX:WATER

SUBMISSION DATE:6/6/90

ARCHIVE NO.:*0B76A

ANALYSIS DATE:6/6/90

DATA FILE NO.:9000B76A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Eenzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: SWT #45

% SOLID: NA

SAMPLE NUMBER: 990-156-15

MATRIX: AQUEOUS

SUBMISSION DATE: 6/6/90

ARCHIVE NO.: *0E75A

ANALYSIS DATE: 6/14/90

DATA FILE NO.: 9000E75A

COMPOUND	CONC (ug/l)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 5)
Bis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	Blank Concentrations -
Nitrobenzene	ND	Diethylphthalate - 1
Isophorone	ND	Di-n-butylphthalate - 1
2-Nitrophenol	ND	Bis(ethylhexyl)
2 4-Dimethylphenol	ND	phthalate - 14
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	
2,4-Dinitrotoluene	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	

CON'T SAMPLE NUMBER: 990-156-15

DATA FILE: 9000E75A

page 2

COMPOUND	CONC (ug/l)
Diethylphthalate	2
2 Methyl 4,6-Dinitrophenol	ND
N-Nitrosodiphenylamine	ND
4-Nitroaniline	ND
4-Bromophenyl-phenylether	ND
Alpha-BHC	ND
Hexachlorobenzene	ND
Pentachlorophenol	ND
Beta-BHC/Gamma-BHC *	ND
Phenanthrene	ND
Anthracene	ND
Delta-BHC	ND
Heptachlor	ND
Di-N-Butylphthalate	2
Aldrin	ND
Heptachlor Epoxide	ND
Fluoranthene	ND
Pyrene	ND
Endosulfan I	ND
4,4'-DDE	ND
Dieldrin	ND
Endrin	ND
Endrin Aldehyde	ND
Endosulfan II	ND
4,4'-DDD	ND
Butylbenzylphthalate	ND
Endosulfan Sulfate	ND
4,4'-DDT	ND
Chrysene	ND
Benzo (a) Anthracene	ND
bis(2-Ethylhexyl)Phthalate	13
Di-N-Octyl Phthalate	ND
Benzo(a)Pyrene	ND
Indeno(1,2,3-cd)Pyrene	ND
Dibenz(a,h)Anthracene	ND
Benzo(g,h,i)Ferylene	ND

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROS.

SITE CODE: 0915043

SAMPLE NUMBER: 990-156-15

FIELD ID: SWT #45

DATE RECEIVED: 6/6/90

ANALYSIS DATE: 8/9/90

ARCHIVE NUMBER: P15615

MATRIX: AQUEOUS

% SOLID: NA

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

50T--M6

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:#46

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-156-23

MATRIX:WATER

SUBMISSION DATE:6/8/90

ARCHIVE NO.:*0B83A

ANALYSIS DATE:6/8/90

DATA FILE NO.:9000B83A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: STR. #46

% SOLID: NA

SAMPLE NUMBER: 990-156-23

MATRIX: AQUEOUS

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *0E70A

ANALYSIS DATE: 6/13/90

DATA FILE NO.:9000E70A

COMPOUND	CONC (ug/l)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 5)
Eis(2-Chloroethyl)Ether	ND	
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1 2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/l)	
2,4-Dinitrophenol	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	ND	
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	ND	
Anthracene	ND	
Delta-BHC	ND	
Heptachlor	ND	
~~Di-N-Butylphthalate~~	1	1B= 1
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	ND	
Pyrene	ND	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	ND	
Benzo (a) Anthracene	ND	
Diis(2-Ethylhexyl)Phthalate	6	1B= 13
Di-N-Octyl Phthalate	ND	
Benzo(a)Pyrene	ND	
Indeno(1,2,3-cd)Pyrene	ND	
Dibenz(a,h)Anthracene	ND	
Benzo(g,h,i)Perylene	ND	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-23

FIELD ID: SSS #46

DATE RECEIVED: 6/5/90

ANALYSIS DATE: 9/ 4/90

ARCHIVE NUMBER: P15623

MATRIX: WATER

% SOLID: NH

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

9/14/90

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SITE NAME: PFOHL BROTHERS
FIELD ID: STR. #46

SAMPLE NUMBER: 990-156-23
DATE COLLECTED: 6/6/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90

SITE CODE: 915-043
MATRIX: AQUEOUS
PERCENT SOLIDS: N/A
CONC. UNITS: UG/L
ARCHIVE NO.: M1096

METAL	CONC	
ALUMINIUM	NR	NR = NOT REQUESTED
ANTIMONY	NR	
ARSENIC	10U	
BARIUM	620	
BERYLLIUM	NR	
CADMIUM	5U	
CAESIUM	NR	
CHROMIUM	10U	
COBALT	NR	
COPPER	25U	
IRON	NR	
LEAD	3.5	
MAGNESIUM	NR	
MANGANESE	22.0	
MERCURY	0.2U	
NICKEL	NR	
POTASSIUM	NR	
SELENIUM	NR	
SILVER	10U	
SODIUM	NR	
THALLIUM	NR	
TIN	NR	
URANIUM	NR	
ZINC	20U	

COMMENTS:

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-23
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/6/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: STR. #46

ARCHIVE NO.: M1096
SITE CODE: 915-043

MATRIX: AQUEOUS
CONC. UNITS: UG/L

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	NR	10
BARIUM	10U	200
BERYLLIUM	620	5
CADMIUM	5U	5
CALCIUM	NR	5000
CHROMIUM	10U	10
COBALT	NR	50
COPPER	25U	25
IRON	NR	100
LEAD	3.5	5
MAGNESIUM	NR	5000
MANGANESE	22.0	15
MERCURY	0.2U	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	10U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	20U	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED



uh--JMS



N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-24
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: STR. #47

ARCHIVE NO.: M1097
SITE CODE: 915-043

MATRIX: AQUEOUS
CONC. UNITS: UG/L

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	10U	10
BARIUM	860	200
BERYLLIUM	NR	5
CADMIUM	5U	5
CALCIUM	NR	5000
CHROMIUM	10U	10
COBALT	NR	50
COPPER	25U	25
IRON	NR	100
LEAD	5U	5
MAGNESIUM	NR	5000
MANGANESE	37.0	15
MERCURY	0.2U	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	10U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	20U	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: #47

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-157-24

MATRIX: WATER

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *0B84A

ANALYSIS DATE: 6/8/90

DATA FILE NO.: 9000B84A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: STR. #47

% SOLID: NA

SAMPLE NUMBER: 990-157-24

MATRIX: AQUEOUS

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *0E70A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9000E71A

COMPOUND	CONC (ug/l)	TIC AND COMMENT SECTION
Phenol	ND	Detection limit - CRDL (Pesticide detection limit - 5)
2-Chlorophenol	ND	
Aniline	ND	
Bis(2-Chloroethyl)Ether	ND	* Beta and Gamma BHC coelute - reported as the sum of the isomers
1 3-Dichlorobenzene	ND	
1 4-Dichlorobenzene	ND	
1 2-Dichlorobenzene	ND	TIC - No TICs identified
Benzyl Alcohol	ND	
2-Methylphenol	ND	
bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2 4-Dimethylphenol	ND	
bis(2-chloroethoxy)Methane	ND	
2 4-Chlorophenol	ND	
1 2 4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

COMPOUND	CONC(ug/l)	
2,4-Dinitrophenol	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	ND	
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	ND	
Anthracene	ND	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	1	IB= 1
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	ND	
Pyrene	ND	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	ND	
Benzo (a) Anthracene	ND	
bis(2-Ethylhexyl)Phthalate	17	IB= 13
Di-N-Octyl Phthalate	ND	
Benzo(a)Pyrene	ND	
Indeno(1,2,3-cd)Pyrene	ND	
Dibenzo(a,b)Anthracene	ND	
Benzo(g,h,i)Perylene	ND	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-24

FIELD ID: SSS #47

DATE RECEIVED: 6/5/90

ANALYSIS DATE: 9/5/90

ARCHIVE NUMBER: P15724

MATRIX: WATER

% SOLID: NA

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***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1243 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-24
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: STR. #47

ARCHIVE NO.: M1097
SITE CODE: 915-043

MATRIX: AQUEOUS
CONC. UNITS: UG/L

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	10U	10
BARIUM	860	200
BERYLLIUM	NR	5
CADMIUM	5U	5
CALCIUM	NR	5000
CHROMIUM	10U	10
COBALT	NR	50
COPPER	25U	25
IRON	NR	100
LEAD	5U	5
MAGNESIUM	NR	5000
MANGANESE	37.0	15
MERCURY	0.2U	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	10U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	20U	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED



SWT-48

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY SEMI-VOLATILE ANALYSIS

SITE NAME: PFOHL BROS LANDFILL

FIELD ID: STR. #48

% SOLID: NA

SAMPLE NUMBER: 990-157-25

MATRIX: AQUEOUS

SUBMISSION DATE: 6/8/90

ARCHIVE NO.: *0E72A

ANALYSIS DATE: 6/13/90

DATA FILE NO.: 9000E72A

COMPOUND	CONC (ug/l)	TIC AND COMMENT SECTION
Phenol	ND	
2-Chlorophenol	ND	Detection limit - CRDL
Aniline	ND	(Pesticide detection limit - 5)
Bis(2-Chloroethyl)Ether	ND	
1,3-Dichlorobenzene	ND	
1,4-Dichlorobenzene	ND	* Beta and Gamma BHC coelute -
1,2-Dichlorobenzene	ND	reported as the sum of the isomers
Benzyl Alcohol	ND	
2-Methylphenol	ND	
Bis(2-chloroisopropyl)Ether	ND	
Hexachloroethane	ND	TIC - No TICs identified
4-Methylphenol	ND	
N-Nitroso-di-propylamine	ND	
Nitrobenzene	ND	
Isophorone	ND	
2-Nitrophenol	ND	
2,4-Dimethylphenol	ND	
Bis(2-chloroethoxy)Methane	ND	
2,4-Chlorophenol	ND	
1,2,4-Trichlorobenzene	ND	
Naphthalene	ND	
Benzoic acid	ND	
4-Chloroaniline	ND	
Hexachlorodutadiene	ND	
4-Chloro-3-Methylphenol	ND	
2-Methylnaphthalene	ND	
Hexachlorocyclopentadiene	ND	
2,4,6-Trichlorophenol	ND	
2,4,5-trichlorophenol	ND	
2-Chloronaphthalene	ND	
2-Nitroaniline	ND	
Acenaphthylene	ND	
Dimethyl Phthalate	ND	
2,6-Dinitrotoluene	ND	
Acenaphthene	ND	
3-Nitroaniline	ND	
2,4-Dinitrophenol	ND	
Dibenzofuran	ND	
4-Nitrophenol	ND	

CONT SAMPLE NUMBER: 990-157-25

DATA FILE: 9000E72A

page 2

COMPOUND	CONC(ug/l)	
2,4-Dinitrophenol	ND	
Fluorene	ND	
4-Chlorophenyl-phenylether	ND	
Diethylphthalate	ND	
2 Methyl 4,6-Dinitrophenol	ND	
N-Nitrosodiphenylamine	ND	
4-Nitroaniline	ND	
4-Bromophenyl-phenylether	ND	
Alpha-BHC	ND	
Hexachlorobenzene	ND	
Pentachlorophenol	ND	
Beta-BHC/Gamma-BHC *	ND	
Phenanthrene	ND	
Anthracene	ND	
Delta-BHC	ND	
Heptachlor	ND	
Di-N-Butylphthalate	1	1B= 1
Aldrin	ND	
Heptachlor Epoxide	ND	
Fluoranthene	ND	
Pyrene	ND	
Endosulfan I	ND	
4,4'-DDE	ND	
Dieldrin	ND	
Endrin	ND	
Endrin Aldehyde	ND	
Endosulfan II	ND	
4,4'-DDD	ND	
Butylbenzylphthalate	ND	
Endosulfan Sulfate	ND	
4,4'-DDT	ND	
Chrysene	ND	
Benzo (a) Anthracene	ND	
bis(2-Ethylhexyl)Phthalate	11	1B= 13
Di-N-Octyl Phthalate	ND	
Benzo(a)Pyrene	ND	
Indeno(1,2,3-cd)Pyrene	ND	
Dibenz(a,h)Anthracene	ND	
Benzo(g,h,i)Perylene	ND	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFDHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-25

FIELD ID: SSS #48

DATE RECEIVED: 6/5/90

ANALYSIS DATE: 9/ 5/90

ARCHIVE NUMBER: P15725

MATRIX: WATER

% SOLID: NA

=====

***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. ~~RESULTS~~ REPORT

SAMPLE NUMBER: 990-157-25
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: STR. #48

ARCHIVE NO.: M1098
SITE CODE: 915-043

MATRIX: AQUEOUS
CONC. UNITS: $\mu\text{g/L}$

METAL	CONC	DETECTION LIMITS FOR WATER ($\mu\text{g/L}$)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	10U	10
BARIUM	870	200
BERYLLIUM	NR	5
CADMIUM	9.0	5
CALCIUM	NR	5000
CHROMIUM	10U	10
COBALT	NR	50
COPPER	25U	25
IRON	NR	100
LEAD	5U	5
MAGNESIUM	NR	5000
MANGANESE	46.0	15
MERCURY	0.2U	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	10U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
URANIUM	NR	50
ZINC	20U	20

CONCENTRATION UNITS ARE: WATER ($\mu\text{g/L}$), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

GWS--49
MW-55

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: GWS#49

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-158-03

MATRIX: WATER

SUBMISSION DATE: 6/11/90

ARCHIVE NO.: *0B90A

ANALYSIS DATE: 6/11/90

DATA FILE NO.: 9000B90A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

SS--50
Area B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-08

FIELD ID: SSS #50

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/28/90

ARCHIVE NUMBER: P15708

MATRIX: SOIL

% SOLID: 68.5

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: 290 ug/K wet weight

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: 510 ug/K wet weight

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-08
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SSS #50

ARCHIVE NO.: M1086
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 68.5

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	10.0	10
BARIUM	452	200
BERYLLIUM	NR	5
CADMIUM	4.9	5
CALCIUM	NR	5000
CHROMIUM	11.5	10
COBALT	NR	50
COPPER	106	25
IRON	NR	100
LEAD	158	5
MAGNESIUM	NR	5000
MANGANESE	360	15
MERCURY	0.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.40	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	500	100

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

2,3,7,8-TCDD

LOW RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-50
 Lab ID: 053194-0008-SA Enseco ID: 152443
 Matrix: SOIL Sampled: 06 JUN 90
 Authorized: 09 JUN 90 Prepared: 18 JUN 90
 Received: 08 JUN 90
 Analyzed: 20 JUN 90

Sample Amount 10.3G
 Percent Moisture NA
 Column Type SP-2331

Parameter	Result	Units	Detection Limit	Data Qualifiers
Dioxins				
2,3,7,8-TCDD	ND	ng/g	0.024	
	% Recovery			
13C-2,3,7,8-TCDD	52			

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787



2,3,7,8-TCDD/TCDF

Amended

LOW RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-50
 Lab ID: 053194-0008-SA Enseco ID: 152443
 Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
 Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 20 JUN 90

Sample Amount 10.3G
 Column Type SP-2331
 Percent Moisture NA

Parameter	Result	Wet wt. Units	Detection Limit	Data Qualifiers
Furans				
2,3,7,8-TCDF	ND	ng/g	0.018	
Dioxins				
2,3,7,8-TCDD	ND	ng/g	0.024	
	% Recovery			
13C-2,3,7,8-TCDF	43			
13C-2,3,7,8-TCDD	52			

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-09

FIELD ID: SSS #51

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/28/90

ARCHIVE NUMBER: P15709

MATRIX: SOIL

% SOLID: 56.8

=====

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: 310 ug/K wet weight

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: 2600 ug/K wet weight

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-09
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SSS #51

ARCHIVE NO.: M1087
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 56.8

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	15.5	10
BARIUM	656	200
BERYLLIUM	NR	5
CADMIUM	27.6	5
CALCIUM	NR	5000
CHROMIUM	84.0	10
COBALT	NR	50
COPPER	378	25
IRON	NR	100
LEAD	840	5
MAGNESIUM	NR	5000
MANGANESE	440	30
MERCURY	0.7	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	2.0	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	1730	100

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

LOW RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-51
Lab ID: 053194-0009-SA Enseco ID: 152445
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 20 JUN 90

Sample Amount 10.7G
Percent Moisture NA
Column Type SP-2331

Parameter	Result	Units	Detection Limit	Data Qualifiers
Dioxins				
2,3,7,8-TCDD	ND	ng/g	0.025	
	% Recovery			
13C-2,3,7,8-TCDD	33			

ND = Not detected
NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787



2,3,7,8-TCDD/TCDF

LOW RESOLUTION

Amended

Client Name: New York State DEC
 Client ID: RB090 0604 915043-51
 Lab ID: 053194-0009-SA Enseco ID: 152445
 Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
 Authorized: 09 JUN 90 Prepared: 18 JUN 90 Analyzed: 20 JUN 90

Sample Amount 10.7G
 Column Type SP-2331
 Percent Moisture NA

Parameter	Result	Wet wt. Units	Detection Limit	Data Qualifiers
Furans				
2,3,7,8-TCDF	ND	ng/g	0.030	
Dioxins				
2,3,7,8-TCDD	ND	ng/g	0.025	
% Recovery				
13C-2,3,7,8-TCDF	17			
13C-2,3,7,8-TCDD	33			

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

SSS--52



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-10

FIELD ID: SSS #52

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/28/90

ARCHIVE NUMBER: P15710

MATRIX: SOIL

% SOLID: 74.0

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****	AROCLOR - 1016	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOR - 1221	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOR - 1232	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOR - 1242	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

****	AROCLOR - 1248	****
GAS CHROMATOGRAPH RESULTS:	POS	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	600 ug/K	wet weight

****	AROCLOR - 1254	****
GAS CHROMATOGRAPH RESULTS:	POS	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	19000 ug/K	wet weight

****	AROCLOR - 1260	****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-10
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SSS #52

ARCHIVE NO.: M1088
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 74.0

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	17.5	10
BARIUM	630	200
BERYLLIUM	NR	5
CADMIUM	20.0	5
CALCIUM	NR	5000
CHROMIUM	78.4	10
COBALT	NR	50
COPPER	1057	250
IRON	NR	100
LEAD	851	5
MAGNESIUM	NR	5000
MANGANESE	407	30
MERCURY	6.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	3.1	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	1847	200

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)

NR = NOT REQUESTED

COMMENTS:

2,3,7,8-TCDD

LOW RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-52
 Lab ID: 053195-0001-SA Enseco ID: 151998
 Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
 Authorized: 11 JUN 90 Prepared: 18 JUN 90 Analyzed: 20 JUN 90

Sample Amount 10.4G
 Percent Moisture NA
 Column Type SP-2331

Parameter	Result	Units	Detection Limit	Data Qualifiers
Dioxins				
2,3,7,8-TCDD	ND	ng/g	0.026	
	% Recovery			
13C-2,3,7,8-TCDD	29			

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

2,3,7,8-TCDD/TCDF**LOW RESOLUTION****Amended**

Client Name: New York State DEC
Client ID: RB090 0604 915043-52
Lab ID: 053195-0001-SA Enseco ID: 151998
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 18 JUN 90

Sample Amount: 140.4 G
Percent Moisture: NA

Parameter	Result	Units	Detection Limit
Furans			
Column Type: SP-2331			
Date Analyzed: 24 AUG 90			
2,3,7,8-TCDF	ND	ng/g	0.035

Dioxins

Column Type: SP-2331			
Date Analyzed: 20 JUN 90			
2,3,7,8-TCDD	ND	ng/g	0.026

	% Recovery
13C-2,3,7,8-TCDF	17
13C-2,3,7,8-TCDD	29

ND=Not Detected
NA=Not Applicable

Reported by: Dan Vickers Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
Version 070187

SSS--53



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-11

FIELD ID: SSS #53

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/28/90

ARCHIVE NUMBER: P15711

MATRIX: SOIL

% SOLID: 75.4

=====

**** ARDCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** ARDCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: 560 ug/K wet weight

**** ARDCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** ARDCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** ARDCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** ARDCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: POS DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: 270 ug/K wet weight

**** ARDCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER:	990-157-11	ARCHIVE NO.: M1089
SITE NAME:	PFOHL BROTHERS	SITE CODE: 915-043
DATE COLLECTED:	6/7/90	
DATE ANALYZED:	6/8/90	MATRIX: SOIL
DATE REPORTED:	8/6/90	CONC. UNITS: MG/KG
FIELD ID:	SSS #53	% SOLIDS: 75.4

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	6.3	10
BARIUM	282	200
BERYLLIUM	NR	5
CADMIUM	4.4	5
CALCIUM	NR	5000
CHROMIUM	14.5	10
COBALT	NR	50
COPPER	54.6	25
IRON	NR	100
LEAD	172	5
MAGNESIUM	NR	5000
MANGANESE	151	15
MERCURY	0.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.30	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	1020	100

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

2,3,7,8-TCDD

LOW RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-53
 Lab ID: 053195-0002-SA Enseco ID: 152000
 Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
 Authorized: 11 JUN 90 Prepared: 18 JUN 90 Analyzed: 20 JUN 90

Sample Amount 10.0G
 Percent Moisture NA
 Column Type SP-2331

Parameter	Result	Units	Detection Limit	Data Qualifiers
Dioxins				
2,3,7,8-TCDD	ND	ng/g	0.043	
	% Recovery			
13C-2,3,7,8-TCDD	48			

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

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 Rev 230787

2,3,7,8-TCDD/TCDF

LOW RESOLUTION

Amended

Client Name: New York State DEC
 Client ID: RB090 0604 915043-53
 Lab ID: 053195-0002-SA Enseco ID: 152000
 Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
 Authorized: 11 JUN 90 Prepared: 18 JUN 90

Sample Amount: 10.0 G
 Percent Moisture: NA

Parameter	Result	Units	Detection Limit
Furans			
Column Type: SP-2331			
Date Analyzed: 24 AUG 90			
2,3,7,8-TCDF	ND	ng/g	0.031

Dioxins

Column Type: SP-2331			
Date Analyzed: 20 JUN 90			
2,3,7,8-TCDD	ND	ng/g	0.043

	% Recovery
13C-2,3,7,8-TCDF	36
13C-2,3,7,8-TCDD	48

ND=Not Detected
 NA=Not Applicable

Reported by: Dan Vickers

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
 Version 070187

SSS -- 54

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-12 FIELD ID: SSS #54
DATE RECEIVED: 6/8/90 ANALYSIS DATE: 8/28/90
ARCHIVE NUMBER: P15712 MATRIX: SOIL % SOLID: 82.6

=====

*****	AROCLOR - 1016	*****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	
*****	AROCLOR - 1221	*****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	
*****	AROCLOR - 1232	*****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	
*****	AROCLOR - 1242	*****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	
*****	AROCLOR - 1248	*****
GAS CHROMATOGRAPH RESULTS:	PDS	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	400 ug/K	wet weight
*****	AROCLOR - 1254	*****
GAS CHROMATOGRAPH RESULTS:	PDS	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	3200 ug/K	wet weight
*****	AROCLOR - 1260	*****
GAS CHROMATOGRAPH RESULTS:	ND	DETECTION LIMIT 50 PPB
MASS SPECTROMETER RESULTS:	ND	

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-12
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SSS #54

ARCHIVE NO.: M1090
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 82.6

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	1.2U	10
BARIUM	962	200
BERYLLIUM	NR	5
CADMIUM	3.8	5
CALCIUM	NR	5000
CHROMIUM	4.8	10
COBALT	NR	50
COPPER	74.6	25
IRON	NR	100
LEAD	24.2	5
MAGNESIUM	NR	5000
MANGANESE	250	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.2U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
ZINC	114	100

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

2,3,7,8-TCDD

LOW RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-54
 Lab ID: 053195-0003-SA Enseco ID: 152001
 Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
 Authorized: 11 JUN 90 Prepared: 18 JUN 90 Analyzed: 20 JUN 90

Sample Amount 10.1G
 Percent Moisture NA
 Column Type SP-2331

Parameter	Result	Units	Detection Limit	Data Qualifiers

Dioxins

2,3,7,8-TCDD	ND	ng/g	0.087	

% Recovery

13C-2,3,7,8-TCDD	11			

ND = Not detected
 NA = Not applicable

Reported By: Dan Vickers

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
 Rev 230787

2,3,7,8-TCDD/TCDF

Amended

LOW RESOLUTION

Client Name: New York State DEC
 Client ID: RB090 0604 915043-54
 Lab ID: 053195-0003-SA Enseco ID: 152001
 Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
 Authorized: 11 JUN 90 Prepared: 18 JUN 90

Sample Amount: 10.1 G
 Percent Moisture: NA

Parameter	Result	Units	Detection Limit
Furans			
Column Type: SP-2331			
Date Analyzed: 24 AUG 90			
2,3,7,8-TCDF	ND	ng/g	0.064

Dioxins

Column Type: SP-2331			
Date Analyzed: 20 JUN 90			
2,3,7,8-TCDD	ND	ng/g	0.087

	% Recovery
13C-2,3,7,8-TCDF	5.0
13C-2,3,7,8-TCDD	11

ND=Not Detected
 NA=Not Applicable

Reported by: Dan Vickers

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.

Version 070187

SSS--55
West of Area B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-13

FIELD ID: SSS #55

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/29/90

ARCHIVE NUMBER: P15713

MATRIX: SOIL

% SOLID: 67.5

***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-13
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SSS #55

ARCHIVE NO.: M1091
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 67.5

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	3.0	10
BARIUM	29U	200
BERYLLIUM	NR	5
CADMIUM	3.3	5
CALCIUM	NR	5000
CHROMIUM	2.3	10
COBALT	NR	50
COPPER	25U	25
IRON	NR	100
LEAD	14.5	5
MAGNESIUM	NP	5000
MANGANESE	52.0	15
MERCURY	0.1U	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.4U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NP	50
ZINC	49.6	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-55
Lab ID: 053195-0004-SA Enseco ID: 152002
Matrix: SOIL Sampled: 06 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90
Received: 08 JUN 90
Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	7.8	pg/g	--	
2,3,7,8-TCDF	0.86	pg/g	--	
PeCDFs (total)	6.8	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.63	
2,3,4,7,8-PeCDF	ND	pg/g	1.1	
HxCDFs (total)	11	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	2.0	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.71	
2,3,4,6,7,8-HxCDF	ND	pg/g	1.6	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.67	
HpCDFs (total)	15	pg/g	--	
1,2,3,4,6,7,8-HpCDF	5.9	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.45	
OCDF	14	pg/g	--	
Dioxins				
TCDDs (total)	4.9	pg/g	--	
2,3,7,8-TCDD	0.46	pg/g	--	
PeCDDs (total)	5.7	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	0.75	
HxCDDs (total)	16	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.42	
1,2,3,6,7,8-HxCDD	ND	pg/g	1.8	
1,2,3,7,8,9-HxCDD	ND	pg/g	2.3	
HpCDDs (total)	43	pg/g	--	
1,2,3,4,6,7,8-HpCDD	24	pg/g	--	
OCDD	120	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-55
Lab ID: 053195-0004-SA Enseco ID: 152002
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90 Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	106
13C-2,3,7,8-TCDD	101
13C-1,2,3,7,8-PeCDD	117
13C-1,2,3,6,7,8-HxCDD	96
13C-1,2,3,4,6,7,8-HpCDD	113
13C-OCDD	112

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

SS-- 56
Residence Yard

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-14

FIELD ID: SSS #56

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/29/90

ARCHIVE NUMBER: P15714

MATRIX: SOIL

% SOLID: 46.1

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-14
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SSS #56

ARCHIVE NO.: M1092
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 46.1

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	21.0	10
BARIUM	95.5	200
BERYLLIUM	NR	5
CADMIUM	5.2	5
CALCIUM	NR	5000
CHROMIUM	14.9	50
COBALT	NR	50
COPPER	19.7	25
IRON	NR	100
LEAD	65.1	5
MAGNESIUM	NR	5000
MANGANESE	525	15
MERCURY	0.10	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	2.20	10
SODIUM	NR	5000
THALLIUM	NR	10
Ti	NR	40
WANTONIUM	NR	50
ZINC	155	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-56
Lab ID: 053195-0005-SA Enseco ID: 152003
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90 Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	7.4	pg/g	--	
2,3,7,8-TCDF	0.67	pg/g	--	
PeCDFs (total)	6.5	pg/g	--	
1,2,3,7,8-PeCDF	0.47	pg/g	--	
2,3,4,7,8-PeCDF	0.70	pg/g	--	
HxCDFs (total)	9.0	pg/g	--	
1,2,3,4,7,8-HxCDF	1.5	pg/g	--	
1,2,3,6,7,8-HxCDF	0.68	pg/g	--	
2,3,4,6,7,8-HxCDF	ND	pg/g	0.76	
1,2,3,7,8,9-HxCDF	0.30	pg/g	--	
HpCDFs (total)	10	pg/g	--	
1,2,3,4,6,7,8-HpCDF	9.5	pg/g	--	
1,2,3,4,7,8,9-HpCDF	0.66	pg/g	--	
OCDF	23	pg/g	--	
Dioxins				
TCDDs (total)	3.7	pg/g	--	
2,3,7,8-TCDD	0.49	pg/g	--	
PeCDDs (total)	3.2	pg/g	--	
1,2,3,7,8-PeCDD	0.58	pg/g	--	
HxCDDs (total)	9.0	pg/g	--	
1,2,3,4,7,8-HxCDD	0.34	pg/g	--	
1,2,3,6,7,8-HxCDD	1.1	pg/g	--	
1,2,3,7,8,9-HxCDD	1.4	pg/g	--	
HpCDDs (total)	43	pg/g	--	
1,2,3,4,6,7,8-HpCDD	25	pg/g	--	
OCDD	130	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

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POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-56
Lab ID: 053195-0005-SA Enseco ID: 152003
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90 Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	110
13C-2,3,7,8-TCDD	101
13C-1,2,3,7,8-PeCDD	115
13C-1,2,3,6,7,8-HxCDD	135
13C-1,2,3,4,6,7,8-HpCDD	138
13C-OCDD	132

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
QUALITY CONTROL SUMMARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-56 MSD
Lab ID: 053195-0005-SD Enseco ID: 152005
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90 Analyzed: 23 JUL 90

Sample Amount: 10.0 G
Column Type: DB-5

Parameters	pg/g Found in Sample	pg/g Spiked	pg/g Found in MS Sample	% Recovery
Furans				
2,3,7,8-TCDF	0.67	50	55	109
1,2,3,7,8-PeCDF	0.47	250	180	72
1,2,3,4,7,8-HxCDF	1.5	250	130	51
1,2,3,4,6,7,8-HpCDF	9.5	250	170	64
OCDF (total)	NA	NA	NA	NA
Dioxins				
2,3,7,8-TCDD	0.49	50	48	95
1,2,3,7,8-PeCDD	0.58	250	300	120
1,2,3,4,7,8-HxCDD	0.34	250	230	92
1,2,3,4,6,7,8-HpCDD	25	250	370	138
OCDD (total)	130	1000	1200	107

% Recovery

13C-2,3,7,8-TCDF	115
13C-2,3,7,8-TCDD	110
13C-1,2,3,7,8-PeCDD	114
13C-1,2,3,4,7,8-HxCDD	112
13C-1,2,3,4,6,7,8-HpCDD	118
13C-OCDD	115

ND=Not Detected
NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi

The cover letter is an integral part of this report.
Version 070187

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
QUALITY CONTROL SUMMARY

Client Name: New York State DEC
Client ID: RB090 0604 915043-56 MS
Lab ID: 053195-0005-MS Enseco ID: 152004
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90 Analyzed: 23 JUL 90

Sample Amount: 10.0 G
Column Type: DB-5

Parameters	pg/g Found in Sample	pg/g Spiked	pg/g Found in MS Sample	% Recovery
Furans				
2,3,7,8-TCDF	0.67	50	49	97
1,2,3,7,8-PeCDF	0.47	250	170	68
1,2,3,4,7,8-HxCDF	1.5	250	150	59
1,2,3,4,6,7,8-HpCDF	9.5	250	170	64
OCDF (total)	NA	NA	NA	NA
Dioxins				
2,3,7,8-TCDD	0.49	50	43	85
1,2,3,7,8-PeCDD	0.58	250	280	112
1,2,3,4,7,8-HxCDD	0.34	250	230	92
1,2,3,4,6,7,8-HpCDD	25	250	330	122
OCDD (total)	130	1000	1100	97

% Recovery

13C-2,3,7,8-TCDF	137
13C-2,3,7,8-TCDD	116
13C-1,2,3,7,8-PeCDD	114
13C-1,2,3,4,7,8-HxCDD	117
13C-1,2,3,4,6,7,8-HpCDD	121
13C-OCDD	114

ND=Not Detected
NA=Not Applicable

Reported by: Martha Maier

Approved by: Mike Filigenzi (M)

The cover letter is an integral part of this report.
Version 070187

SSS-67

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-15

FIELD ID: SSS #57

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/29/90

ARCHIVE NUMBER: P15715

MATRIX: SOIL

% SOLID: 82.9

***** AROCLOR - 1016 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1221 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1232 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1242 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1248 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1254 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

***** AROCLOR - 1260 *****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-15
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SSS #57

ARCHIVE NO.: M1093
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 82.9

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	6.2	10
BARIUM	72.6	200
BERYLLIUM	NR	5
CADMIUM	2.7	5
CALCIUM	NR	5000
CHROMIUM	4.0	10
COBALT	NR	50
COPPER	11.1	25
IRON	NR	100
LEAD	339	5
MAGNESIUM	NR	5000
MANGANESE	88.9	15
MERCURY	0.10	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.20	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
U-THORIUM	NR	50
ZINC	162	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)

NR = NOT REQUESTED

COMMENTS:

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-57
Lab ID: 053195-0006-SA Enseco ID: 152006
Matrix: SOIL Sampled: 06 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90
Received: 08 JUN 90
Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	15	pg/g	--	
2,3,7,8-TCDF	1.1	pg/g	--	
PeCDFs (total)	11	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	2.0	
2,3,4,7,8-PeCDF	ND	pg/g	1.3	
HxCDFs (total)	11	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	2.9	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.97	
2,3,4,6,7,8-HxCDF	ND	pg/g	1.5	
1,2,3,7,8,9-HxCDF	ND	pg/g	2.9	
HpCDFs (total)	16	pg/g	--	
1,2,3,4,6,7,8-HpCDF	7.2	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.86	
OCDF	14	pg/g	--	
Dioxins				
TCDDs (total)	4.9	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.31	
PeCDDs (total)	7.2	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	1.5	
HxCDDs (total)	11	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	1.1	
1,2,3,6,7,8-HxCDD	ND	pg/g	1.4	
1,2,3,7,8,9-HxCDD	ND	pg/g	1.7	
HpCDDs (total)	40	pg/g	--	
1,2,3,4,6,7,8-HpCDD	23	pg/g	--	
OCDD	150	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-57
Lab ID: 053195-0006-SA Enseco ID: 152006
Matrix: SOIL Sampled: 06 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90
Received: 08 JUN 90
Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	121
13C-2,3,7,8-TCDD	105
13C-1,2,3,7,8-PeCDD	116
13C-1,2,3,6,7,8-HxCDD	108
13C-1,2,3,4,6,7,8-HpCDD	116
13C-OCDD	110

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

SSS--58

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-16

FIELD ID: SSS #58

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/29/90

ARCHIVE NUMBER: P15716

MATRIX: SOIL

% SOLID: 80.5

**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SITE NAME: PFOHL BROTHERS
FIELD ID: SSS #58

SAMPLE NUMBER: 990-157-16
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90

SITE CODE: 915043
MATRIX: SOIL
PERCENT SOLIDS: 80
CONC. UNITS: mg/Kg
ARCHIVE NO.: M1094

METAL	CONC	
ALUMINIUM	NR	NR = NOT REQUESTED
ANTIMONY	NR	
ARSENIC	9.9	
BARIUM	72.6	
BERYLLIUM	NR	
CADMIUM	3.0	
CALCIUM	NR	
CHROMIUM	6.8	
COBALT	NR	
COPPER	17.3	
IRON	NR	
LEAD	160	
MAGNESIUM	NR	
MANGANESE	127	
MERCURY	0.10	
NICKEL	NR	
POTASSIUM	NR	
SELENIUM	NR	
SILVER	1.20	
SODIUM	NR	
THALLIUM	NR	
TIN	NR	
VANADIUM	NR	
ZINC	140	

COMMENTS:

Brac. correction for calcium and chromium.

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-157-16
SITE NAME: PFOHL BROTHERS
DATE COLLECTED: 6/7/90
DATE ANALYZED: 6/8/90
DATE REPORTED: 8/6/90
FIELD ID: SSS # 58

ARCHIVE NO.: M1094
SITE CODE: 915-043
MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 80.5

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	9.9	10
BARIUM	72.6	200
BERYLLIUM	NR	5
CADMIUM	3.0	5
CALCIUM	6.8	5000
CHROMIUM	NR	10
COBALT	6.8	50
COPPER	17.3	25
IRON	NR	100
LEAD	160	5
MAGNESIUM	NR	5000
MANGANESE	127	15
MERCURY	0.10	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.20	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	140	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-58
Lab ID: 053195-0007-SA Enseco ID: 152007
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90 Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	14	pg/g	--	
2,3,7,8-TCDF	0.74	pg/g	--	
PeCDFs (total)	9.6	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.89	
2,3,4,7,8-PeCDF	ND	pg/g	1.2	
HxCDFs (total)	11	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	2.2	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.89	
2,3,4,6,7,8-HxCDF	ND	pg/g	1.2	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.23	
HpCDFs (total)	13	pg/g	--	
1,2,3,4,6,7,8-HpCDF	6.9	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.71	
OCDF	14	pg/g	--	
Dioxins				
TCDDs (total)	4.0	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.43	
PeCDDs (total)	5.5	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	0.85	
HxCDDs (total)	9.1	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.63	
1,2,3,6,7,8-HxCDD	ND	pg/g	0.97	
1,2,3,7,8,9-HxCDD	ND	pg/g	1.4	
HpCDDs (total)	27	pg/g	--	
1,2,3,4,6,7,8-HpCDD	15	pg/g	--	
OCDD	90	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-58
Lab ID: 053195-0007-SA Enseco ID: 152007
Matrix: SOIL Sampled: 06 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90
Received: 08 JUN 90
Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	105
13C-2,3,7,8-TCDD	96
13C-1,2,3,7,8-PeCDD	105
13C-1,2,3,6,7,8-HxCDD	103
13C-1,2,3,4,6,7,8-HpCDD	101
13C-OCDD	92

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
Rev 230787

555--59

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-157-17

FIELD ID: SSS #59

DATE RECEIVED: 6/8/90

ANALYSIS DATE: 8/29/90

ARCHIVE NUMBER: P15717

MATRIX: SOIL

% SOLID: 62.2

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER:	990-157-17	ARCHIVE NO.:	M1095
SITE NAME:	PFOHL BROTHERS	SITE CODE:	915-043
DATE COLLECTED:	6/7/90		
DATE ANALYZED:	6/8/90	MATRIX:	SOIL
DATE REPORTED:	8/6/90	CONC. UNITS:	MG/KG
FIELD ID:	SSS #59	% SOLIDS:	62.2

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	10.8	10
BARIUM	67.2	200
BERYLLIUM	NR	5
CADMIUM	4.3	5
CALCIUM	NR	5000
CHROMIUM	6.4	10
COBALT	NR	50
COPPER	22.2	25
IRON	NR	100
LEAD	48.0	5
MAGNESIUM	NR	5000
MANGANESE	140	15
MERCURY	0.1	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.6U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	125	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)
NR = NOT REQUESTED
COMMENTS:

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-59
Lab ID: 053195-0008-SA Enseco ID: 152008
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90 Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

Parameter	Result	Units	Detection Limit	Data Qualifiers
Furans				
TCDFs (total)	10	pg/g	--	
2,3,7,8-TCDF	0.97	pg/g	--	
PeCDFs (total)	8.9	pg/g	--	
1,2,3,7,8-PeCDF	ND	pg/g	0.71	
2,3,4,7,8-PeCDF	ND	pg/g	1.0	
HxCDFs (total)	10	pg/g	--	
1,2,3,4,7,8-HxCDF	ND	pg/g	1.6	
1,2,3,6,7,8-HxCDF	ND	pg/g	0.69	
2,3,4,6,7,8-HxCDF	ND	pg/g	1.2	
1,2,3,7,8,9-HxCDF	ND	pg/g	0.33	
HpCDFs (total)	36	pg/g	--	
1,2,3,4,6,7,8-HpCDF	13	pg/g	--	
1,2,3,4,7,8,9-HpCDF	ND	pg/g	0.67	
OCDF	28	pg/g	--	
Dioxins				
TCDDs (total)	3.9	pg/g	--	
2,3,7,8-TCDD	ND	pg/g	0.42	
PeCDDs (total)	4.5	pg/g	--	
1,2,3,7,8-PeCDD	ND	pg/g	0.74	
HxCDDs (total)	12	pg/g	--	
1,2,3,4,7,8-HxCDD	ND	pg/g	0.54	
1,2,3,6,7,8-HxCDD	ND	pg/g	1.9	
1,2,3,7,8,9-HxCDD	ND	pg/g	1.9	
HpCDDs (total)	80	pg/g	--	
1,2,3,4,6,7,8-HpCDD	49	pg/g	--	
OCDD	270	pg/g	--	

(continued on following page)

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi^(r)

The cover letter is an integral part of this report.
Rev 230787

POLYCHLORINATED DIOXINS/FURANS
ISOMER SPECIFIC ANALYSIS (CONT.)
HIGH RESOLUTION

Client Name: New York State DEC
Client ID: RB090 0604 915043-59
Lab ID: 053195-0008-SA Enseco ID: 152008
Matrix: SOIL Sampled: 06 JUN 90 Received: 08 JUN 90
Authorized: 11 JUN 90 Prepared: 21 JUN 90 Analyzed: 02 JUL 90

Sample Amount 10.0 G
Percent Moisture NA

	% Recovery
13C-2,3,7,8-TCDF	90
13C-2,3,7,8-TCDD	87
13C-1,2,3,7,8-PeCDD	89
13C-1,2,3,6,7,8-HxCDD	98
13C-1,2,3,4,6,7,8-HpCDD	97
13C-OCDD	91

ND = Not detected
NA = Not applicable

Reported By: Martha Maier

Approved By: Mike Filigenzi

The cover letter is an integral part of this report.
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GWS--60
MW-125

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:GWS#60

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-158-01

MATRIX:WATER

SUBMISSION DATE:6/11/90

ARCHIVE NO.:*0B88A

ANALYSIS DATE:6/11/90

DATA FILE NO.:9000B88A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

95--MW

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:GWS#61

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-158-02

MATRIX:WATER

SUBMISSION DATE:6/11/90

ARCHIVE NO.:*0B89A

ANALYSIS DATE:6/11/90

DATA FILE NO.:9000B89A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB
ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

GUS--62
MM-30

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME:PFOHL BROTHERS

FIELD ID:GWS#62

PERCENT SOLIDS: 0.0

SAMPLE NUMBER:990-159-04

MATRIX:WATER

SUBMISSION DATE:6/11/90

ARCHIVE NO.:*0B91A

ANALYSIS DATE:6/11/90

DATA FILE NO.:9000B91A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	ND = LESS THAN 5 PPB
Total Chlorotoluene	ND	ALL CONCENTRATIONS LESS THAN
Total Dichlorobenzene	ND	5 PPB ARE ESTIMATES

645-63
MM-38



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

MOBILE LABORATORY VOLATILE ANALYSIS

SITE NAME: PFOHL BROTHERS

FIELD ID: GWS#63

PERCENT SOLIDS: 0.0

SAMPLE NUMBER: 990-159-05

MATRIX: WATER

SUBMISSION DATE: 6/11/90

ARCHIVE NO.: *0B92A

ANALYSIS DATE: 6/11/90

DATA FILE NO.: 9000B92A.D

COMPOUND	CONC (PPB)	NON TARGET COMPOUNDS:
Chloromethane	ND	
Bromomethane	ND	
Vinyl chloride	ND	
Chloroethane	ND	
Methylene chloride	ND	
Acetone	ND	
Carbon disulfide	ND	
1,1-Dichloroethene	ND	
1,1-Dichloroethane	ND	
trans-1,2-Dichloroethene	ND	
Chloroform	ND	
1,2-Dichloroethane	ND	
2-Butanone	ND	
1,1,1-Trichloroethane	ND	
Carbontetrachloride	ND	
Vinyl acetate	ND	
Bromodichloromethane	ND	
1,1,2,2-Tetrachloroethane	ND	
1,2-Dichloropropane	ND	
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	
Dibromochloromethane	ND	
1,1,2-Trichloroethane	ND	
Benzene	ND	
cis-1,3-Dichloropropene	ND	
2-Chloroethylvinylether	ND	
Bromoform	ND	
2-Hexanone	ND	
4-Methyl-2-pentanone	ND	
Tetrachloroethene	ND	
Toluene	ND	
Chlorobenzene	ND	
Ethylbenzene	ND	
Styrene	ND	
Total Xylenes	ND	
Total Chlorotoluene	ND	
Total Dichlorobenzene	ND	

ND = LESS THAN 5 PPB

ALL CONCENTRATIONS LESS THAN
5 PPB ARE ESTIMATES

SSS--37
Mare Lake Path

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
MOBILE LABORATORY PCB ANALYSIS

SITE NAME: PFOHL BROTHERS

SITE CODE: 915043

SAMPLE NUMBER: 990-156-01

FIELD ID: SSS #37

DATE RECEIVED: 6/7/90

ANALYSIS DATE: 9/5/90

ARCHIVE NUMBER: P15601

MATRIX: SOIL

% SOLID: 88

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**** AROCLOR - 1016 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1221 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1232 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1242 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1248 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1254 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

**** AROCLOR - 1260 ****

GAS CHROMATOGRAPH RESULTS: ND DETECTION LIMIT 50 PPB

MASS SPECTROMETER RESULTS: ND

N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
BUREAU OF HAZARDOUS SITE CONTROL

H.S.L. METALS REPORT

SAMPLE NUMBER: 990-156-01
SITE NAME: PFDHL BROTHERS
DATE COLLECTED: 6/5/90
DATE ANALYZED: 6/13/90
DATE REPORTED: 8/3/90
FIELD ID: SSS #37

ARCHIVE NO.: M1073
SITE CODE: 915-043

MATRIX: SOIL
CONC. UNITS: MG/KG
% SOLIDS: 87.5

METAL	CONC	DETECTION LIMITS FOR WATER (ug/L)
ALUMINIUM	NR	200
ANTIMONY	NR	60
ARSENIC	8.4	100
BARIUM	103	200
BERYLLIUM	NR	5
CADMIUM	0.57U	5
CALCIUM	NR	5000
CHROMIUM	7.8	10
COBALT	NR	50
COPPER	7.2	25
IRON	NR	100
LEAD	11.4	5
MAGNESIUM	NR	5000
MANGANESE	124	15
MERCURY	0.2	0.2
NICKEL	NR	40
POTASSIUM	NR	5000
SELENIUM	NR	5
SILVER	1.14U	10
SODIUM	NR	5000
THALLIUM	NR	10
TIN	NR	40
VANADIUM	NR	50
ZINC	58.8	20

CONCENTRATION UNITS ARE: WATER (ug/L), SOIL/SEDIMENT (MG/KG)

NR = NOT REQUESTED

COMMENTS: