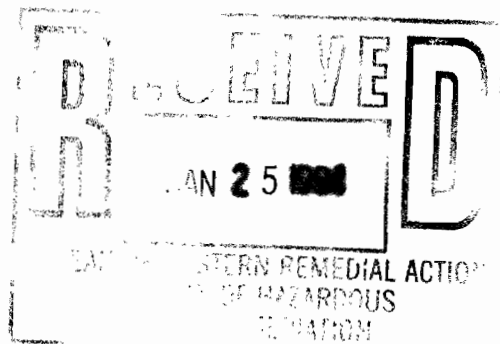




**PHASE I REMEDIAL INVESTIGATION REPORT
DEARCOP FARM SITE
GATES, NEW YORK
SITE NUMBER 8-28-016**

**Volume II
Appendices A - J**

January 1994

Prepared for:

**NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, New York 12205**



ecology and environment engineering, p.c.

BUFFALO CORPORATE CENTER 368 Pleasantview Drive, Lancaster, New York 14086
Tel: 716/684-8060, Fax: 716/684-0844

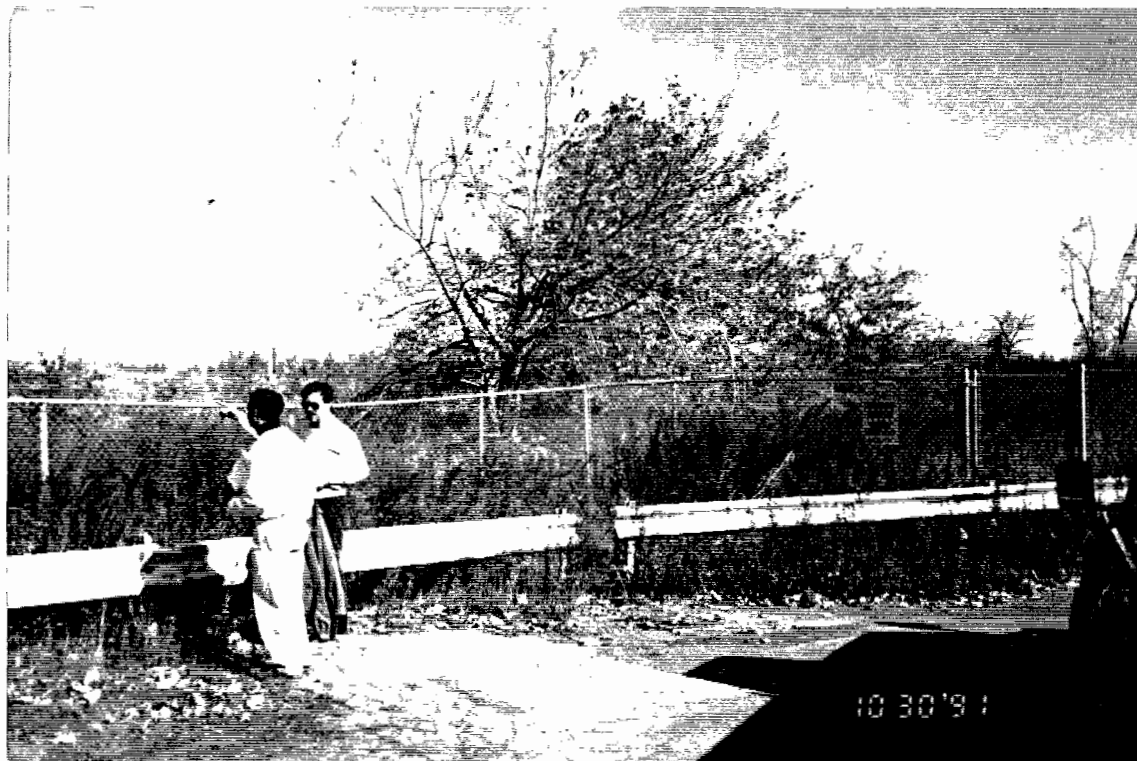
recycled paper

APPENDIX A

PHOTO LOGS

ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 1057 Frame No.: 4
	Comments*: View to northeast of north end of Dearcop
	Drive. Note: Entrance to site is on the right.
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 1057 Frame No.: 5
	Comments*: View to east from north end of Dearcop Drive
	of Monroe County Pure Waters Pumping Station.
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1057 Frame No.: 6

Comments*: View to south of Dearcop Drive from north
end of Dearcop Drive.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1053 Frame No.: 7

Comments*: View to east of existing well DR-2, east of
the Monroe County Pure Water Pumping Station.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 1041 Frame No.: 8
	Comments*: View of existing well DR-3, on I-490 highway median.
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1025 Frame No.: 9

Comments*: Surface water drain outfall on northside of I-490 westbound.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1019 Frame No.: 10

Comments*: View to northwest of construction on I-490
from highway median.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 1019 Frame No.: 11
	Comments*: View to southwest of construction on I-490
	from highway median.
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1019 Frame No.: 12

Comments*: View to south of construction on I-490 from
highway median.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 1010 Frame No.: 13
	Comments*: View of existing well DR-1 on west side of bike path.
*Comments to include location.	

ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1008 Frame No.: 14

Comments*: View to northwest from bike path.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1008 Frame No.: 15

Comments*: View to north along bike path. Note: I-490
in background.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1008 Frame No.: 16

Comments*: View to south along bike path.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1005 Frame No.: 17

Comments*: View to west from west side of canal spoils.

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 1000 Frame No.: 18

Comments*: View to north from the site of the canal spoils.



*Comments to include location.

ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 0957 Frame No.: 19
	Comments*: View to south of seasonally ponded area, east
	of the north end of Varian Lane. Note: presently dry.
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB-5000

Site: Dearcop Farm

Film Roll No.: 1

Camera: Fuji Discovery 400 Teleplus

SN 60302638

Lens Type 35 mm

SN 60302638

Photographer: G. Florentino Date: 10-30-91

Time: 0956 Frame No.: 20

Comments*: View to west of site from seasonally ponded area.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 0955 Frame No.: 21
	Comments*: View to south from the north end of Varian Lane.
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 0953 Frame No.: 22
	Comments*: View to north of the entrance to the site from
	Varian Lane.
*Comments to include location.	



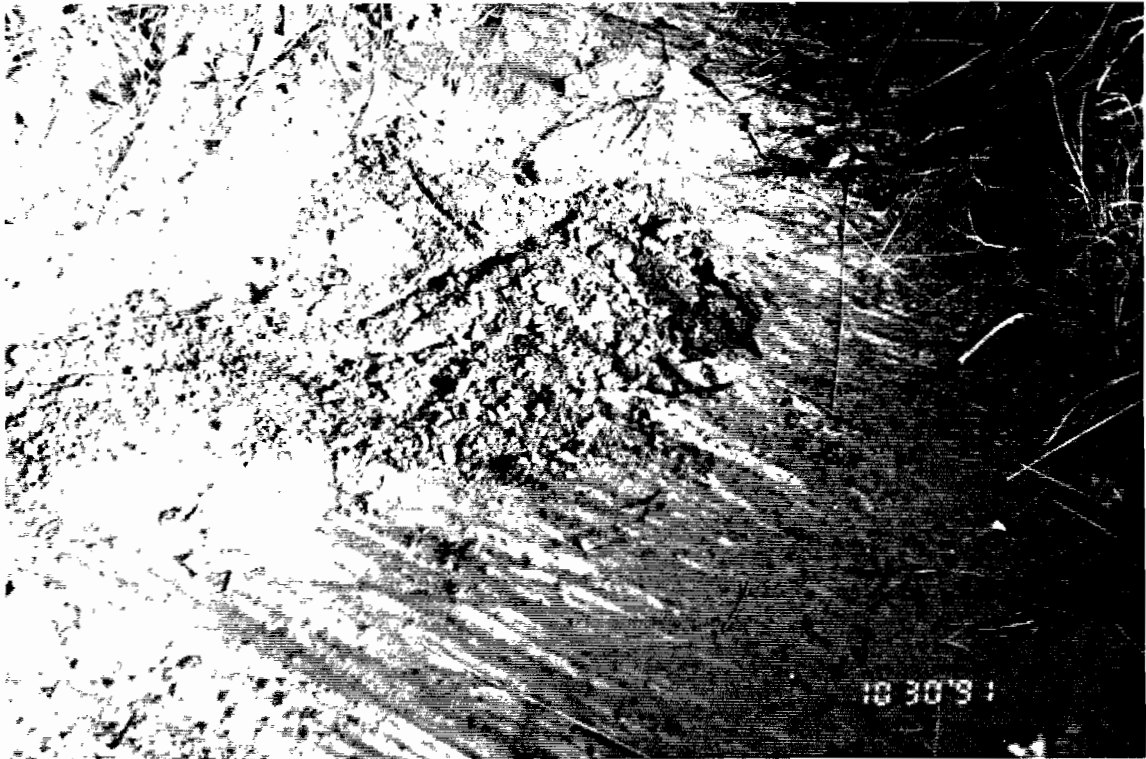
ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 0953 Frame No.: 23
	Comments*: View to north of the site from the entrance on
	Varian Lane.
*Comments to include location.	



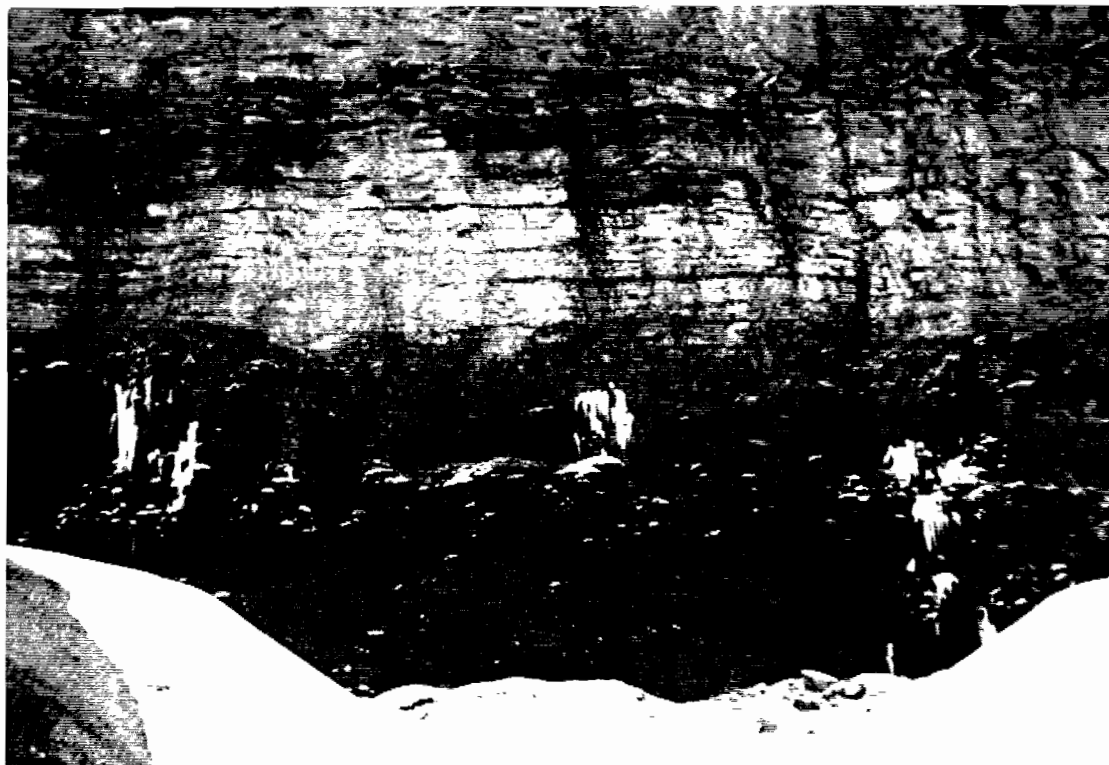
ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB-5000
Site: Dearcop Farm	Film Roll No.: 1
Camera: Fuji Discovery 400 Teleplus	SN 60302638
Lens Type 35 mm	SN 60302638
	Photographer: G. Florentino Date: 10-30-91
	Time: 0940 Frame No.: 24
	Comments*: View of blue-stained soil in northwest portion of the site, south of I-490 right-of-way fence.
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 2
Camera: Kodak Disposable 35 mm	SN N/A
Lens Type N/A	SN N/A
	Photographer: G. Florentino Date: 12-8-92
	Time: 1335 Frame No.: 0
	Comments*: View to north of north wall of Dolomite
	Products Co. Quarry. Gradational contact between the Lockport
	Dolomite (top) and Rochester Shale (bottom). Contact begins at
	water-bearing zone depicted by moss growth and icicles on
	quarry wall.
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 2

Camera: Kodak Disposable 35 mm

SN N/A

Lens Type N/A

SN N/A

Photographer: G. Florentino Date: 12-8-92

Time: 1335 Frame No.: 1

Comments*: View to north of north wall of Dolomite

Products Co. Quarry. Note massive dolomite beds near top and bottom of Lockport Dolomite. Gradational contact between Lockport Dolomite and Rochester Shale beneath second massive unit and characterized by the water-bearing zone (icicles on quarry wall) at a depth of 90 feet below top of rock.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC-Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 2

Camera: Kodak Disposable 35 mm

SN N/A

Lens Type N/A

SN N/A

Photographer: G. Florentino Date: 12-8-92

Time: 1335 Frame No.: 3

Comments*: View of upper portion of north wall of the dolomite quarry. Note two massive units separated by a more thinly bedded unit.

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 4

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1605 Frame No.: 00

Comments*: MW-5S

Box 2 of 2, 22.3' to 26.3' (foreground)

Box 1 of 2, 11.3' to 22.3' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 4

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1607 Frame No.: 0

Comments*: MW-4S

Box 2 of 2, 36.4' to 39.5' (foreground)

Box 1 of 2, 24.4' to 36.4' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 4

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

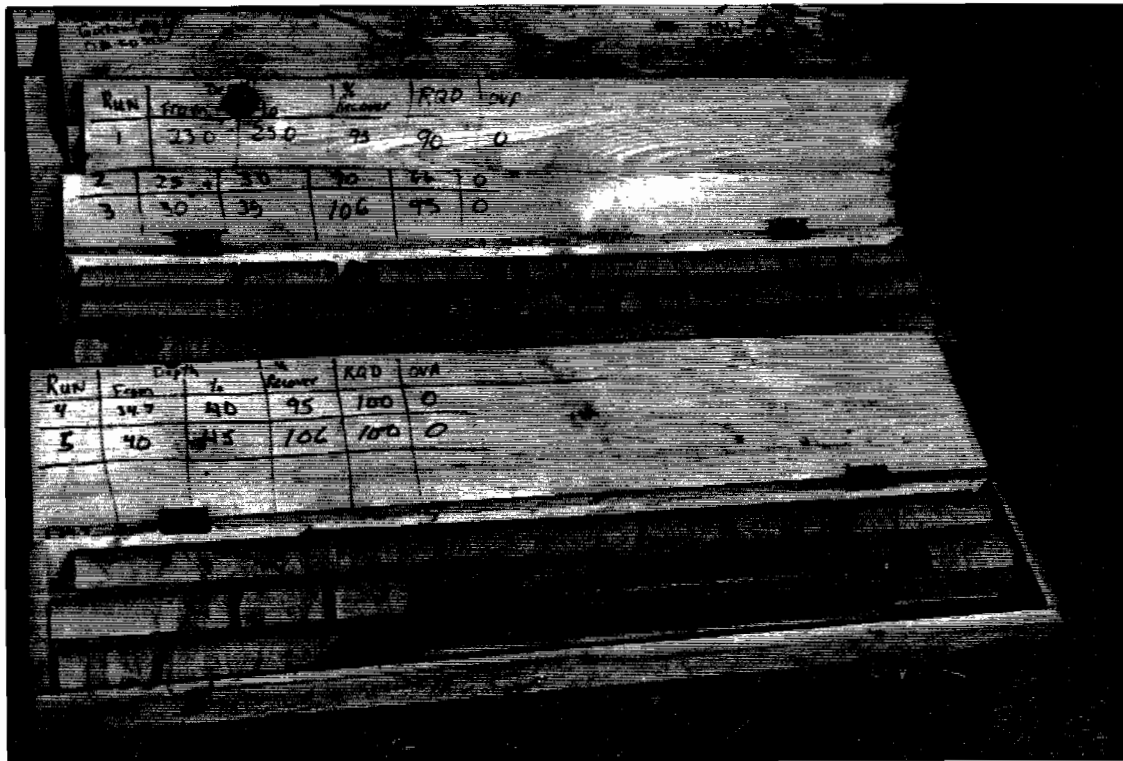
Time: 1609 Frame No.: 1

Comments*: MW-2D(N)

Box 2 of 4, 34.7' to 45.0' (foreground)

Box 1 of 4, 23.0' to 34.7' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 4

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

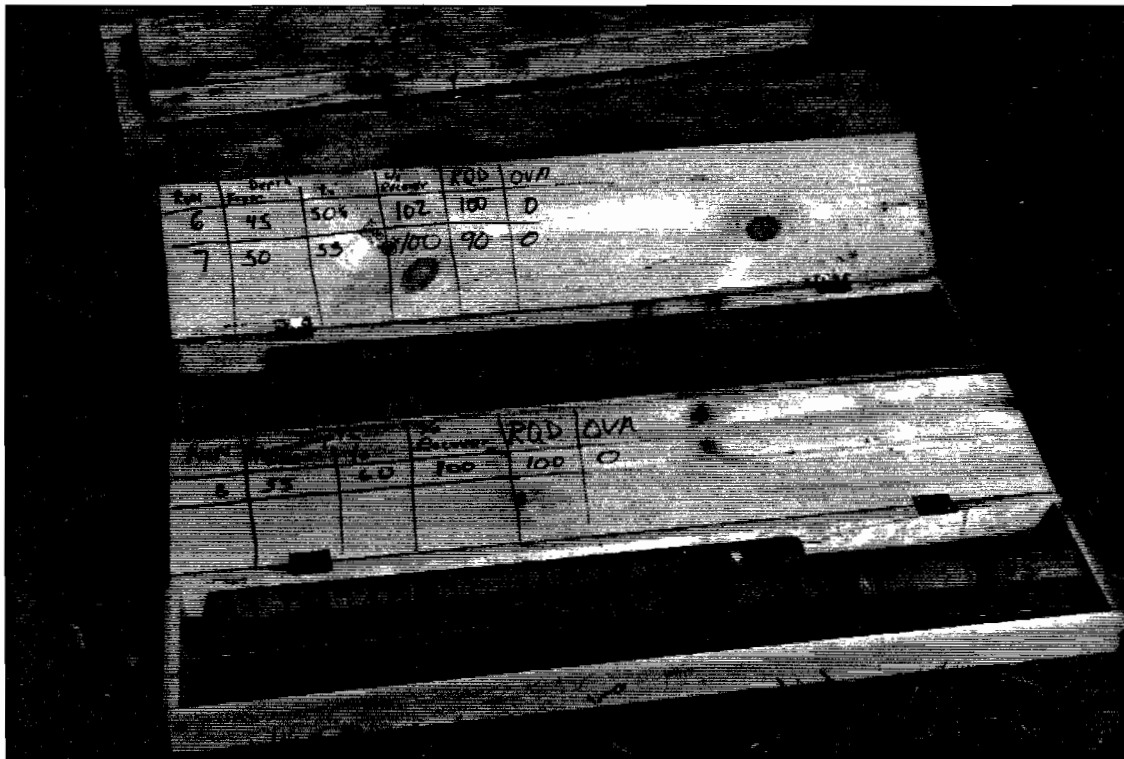
Time: 1613 Frame No.: 2

Comments*: MW-2D(N)

Box 4 of 4, 55.0' to 60.0' (foreground)

Box 3 of 4, 45.0' to 55.0' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 4
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1615 Frame No.: 3
	Comments*: MW-5D(N)
	Box 3 of 4, 35.1' to 45.4' (foreground)
	Box 4 of 4, 45.4' to 50.9' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 4

Camera: Make Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1616 Frame No.: 4

Comments*: MW-5D(N)

Box 1 of 4, 11.5' to 23.3' (foreground)

Box 2 of 4, 23.3' to 35.1' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 4
Camera: Make Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1617 Frame No.: 5
	Comments*: MW-3D(N)
	Box 3 of 4, 45.9' to 57.0' (foreground)
	Box 4 of 4, 57.0' to 62.3' (background)
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 4

Camera: Make Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1619 Frame No.: 6

Comments*: MW-3D(N)

Box 1 of 4, 23.5' to 35.0' (foreground)

Box 2 of 4, 35.0' to 45.9' (background)

*Comments to include location.



ecology and environment, inc. PHOTOGRAPHIC RECORD	
Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1306 Frame No.: 0
	Comments*: MW-1D
	Box 1 of 5, 13.7' to 25.5' (foreground)
	Box 2 of 5, 25.5' to 36.7' (background)
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

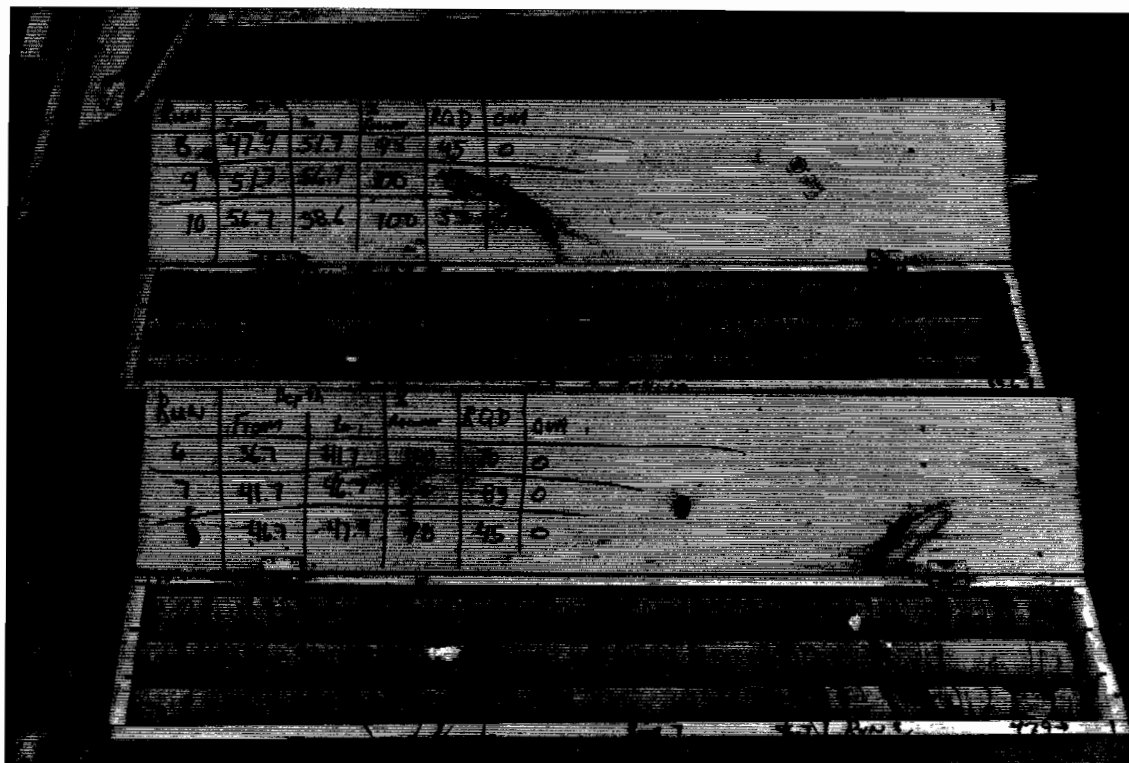
Time: 1308 Frame No.: 1

Comments*: MW-1D

Box 3 of 5, 36.7' to 47.9' (foreground)

Box 4 of 5, 47.9' to 58.6' (background)

*Comments to include location.



ecology and environment, inc. PHOTOGRAPHIC RECORD	
Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1310 Frame No.: 2
	Comments*: MW-1D
	Box 5 of 5, 58.6' to 67.1'
*Comments to include location.	

ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

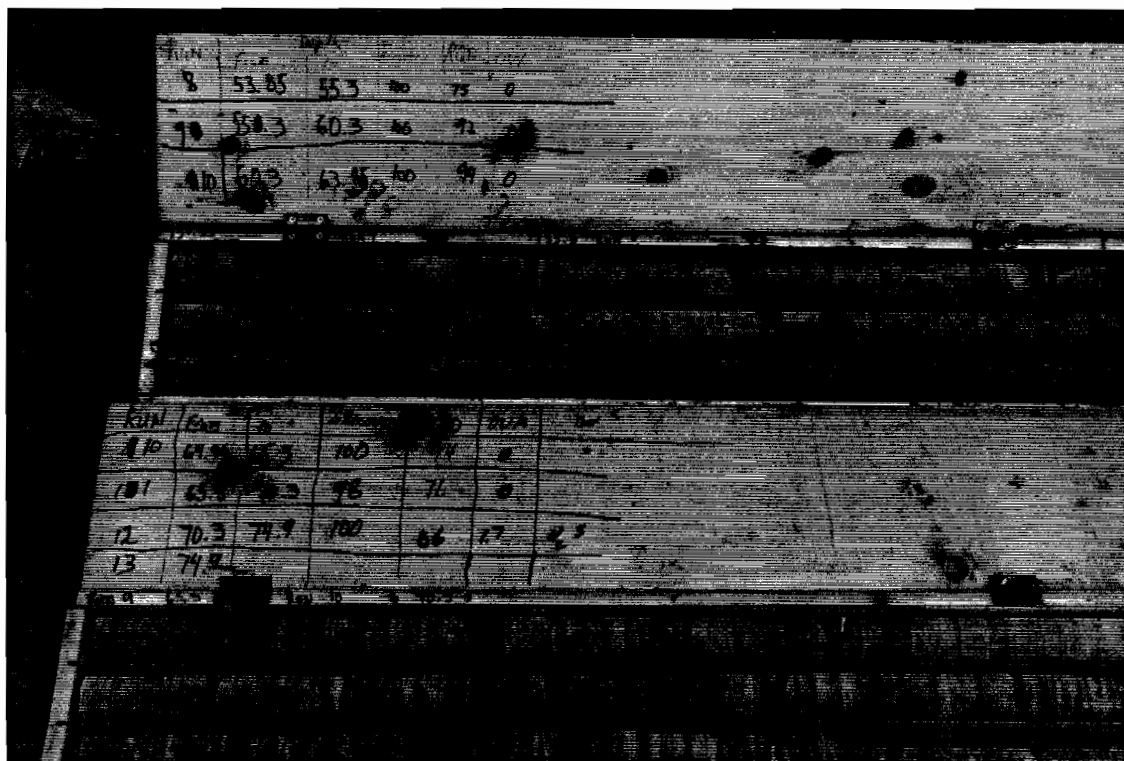
Time: 1312 Frame No.: 3

Comments*: MW-2D

Box 5 of 5, 64.85' to 74.9' (foreground)

Box 4 of 5, 53.8' to 63.8' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1314 Frame No.: 4

Comments*: MW-2D

Box 2 of 5, 32.0' to 42.7' (foreground)

Box 3 of 5, 42.7' to 53.8' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1316 Frame No.: 5

Comments*: MW-2D

Box 1 of 5, 8.8' to 32.0'

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1320 Frame No.: 6

Comments*: MW-3D

Box 1 of 6, 23.5' to 34.8' (foreground)

Box 2 of 6, 34.8' to 46.2' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No. 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

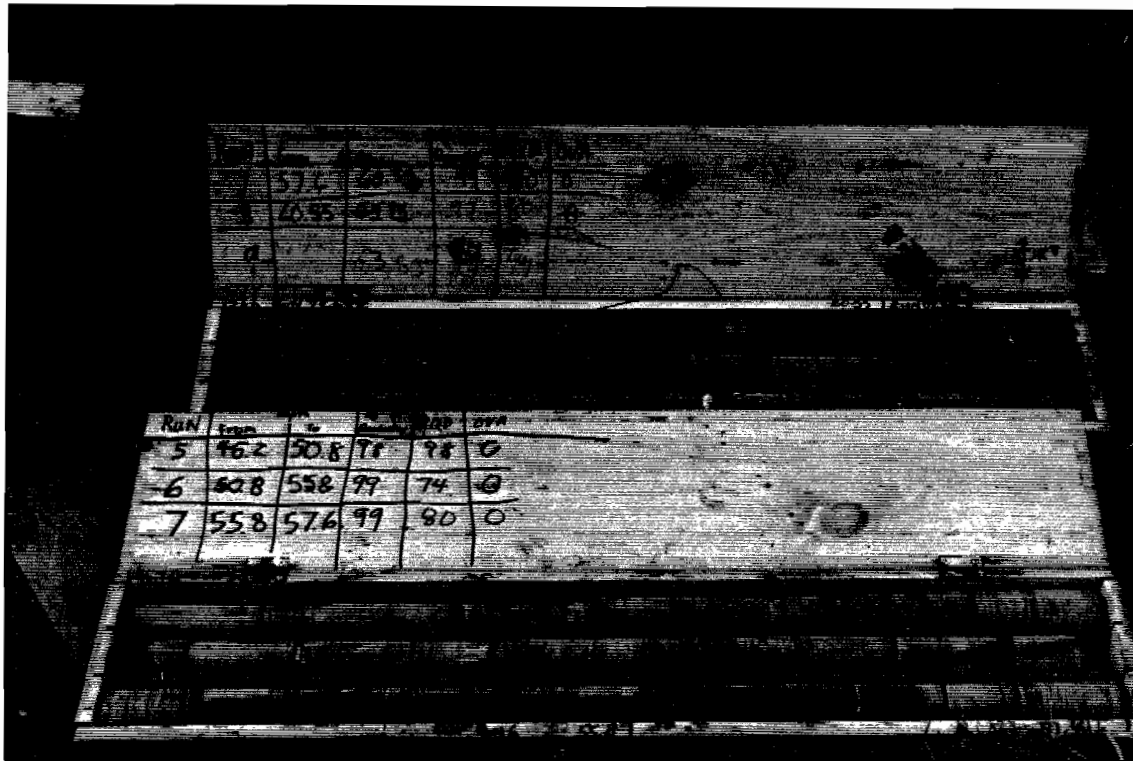
Time: 1322 Frame No.: 7

Comments*: MW-3D

Box 3 of 6, 46.2' to 57.6' (foreground)

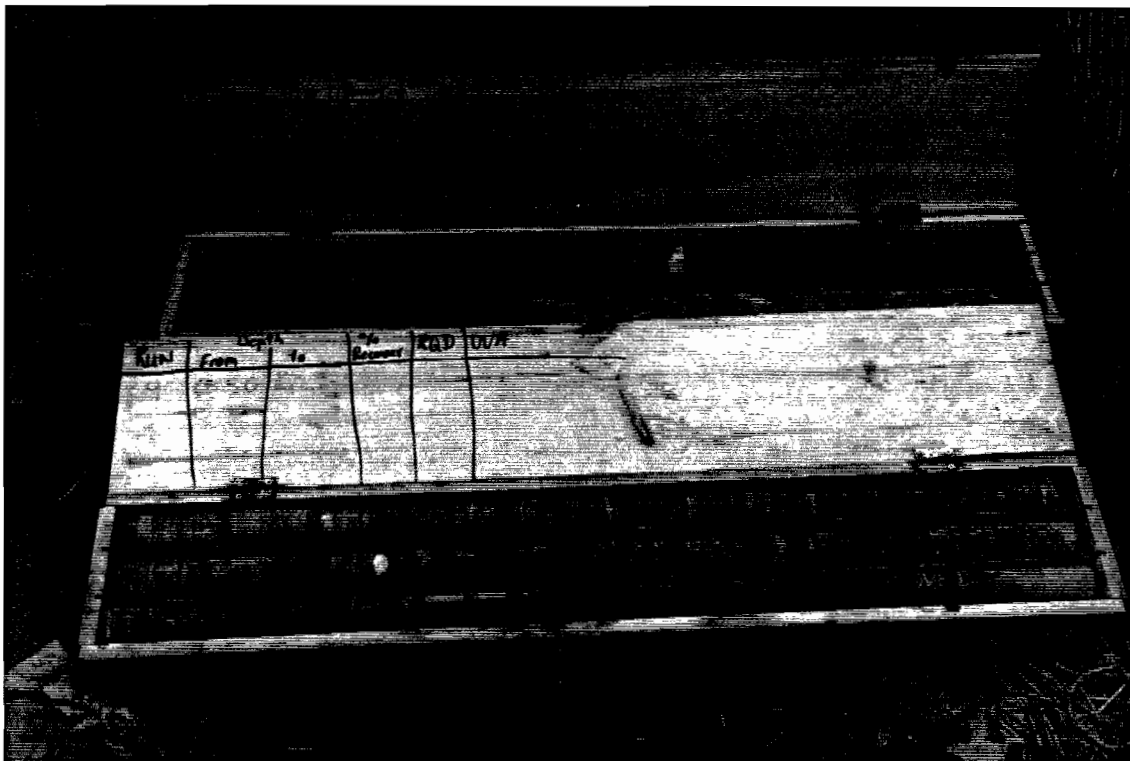
Box 4 of 6, 57.6' to 63.5' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client:	NYSDEC - Albany	E & E Job No.:	OB5000
Site:	Dearcop Farm	Film Roll No.:	3
Camera:	Minolta XG-1	SN	7042661
Lens Type	50 mm	SN	2792181
	Photographer:	G. Florentino	Date: 4-28-93
	Time:	1324	Frame No.: 8
	Comments*:	MW-3D	
	Box 5 of 6, 63.5' to 76.1' (foreground)		
	Box 6 of 6, 76.1' to 81.4' (background)		
*Comments to include location.			



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN **7042661**

Lens Type 50 mm

SN **2792181**

Photographer: G. Florentino Date: 4-28-93

Time: 1326 Frame No.: 9

Comments*: MW-4D

Box 1 of 7, 24.5' to 35.6' (foreground)

Box 2 of 7, 35.6' to 47.6' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1328 Frame No.: 10

Comments*: MW-4D

Box 3 of 7, 47.6' to 56.8' (foreground)

Box 4 of 7, 56.8' to 67.8' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1329 Frame No.: 11

Comments*: MW-4D

Box 5 of 7, 67.8' to 79.2' (foreground)

Box 6 of 7, 79.2' to 90.4' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1330 Frame No.: 12
	Comments*: MW-4D
	Box 7 of 7, 90.4' to 94.7'
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

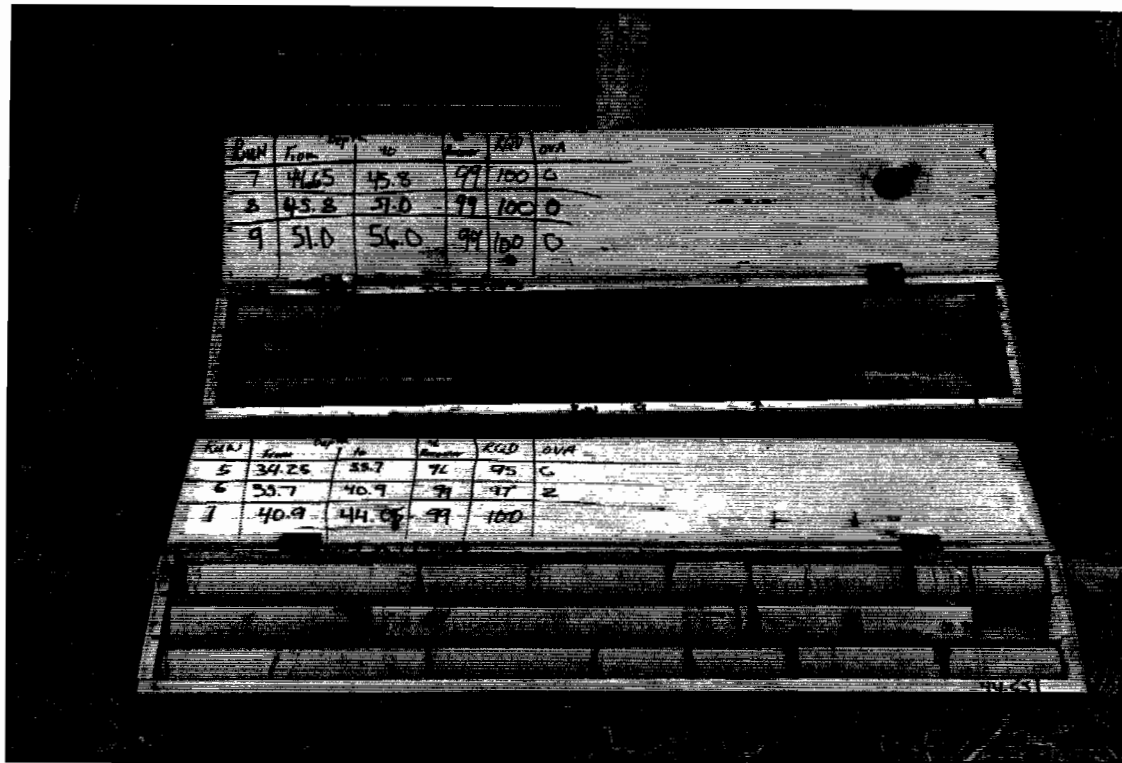
Time: 1520 Frame No.: 13

Comments*: MW-5D

Box 3 of 6, 34.2' to 44.6' (foreground)

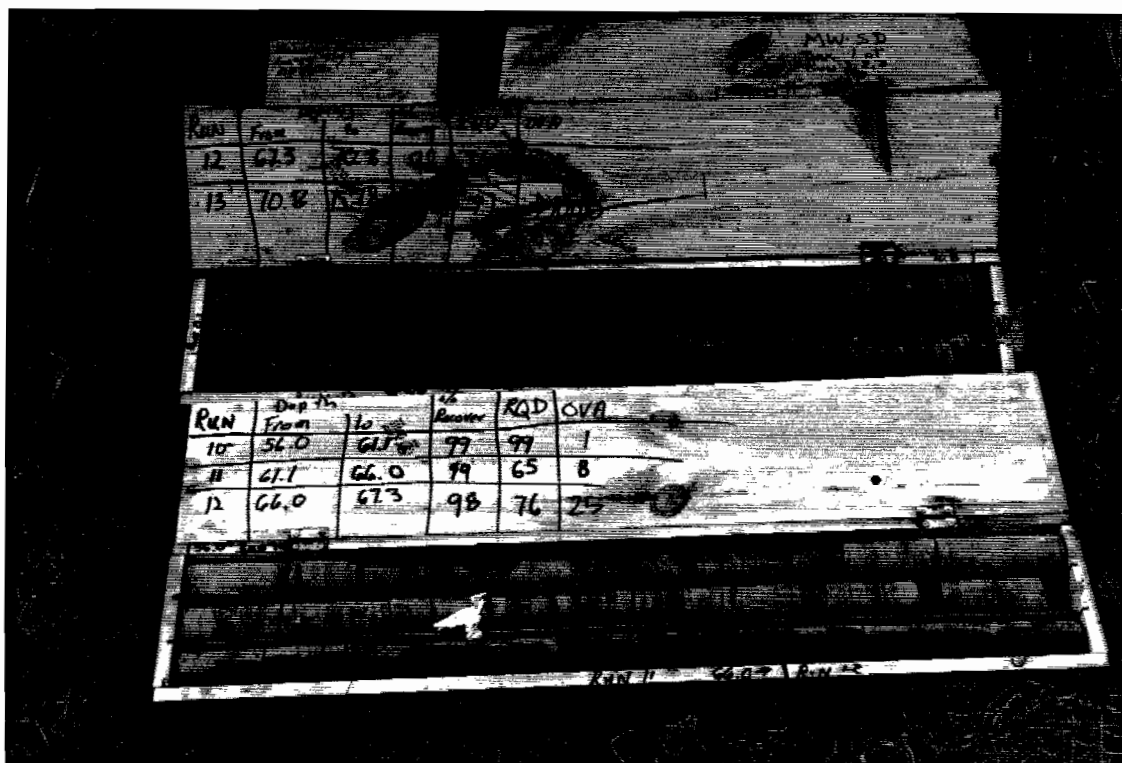
Box 4 of 6, 44.6' to 56.0' (background)

*Comments to include location.



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1522 Frame No.: 14
	Comments*: MW-5D
	Box 5 of 6, 56.0' to 67.3' (foreground)
	Box 6 of 6, 67.3' to 75.8' (background)
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1524 Frame No.: 15
	Comments*: MW-5D
	Box 1 of 6, 11.0' to 22.2' (foreground)
	Box 2 of 6, 22.2' to 34.2' (background)
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1526 Frame No.: 16
	Comments*: MW-5D
	Box 3 of 4, 50.0' to 60.0' (foreground)
	Box 4 of 4, 60.0' to 65.5' (background)
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1528 Frame No.: 17
	Comments*: MW-6D
	Box 1 of 4, 28.0' to 39.5' (foreground)
	Box 2 of 4, 39.5' to 50.0' (background)
*Comments to include location.	



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.:	OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN	7042661

Lens Type	50 mm

SN	2792181

Photographer:	G. Florentino	Date:	4-28-93

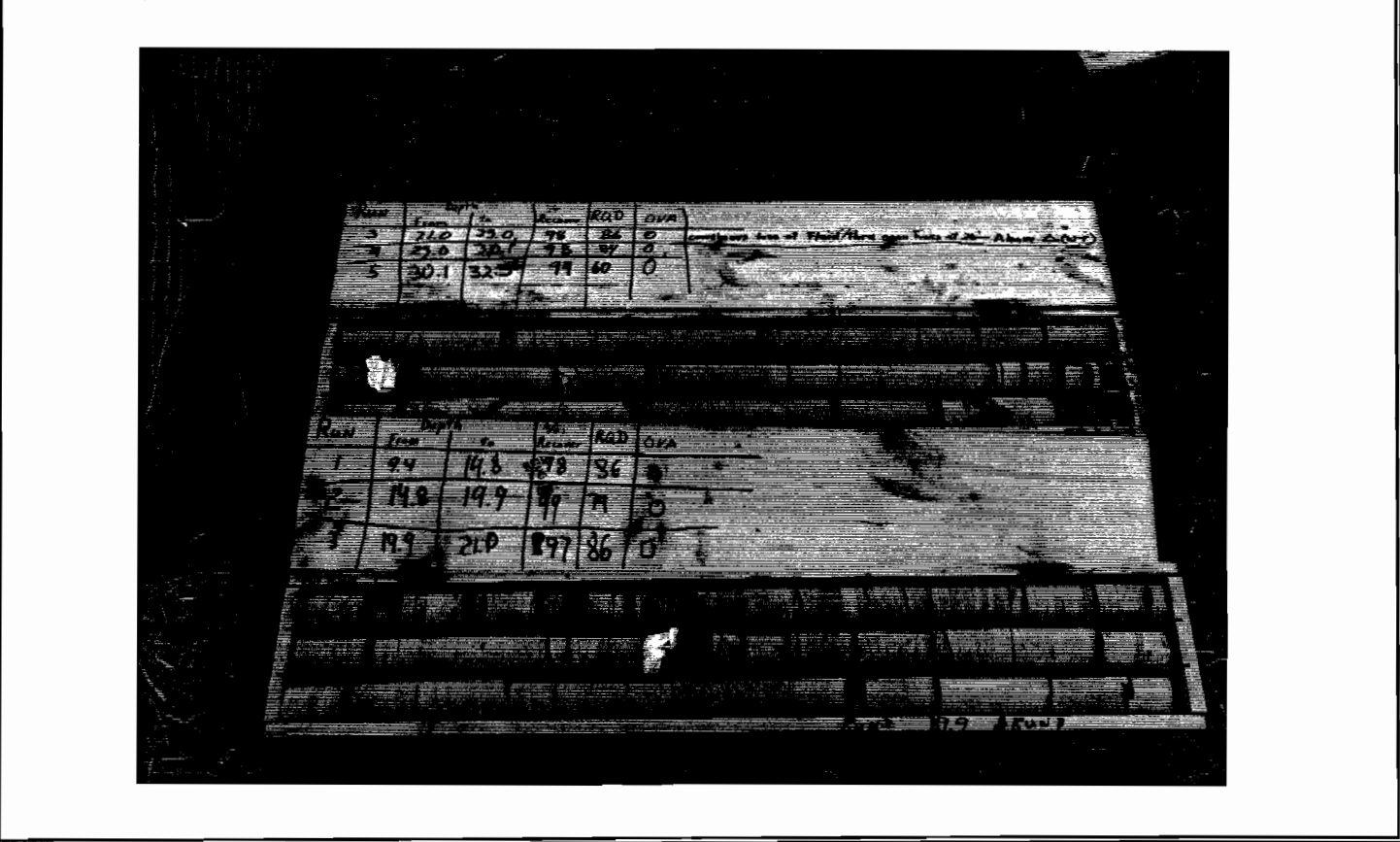
Time:	1530	Frame No.:	18

Comments*: MW-8D

Box 1 of 8, 9.4' to 21.0' (foreground)

Box 2 of 8, 21.0' to 32.5' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

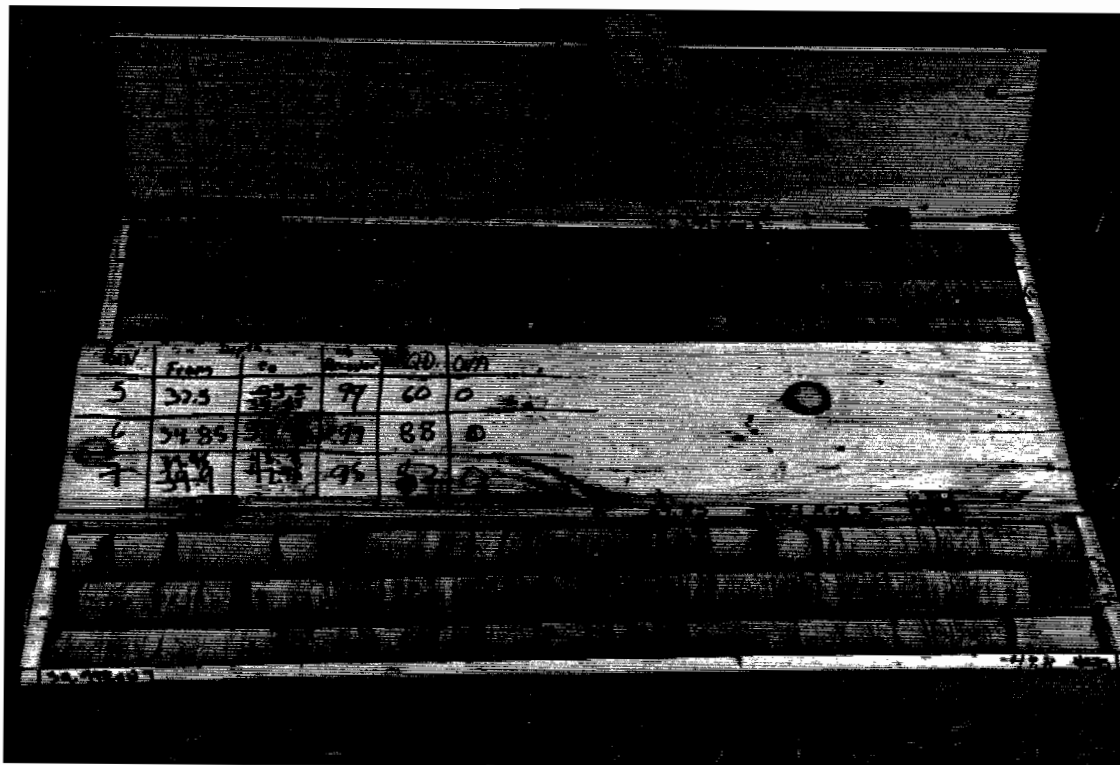
Time: 1534 Frame No.: 19

Comments*: MW-8D

Box 3 of 8, 32.5' to 43.8' (foreground)

Box 4 of 8, 43.8' to 54.9' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1536 Frame No.: 20

Comments*: MW-8D

Box 6 of 8, 66.5' to 77.9' (foreground)

Box 5 of 8, 54.9' to 66.5' (background)

*Comments to include location.

Run	From	To	% Recover	RQD	DVA
7	54.9	66.5	97	64	7
10	66.5	77.9	97	76	1
11	77.9	89.5	99	81	0

Run	From	To	% Recover	RQD	DVA
12	66.5	77.7	97	64	7
13	77.7	86.7	99	52	1
14	86.7	97.9	98	95	0

ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

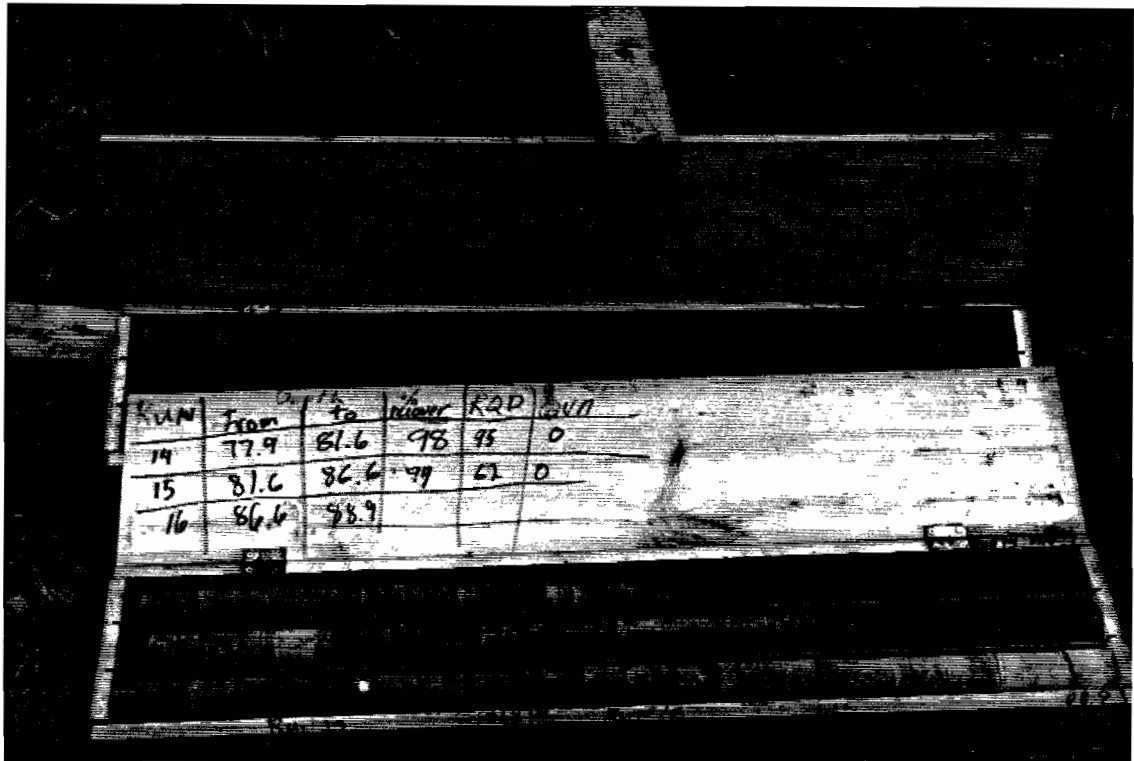
Time: 1538 Frame No.: 21

Comments*: MW-8D

Box 7 of 8, 77.9' to 88.9' (foreground)

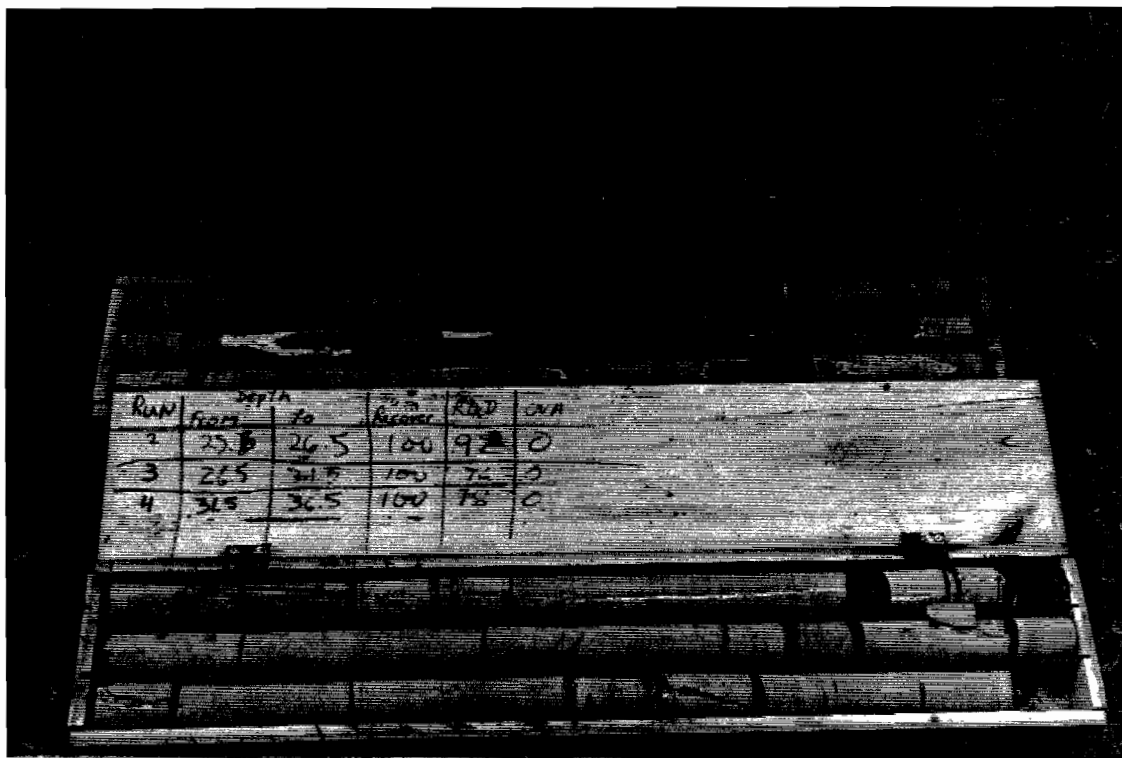
Box 8 of 8, 88.9' to 91.5' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1540 Frame No.: 22
	Comments*: MW-9D
	Box 2 of 8, 25.6' to 36.5' (foreground)
	Box 1 of 1, 14.3' to 25.6' (background)
*Comments to include location.	



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PHOTOGRAPHIC RECORD

Client:	NYSDEC - Albany

E & E Job No.:	OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN	7042661

Lens Type	50 mm

SN	2792181

Photographer:	G. Florentino	Date:	4-28-93
Time:	1540	From:	New York

Time:	1542	Frame No.:	23
Comments*:	MW 4D		

Box 4 of 8. 47.9' to 58.9' (foreground)

Box 3 of 8, 36.5' to 47.9' (background)

[illegible]

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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

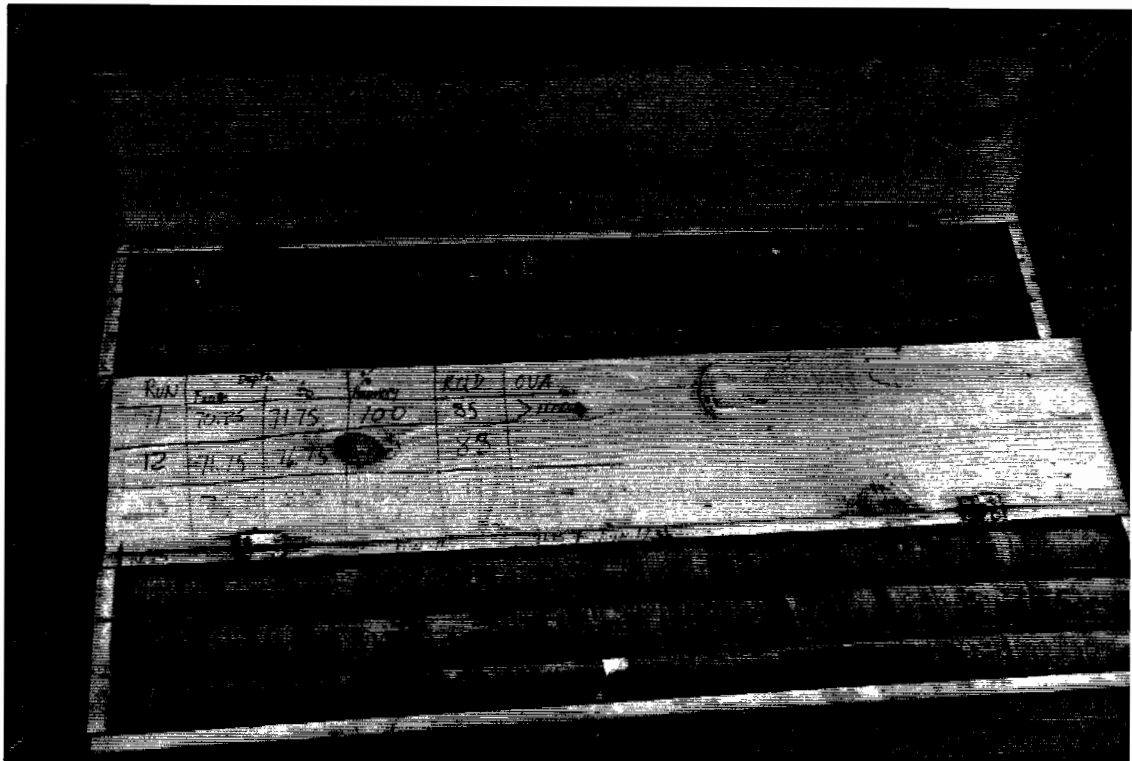
Time: 1545 Frame No.: 24

Comments*: MW-9D

Box 6 of 8, 70.3' to 81.3' (foreground)

Box 5 of 8, 58.9' to 70.3' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1547 Frame No.: 25

Comments*: MW-9D

Box 8 of 8, 92.1' to 97.3' (foreground)

Box 7 of 8, 81.3' to 92.1' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1549 Frame No.: 26

Comments*: MW-10D

Box 1 of 7, 19.0' to 30.2'

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1551 Frame No.: 27

Comments*: MW-10D

Box 2 of 7, 30.2' to 41.4' (foreground)

Box 3 of 7, 41.4' to 53.0' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

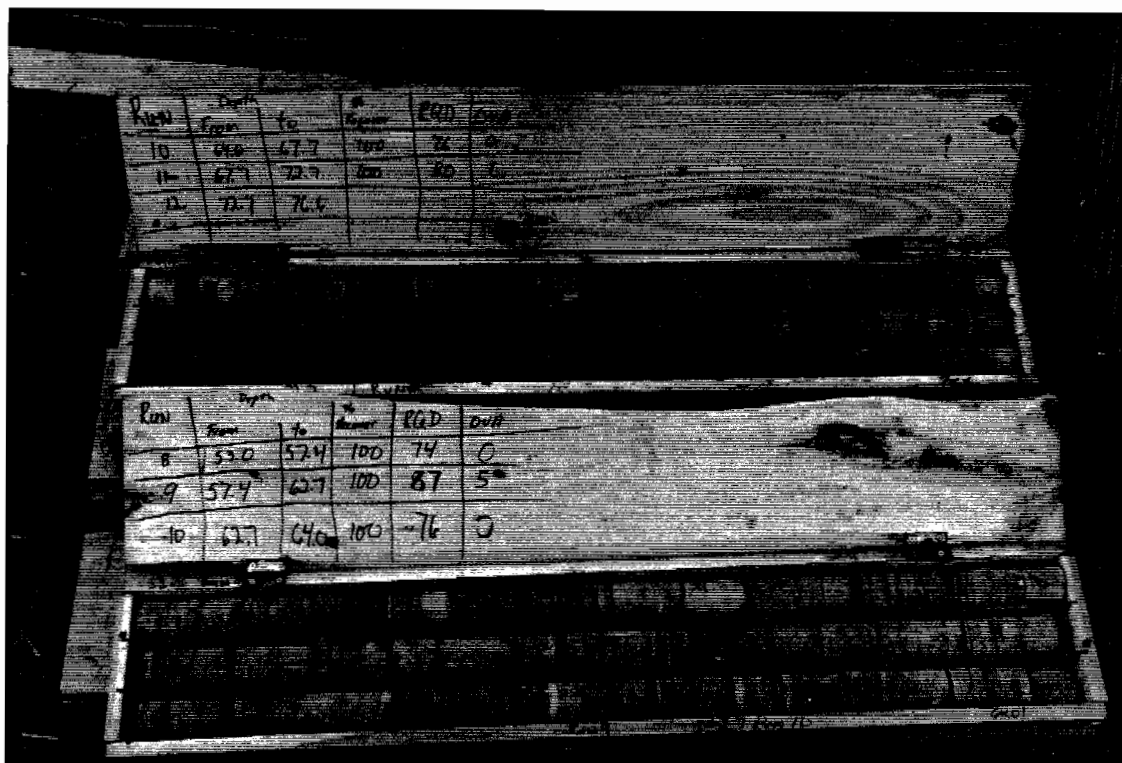
Time: 1553 Frame No.: 28

Comments*: MW-10D

Box 4 of 7, 53.0' to 64.0' (foreground)

Box 5 of 7, 64.0' to 76.6' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1555 Frame No.: 29

Comments*: MW-10D

Box 6 of 7, 76.6' to 87.7' (foreground)

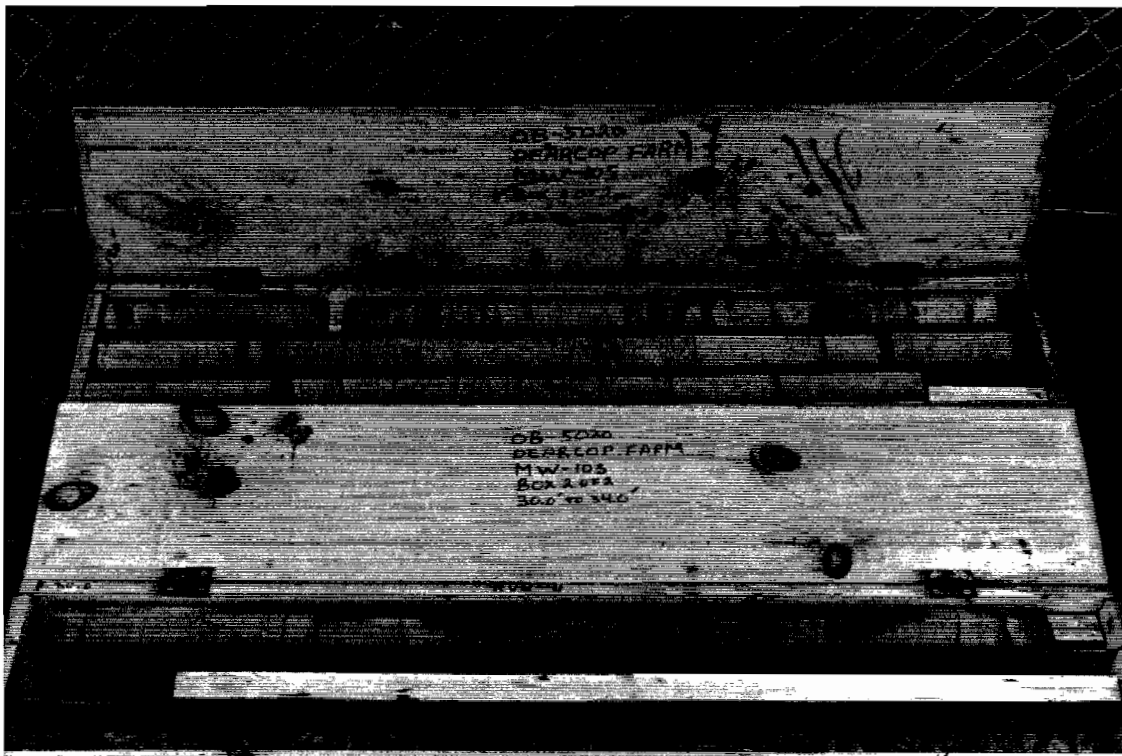
Box 7 of 7, 87.7' to 93.5' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1556 Frame No.: 30
	Comments*: MW-10S
	Box 2 of 2, 30.0' to 34.0' (foreground)
	Box 1 of 2, 19.0' to 30.0' (background)
*Comments to include location.	



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

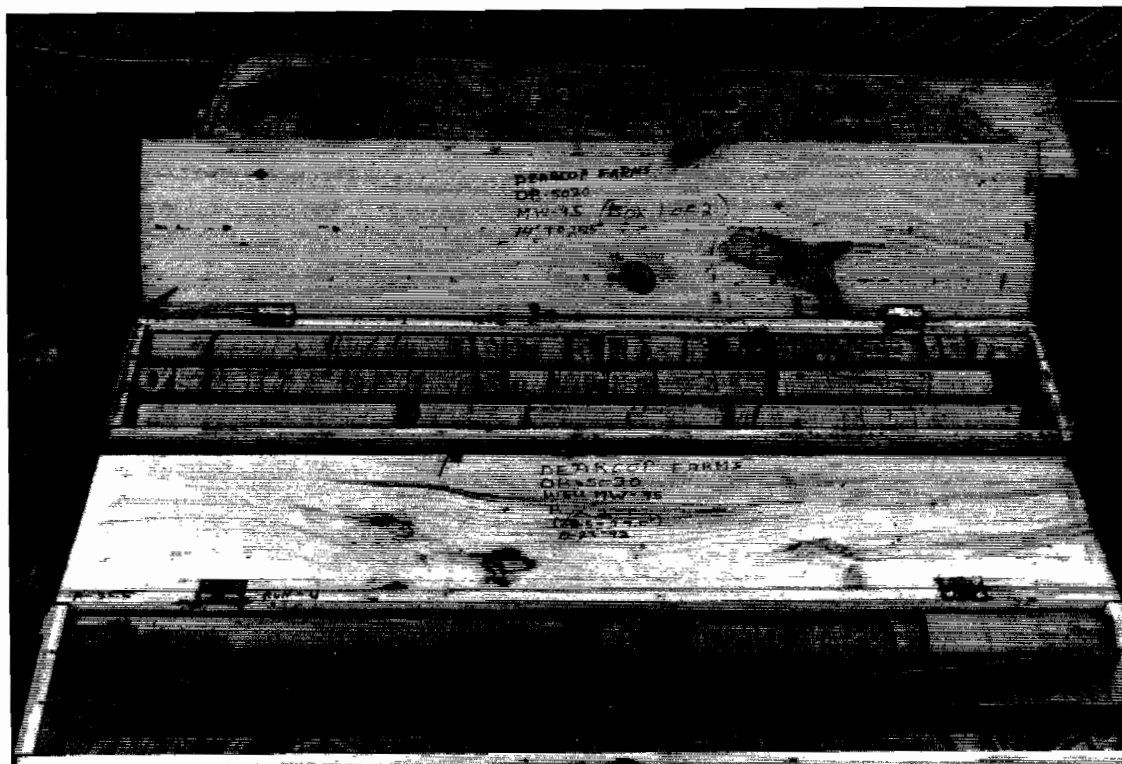
Time: 1558 Frame No.: 31

Comments*: MW-9S

Box 1 of 2, 25.5' to 29.0' (foreground)

Box 2 of 2, 14.0' to 25.5' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany

E & E Job No.: OB5000

Site: Dearcop Farm

Film Roll No.: 3

Camera: Minolta XG-1

SN 7042661

Lens Type 50 mm

SN 2792181

Photographer: G. Florentino Date: 4-28-93

Time: 1559 Frame No.: 32

Comments*: MW-8S

Box 1 of 3, 20.8' to 30.8' (foreground)

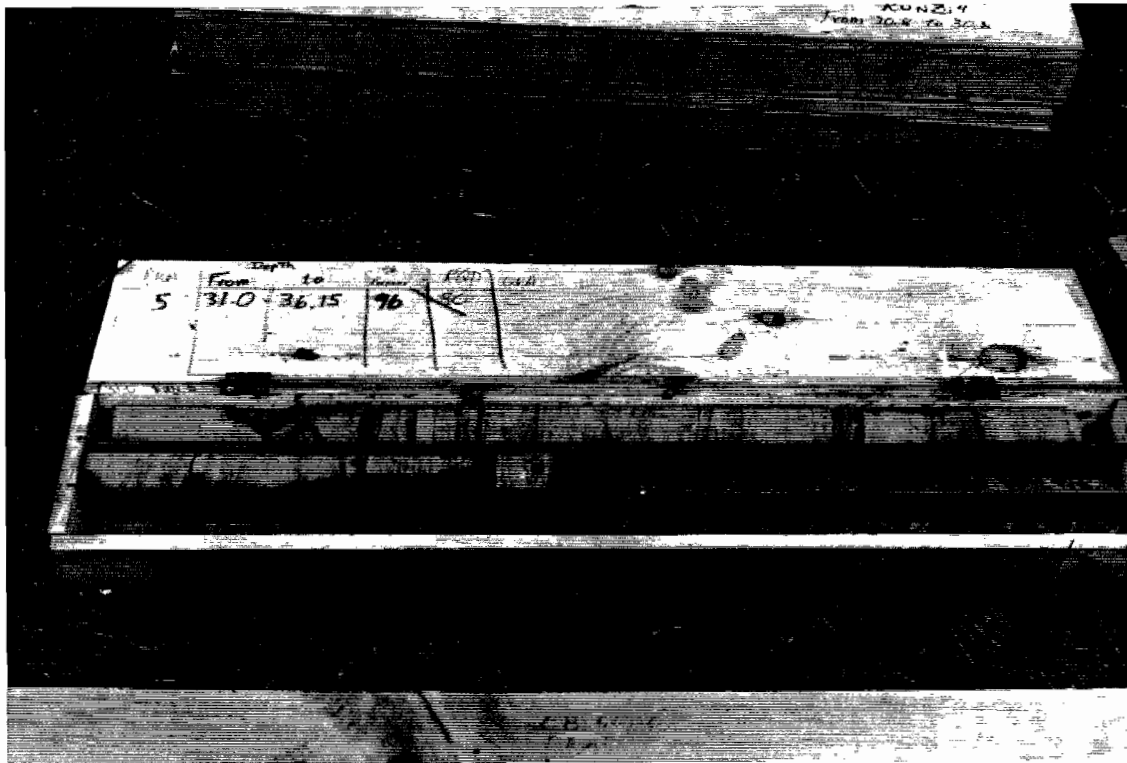
Box 2 of 3, 10.0' to 20.8' (background)

*Comments to include location.



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1500 Frame No.: 33
	Comments*: MW-8S
	Box 3 of 3, 30.8' to 36.2'
*Comments to include location.	



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PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1601 Frame No.: 34
	Comments*: MW-7S
	Box 2 of 3, 21.5' to 33.2' (foreground)
	Box 3 of 3, 33.2' to 41.0' (background)
*Comments to include location.	



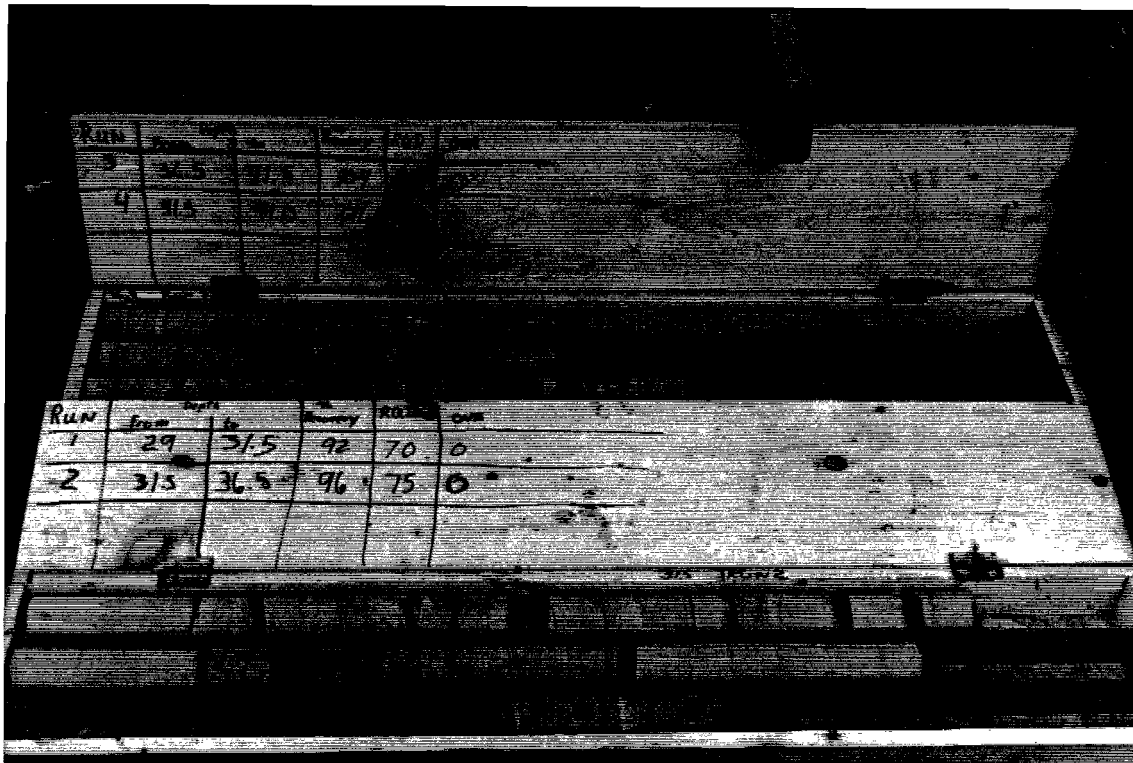
ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1602 Frame No.: 35
	Comments*: MW-7S
	Box 1 of 3, 11.0' to 21.5'
*Comments to include location.	



ecology and environment, inc.
PHOTOGRAPHIC RECORD

Client: NYSDEC - Albany	E & E Job No.: OB5000
Site: Dearcop Farm	Film Roll No.: 3
Camera: Minolta XG-1	SN 7042661
Lens Type 50 mm	SN 2792181
	Photographer: G. Florentino Date: 4-28-93
	Time: 1603 Frame No.: 36
	Comments*: MW-6S
	Box 1 of 2, 29.0' to 36.5'
	Box 2 of 2, 36.5' to 44.0'
*Comments to include location.	



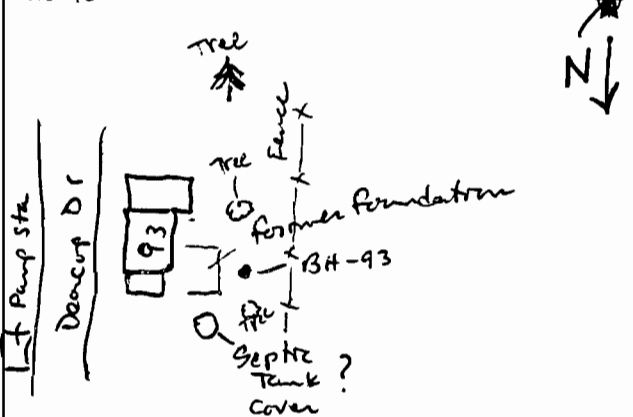
APPENDIX B

BORING LOGS

DRILLING LOG FOR BH-93Project Name Deancup Farm siteSite Location 93 DeancupBuckyardDate Started/Finished 1-4-93 / 1-4-93Drilling Company Panath WolffDriller's Name Bill RiceGeologist's Name G. FlorestanoGeologist's Signature G. FlorestanoRig Type (s) N/ADrilling Method (s) Tripod/weight drop (140 lb)Bit Size (s) N/A Auger Size (s) N/AAuger/Split Spoon Refusal 12 ftTotal Depth of Borehole Is 12 ftTotal Depth of Corehole Is N/A

Water Level (TOIC)

Date	Time	Level (Feet)

Well Location Sketch
Borehole

Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile N/A	Penetration Times N/A	Run Number N/A	Split Spoon Core Recovery (ft)'	RQD N/A	Fracture Sketch N/A	THM/OVA (ppm)	Comments
1	0-2	6 12					1.1			0	3" spoon Fill
2		13 16									sample for full TEL & asbestos
3	2-4	6 13					1.1			0	3" spoon
4		7 15									2-8' water in borehole
5	4-6	8 8					0.0			0	3" spoon wet spoon
6		8 9									
7	6-8	3 4					1.0			0	2" spoon wet spoon
8		6 5									Fill
9	8-10	8 24					1.1			0	2" spoon wet spoon
10		23 15									natural
11	10-11.5	36 48					1.1			0	2" spoon wet spoon
12	11.5	100 -									natural
13	11.5-12	150 -					0.2			0	2" spoon Refusal

Stick-up _____ ft

SCREENED WELL

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches
Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand _____
☐ Gravel _____
☐ Natural _____

Bottom of Screen at _____ ft

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets _____ *N/A*
 Cement _____
 Cement/Bentonite _____ *6.7 lbs*
 Grout _____
 Top of Sand Pack _____
 Screen Slot Size _____
 Screen Type _____
☐ PVC _____
☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole _____ ft
Diameter _____

Bedrock _____ ft

Bottom of Rock Socket/
Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	<i>Fill</i> Dark brown, fine sandy, silt top soil; ^{red} some brick fragments	☐	☒	☐
2	Concrete fragments, red sand stone fragment, black fragments	☐	☐	☐
3	<i>Fill</i> Tan brick fragments, red brick fragments, DK brown medium	☐	☒	☐
4	to fine sandy silt (collected sample for Full TCL + asbestos)	☐	☐	☐
5	<i>NA</i> NO recovery - brick fragments same as above - believed	☐	☐	☒
6	to be slop from above	☐	☐	☐
7	<i>cl/ml</i> Med to dk brown, mottled with orange + gray, gravelly - brick frags	☐	☐	☒
8	v. fine sandy, silty, clay, semi plastic	☐	☐	☐
9	<i>SM</i> med brown, fine to v. fine sand and silty, brittle, occasional	☐	☐	☒
10	rounded rock fragments - natural material	☐	☐	☐
11	<i>SM</i> same as previous interval	☐	☐	☒
12	TD. at 12 ft - refusal	☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐

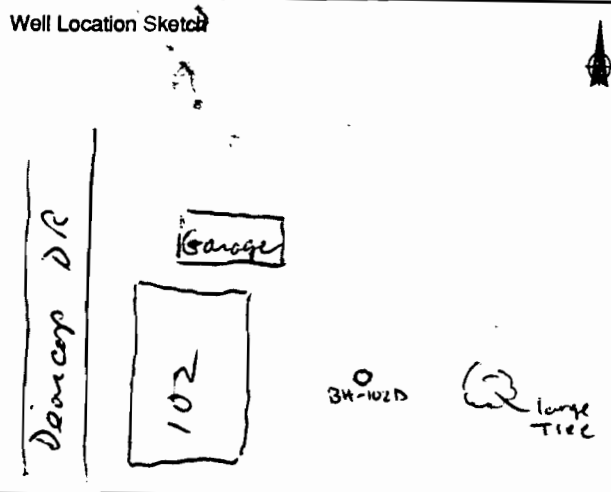


DRILLING LOG FOR 102 D

Project Name Dearcay Farm
 Site Location 102 Dearcay Backyard
 Date Started/Finished 1-5-93 / 1-5-93
 Drilling Company Parrott Wolff
 Driller's Name Bill Rice
 Geologist's Name Gene F. Wright
 Geologist's Signature G. F. Wright
 Rig Type (s) N/A
 Drilling Method (s) Tipped with weight drop (140 lb)
 Bit Size (s) N/A Auger Size (s) N/A
 Auger/Split Spoon Refusal 7.7
 Total Depth of Borehole Is 7.7
 Total Depth of Corehole Is N/A

Water Level (TOIC)		
Date	Time	Level (Feet)

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Split Spoon Recovery	RQD	Fracture Sketch	H ₂ O/OVA (ppm)	Comments
1	0-2	2 3 5 6		N/A	N/A	N/A	1.4	N/A	N/A	0	Water at 0.8 ft
2											3" spoon Natural
3	2-4	6 8 24 53					1.2			0	Collected sample for 3" spoon
4											
5	4-6	29 31 35 34					1.7			0	3" spoon Natural
6											
7	7-8 6-8	93 33 14 102					0.8			0	2" spoon TD at 7.7 ft
8											
9											
10											
11											
12											
13											
14											

Stick-up _____ ft

SCREENED WELL

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches

Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:

☐ Sand _____

☐ Gravel _____

☐ Natural _____

Bottom of Screen at _____ ft

Lock Number _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

GROUND SURFACE

Quantity of Material Used:

Bentonite Pellets _____

Cement _____

Cement/ Bentonite _____

Grout _____

Top of Sand Pack _____

Screen Slot Size _____

Screen Type _____

☐ PVC _____

☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	Light to medium brown top soil - medium to fine sand and silt	○	⊗	○
2	with some clay - brittle, <1% gravel natural soils	○	○	○
3	Light brown, orange mottled, med to fine sand, silt and clay,	○	○	⊗
4	SC Semi plastic, 1% gravel - rounded, <1mm	○	○	○
5	Light brown, gravelly (5-10%) up to 5 cm, subrounded, some	○	○	⊗
6	SP shale fragments, medium grained silty sand, brittle	○	○	○
7	SP Same as previous interval	○	○	○
8		○	○	○
9		○	○	○
10		○	○	○
11		○	○	○
12		○	○	○
13		○	○	○
14		○	○	○



DRILLING LOG FOR

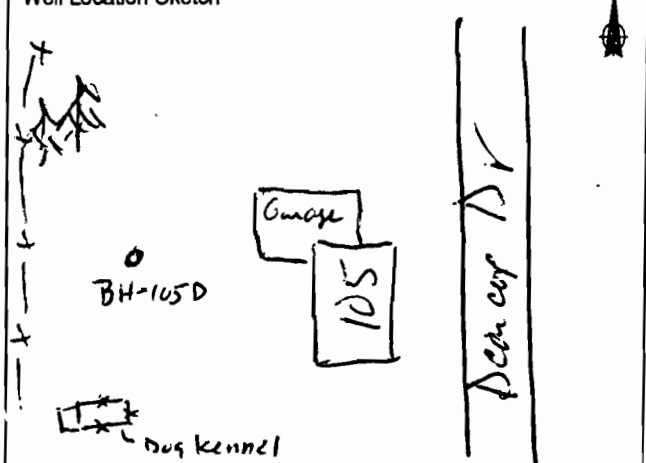
105D

Project Name Deerup Farm SiteSite Location 105 DeerupBackyardDate Started/Finished 1-5-93 / 1-5-93Drilling Company Panatt WolffDriller's Name Jim LansingGeologist's Name G. FlorentineGeologist's Signature G. FlorentineRig Type (s) N/ADrilling Method (s) Tr. rod + weight drop (140 lb)Bit Size (s) N/A Auger Size (s) N/AAuger/Split Spoon Refusal 9.8Total Depth of Borehole Is 9.8Total Depth of Corehole Is N/A

Water Level (TOIC)

Date	Time	Level (Feet)

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Split Spoon Recovery	RQD	Fracture Sketch	THM/OVA (ppm)	Comments
				N/A	N/A	N/A	(PT)	NA	N/A		
1	0-2	23 45					1.3			0	3" spoon water at 2-0' bgs
2		21 25									3" spoon
3	2-4	26 17					1.5			0	sample for Full TCL
4		25 56									
5	4-6	71 52					2.0			0	3" spoon
6		21 27									2" spoon
7	6-8	37 102					1.4			0	
8		9.8 56									2" spoon
9	8-10	101 100					1.0			NA	Refusal
10											
11											
12											
13											
14											

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole Diameter _____ inches

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand
☐ Gravel
☐ Natural

Bottom of Screen at _____ ft

SCREENED WELL

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____
 Top of Sand Pack _____
 Screen Slot Size _____
 Screen Type _____
☐ PVC
☐ Stainless Steel

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/ Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
5M	LT brown/red, med to fine silty sand, brittle	☐	☒	☐
	soft, light weight, 21% gravel - rounded up to 2cm	☐	☐	☐
5M/SC	Top 0.5' : DK Brown/Lt Brown mottled, v. fine sandy silt and clay, semi-	☐	☒	☐
	plastic/Bottom 1.0' : DK brn, v. fine sandy, clayey, silt, brittle to semi-plastic	☐	☐	☐
5M/SC	Lt brn/med Brn, orange mottled, fine to v. fine, clayey	☐	☒	☐
5M/SC	Silty, sand, brittle, med-soft, 10% gravel - round to subround - 2cm	☐	☐	☐
6M	med brn, gravelly (10% to subrounded up to 2cm), silty	☐	☒	☐
	fine to v. fine sand, brittle, med-soft	☐	☐	☐
9	Gray bedrock at top of screen, followed by ^{LT brn} v. fine silty sand,	☐	☐	☐
10	gravelly (10% rounded to subrounded up to 2cm), brittle,	☐	☐	☐
11	hard, followed by grayish-red v. fine silty	☐	☐	☐
12	sand - same as above.	☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐

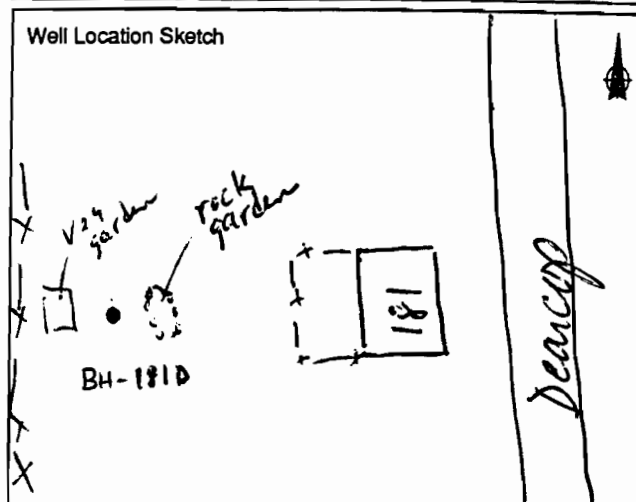
DRILLING LOG FOR 181D

Project Name Deancup Farm Site
Site Location 181 Varian
Back yard
Date Started/Finished 1-7-93 / 1-7-93
Drilling Company Parratt Wolff
Driller's Name J. Lansing
Geologist's Name G. Flanagan
Geologist's Signature G. Flanagan
Rig Type (s) N/A
Drilling Method (s) Tripod w/ 140 lb wt drop
Bit Size (s) N/A Auger Size (s) N/A
Auger/Split Spoon Refusal 8.7
Total Depth of Borehole Is 8.7
Total Depth of Corehole Is N/A

Water Level (TOIC)

Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler		Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Split Spoon Recovery (ft)	RQD	Fracture Sketch	HNO ₃ OVA (ppm)	Comments
		#1	#2									
1-2-3-14	0-2	1	2	Re-sample 3-3	N/A	N/A	N/A	1.5	N/A	N/A	0	2" spoon re-sampled due to refusal at 2.8'
23-24	2-4	34	48	14-16				0.6			0	2" spoon refusal at 3.7 ft
22-16		67	115	0.2' 13-17				2.0			0	re-sampled
16-17	4-6	15	22	156/0.2				9.6			0	2" spoon refusal at 4.2 ft
9-22	6-8	31	43					1.0			0	2" spoon
		55	65									
	8-8.7	59	100	0.2				0.4			0	Refusal at 8.7'
11												
12												
13												
14												

B-9

Stick-up _____ ft

SCREENED WELL

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches

Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____ ft

Top of Screen at _____ ft

Pack Type/Size:

☐ Sand _____

☐ Gravel _____

☐ Natural _____

Bottom of Screen at _____ ft

Lock Number _____

GROUND SURFACE

Quantity of Material Used:

Bentonite Pellets _____

Cement _____

Cement/Bentonite _____

Grout _____

Top of Sand Pack _____

Screen Slot Size _____

Screen Type _____

☐ PVC _____

☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	Topsoil 0-6' - DK brown, argill, silty, clayey, fine sand, soft, semiplastic, followed by lt brown, tan mottled, clayey, silty, gravelly (<5% subrounded, 4-6mm) med to fine sand, soft, semiplastic	☐	☒	☐
2	Refusal at 3' - tripod moved 2' north	☐	☐	☒
3	med brown, gravelly (<30% subrounded, up to 2cm) silty, v. fine sand, firm, brittle	☐	☐	☐
4	Refusal at 4.2 ft, moved another 3' NE	☐	☐	☒
5	med. brn, gravelly (<5% subrounded, up to 3cm) silty - fine sand, firm, brittle	☐	☐	☐
6	TOP 0.3' med brn/gry, v. hard, dense silty, brittle, followed by med brn gravelly (<10% subrounded, 4mm) silty fine sand, v. hard	☐	☒	☐
7		☐	☐	☐
8		☐	☐	☐
9	Refusal at 8.7' - same as previous interval	☐	☐	☐
10	Dolomite rx frags in end of spm.	☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐



DRILLING LOG FOR 205D

Project Name Deencop Farm Site

Site Location 205 Deencop Dr
Barley and

Date Started/Finished 1-5-93 / 1-5-93

Drilling Company Pennett Wolff

Driller's Name J. Lansing

Geologist's Name G. Florenzano

Geologist's Signature G. Florenzano

Rig Type (s) N/A

Drilling Method (s) Tripped + weight drop (40lb)

Bit Size (s) N/A Auger Size (s) N/A

Auger/Split Spoon Refusal 17.0'

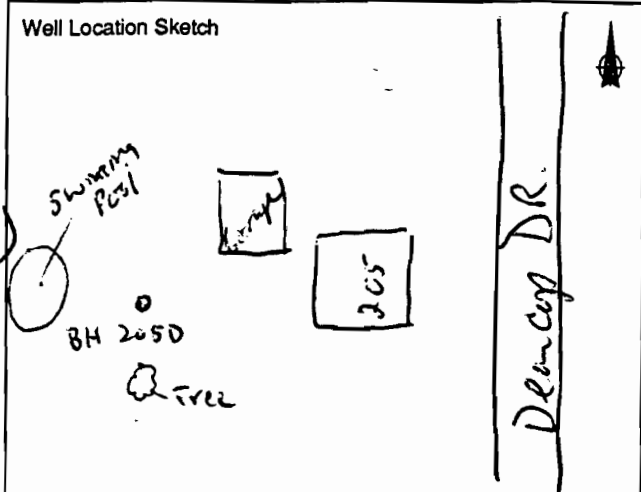
Total Depth of Borehole Is 17.0'

Total Depth of Corehole Is N/A

Water Level (TOIC)

Date	Time	Level (Feet)

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	SPLIT SPOON Core Recovery	RQD	Fracture Sketch	HM/OVA (ppm)	Comments
				N/A	N/A	N/A	FT	N/A	N/A		
1	0-2	2 8					1.5			N/A	2" spoon
2		11 14									
3	2-4	9 5					1.0			NA	2" spoon
4		4 7									sampled for fuel RL
5	4-6	8 20					1.3			NA	2" spoon
6		11 14									
7	6-8	24 27					2.0			NA	2" spoon
8		31 32									
9	8-10	22 37					1.5			NA	2" spoon
10		37 67									
11	10-12	54 30					0.9			NA	2" spoon
12		51 53									
13	12-14	60 50					2.0			NA	2" spoon
14		91 150									Refusal

SCREENED WELL **OPEN-HOLE WELL**

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Lock Number _____

GROUND SURFACE

Top of Grout _____ ft

Borehole Diameter _____ inches

Top of Seal at _____ ft

Bottom of Seal at _____ ft

Top of Screen at _____ ft

Pack Type/Size:

☐ Sand _____

☐ Gravel _____

☐ Natural _____

Bottom of Screen at _____ ft

Quantity of Material Used:

Bentonite Pellets _____

Cement _____

Cement/Bentonite _____

Grout _____

Top of Sand Pack _____

Screen Slot Size _____

Screen Type

☐ PVC _____

☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/ Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

N/A

G. Flt

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	Soil Class	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
			Dry	Moist	Wet
1	OL/ML	Top 1' - topsoil - dk brn, organic silt and clay. Bottom 0.5'	○	⊗	○
2	SM	Lt brn, fine to v. fine gravelly (<5% subrounded 1cm) silty sand to silt	○	○	○
3	SM	Same as bottom 0.5 of first screen - Firm	○	⊗	○
4		Collected sample for Full TCL	○	○	○
5	SM	Same as previous interval	○	○	⊗
6			○	○	○
7	SM	Same silty fine sand as previous interval with 0.2 ft green clay layer (gravelly) (0.7 ft from top of screen)	○	○	⊗
8			○	○	○
9	SM	Same silty fine sand as previous interval - no gravel with a 0.2' green clay layer (0.4 ft from bottom of screen)	○	○	⊗
10			○	○	○
11	SM	Same as previous interval, with some orange banding, and the bottom 0.3' slightly reddish and gravelly (100% 2-3 mm)	○	○	⊗
12			○	○	○
13	SM	Same Lt brn - orange banded fine silty sand / bottom 0.6' light	○	○	⊗
14		Pmk v. fine silty sand - v. Firm	○	○	⊗
		14' Refusal (probably not bedrock - See drill log for nearby mw - 55 45)	○	○	○

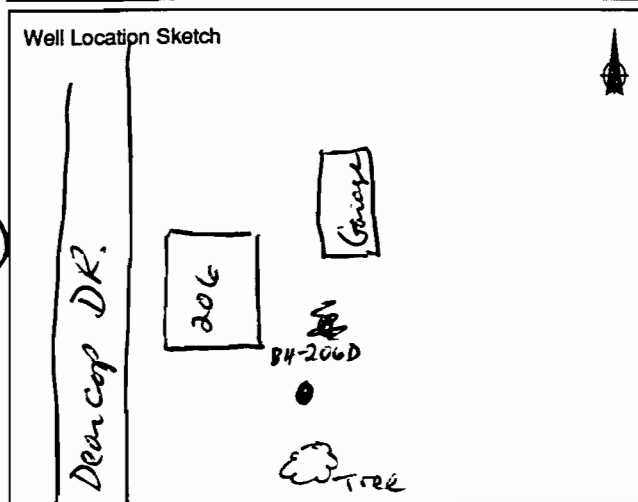


DRILLING LOG FOR 206D

Project Name Deancup Farm site
Site Location 206 Deancup
Backyard
Date Started/Finished 1-5-93 / 1-5-93
Drilling Company Panatt Wolff
Driller's Name J. Lansing
Geologist's Name G. Florentino
Geologist's Signature G. Florentino
Rig Type (s) N/A
Drilling Method (s) Triged + weight Drop (140 lb)
Bit Size (s) N/A Auger Size (s) N/A
Auger/Split Spoon Refusal 12
Total Depth of Borehole Is 12
Total Depth of Corehole Is N/A

Water Level (TOIC)		
Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Spl. F. Spin Core Recovery (%)	RQD	Fracture Sketch	Fluor/OVA (ppm)	Comments
1	0-2	18 22		N/A	N/A	N/A	0.8	N/A	N/A	NA	3" spoon Some Fill water 2' BGS
2		41 36									
3	2-4	7 9					2.0			NA	3" spoon Collected Sample for FURTHER ANALYSIS
4		8 11									
5	4-6	9 12					0.4			NA	3" spoon
6		16 19									
7	6-8	7 19					2.0			NA	2" spoon
8		25 24									
9	8-10	23 47					2.0				2" spoon
10		34 17									
11	10-12	24 43									2" spoon refusal
12		72 110									
13											
14											

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches
Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand
☐ Gravel
☐ Natural

Bottom of Screen at _____ ft

SCREENED WELL

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____
 Top of Sand/Pack _____
 Screen Slot Size _____
 Screen Type _____
☐ PVC
☐ Stainless Steel _____
 Bottom of Hole at _____ ft
 Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole _____ ft
Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
	dark brown clayey, silty v. fine sand			
1	Top 0-2 - Topsoil, followed by 0-2 ft of black slag material, followed by medium brown, loose medium to coarse silty sand and gravel (subangular) with occasional black and tan clay fragments	○	⊗	○
2		○	○	○
3	same as the medium brown loose silty sand and gravel with black and tan clay fragments with 0.3' of v. fine, powdery, lightweight black sand	○	⊗	○
4	0.2 ft from bottom of screen.	○	○	○
5	poor recovery - broken rock fragments - angular	○	○	⊗
6	Saturated	○	○	○
7	lt. brown, gray - orange mottled, clayey, silty, fine sand, firm, brittle - 5-10% subrounded (2-4mm) gravel	○	○	⊗
8		○	○	○
9	Top 0.7 same as previous interval, next 0.4 - angular, silty, sandy gravel (5mm), followed by med to fine silty sand with 10% gravel (angular 2-4mm)	○	○	⊗
10		○	○	○
11	med brown, hard, v. fine silty sand (10% gravel, subangular 4-6mm) red sandstone frag, shale frag	○	⊗	○
12		○	○	○
13		○	○	○
14		○	○	○



DRILLING LOG FOR 5V

Project Name Deercamp Farm site

Site Location 5 Varian La.

Back yard

Date Started/Finished 1-6-93 / 1-6-93

Drilling Company Panett Wolff

Driller's Name J. Lansing

Geologist's Name G. Florentino

Geologist's Signature G. Florentino

Rig Type (s) N/A

Drilling Method (s) Tripod with 140lb weight drop

Bit Size (s) N/A Auger Size (s) N/A

Auger/Split Spoon Refusal 12'

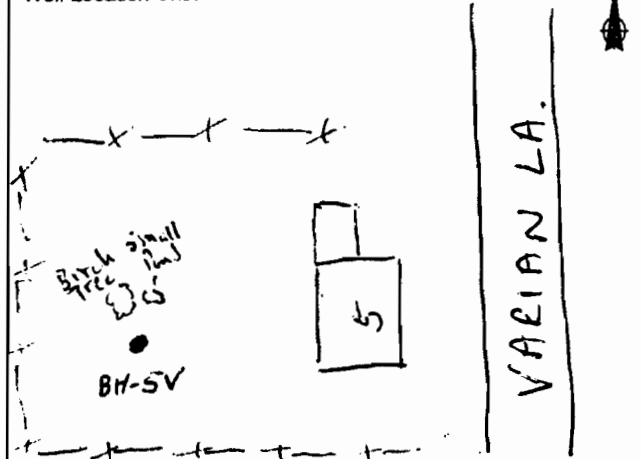
Total Depth of Borehole Is 12'

Total Depth of Corehole Is N/A

Water Level (TOIG)

Date	Time	Level (Feet)

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Split Spoon Recovery	RQD	Fracture Sketch	TSS/OVA (ppm)	Comments
				<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>(H)</u>	<u>N/A</u>	<u>N/A</u>		
1	<u>0-2</u>	<u>2 3</u> <u>6 7</u>					<u>1.2</u>			<u>0</u>	<u>3" Spoon</u> <u>water 1.8 hrs</u>
2											
3	<u>2-4</u>	<u>8 5</u> <u>8 17</u>					<u>1.9</u>			<u>0</u>	<u>2" Spoon</u> <u>collected sample for PHL TCL</u>
4											
5	<u>4-6</u>	<u>18 21</u> <u>17 24</u>					<u>1.9</u>			<u>0</u>	<u>2" Spoon</u>
6											
7	<u>6-8</u>	<u>26 26</u> <u>44 46</u>					<u>1.7</u>			<u>0</u>	<u>2" Spoon</u>
8											
9	<u>8-10</u>	<u>27 49</u> <u>46 38</u>					<u>0.8</u>			<u>0</u>	<u>2" Spoon</u>
10											
11	<u>10-12</u>	<u>50 55</u> <u>20 125</u>					<u>1.5</u>			<u>0</u>	<u>2" Spoon</u> <u>Refusal</u>
12											
13											
14											

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches
Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand _____
☐ Gravel _____
☐ Natural _____

Bottom of Screen at _____ ft

SCREENED WELL

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____
 Top of Sand Pack _____
 Screen Slot Size _____
 Screen Type _____
☐ PVC _____
☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	OL/Top 0.3' Dr brown top soil followed by med to hr brn silty, clayey, medium to fine sand, soft, semi-plastic to brittle	☐	☒	☐
2	med brown silty, clayey, gravelly (<5% up to 1cm) fine sand, soft, semi-plastic to brittle. Sampled for Fuel TEL	☐	☐	☒
3	med brn, silty fine sand, firm, brittle, 5% subrounded gravel	☐	☒	☒
4	Same as previous interval, but hard	☐	☐	☒
5	Same as previous interval	☐	☐	☒
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9	Same as previous interval with bottom 0.2 ft	☐	☐	☒
10	OL V. hard, green-gray silty clay - dry	☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐



DRILLING LOG FOR

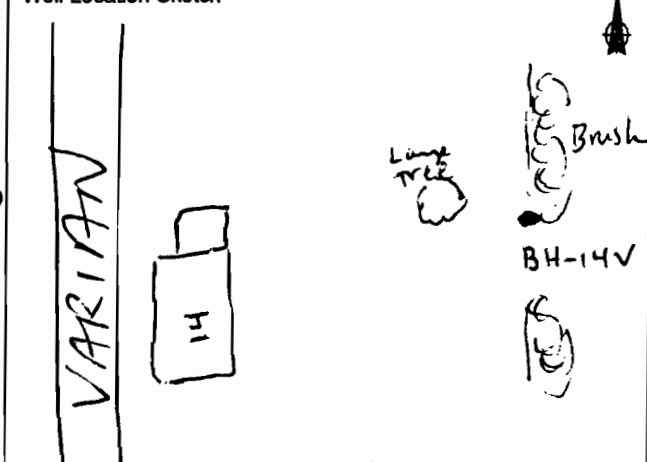
14V

Project Name Deerap Farm siteSite Location 14 Varian la
BackyardDate Started/Finished 1-7-93 / 1-7-93Drilling Company Parratt Wolf IncDriller's Name J. LansingGeologist's Name G. FlorentinoGeologist's Signature G. FlorentinoRig Type (s) N/ADrilling Method (s) Trax + 140 lb wt dropBit Size (s) N/A Auger Size (s) N/AAuger/Split Spoon Refusal 9.2'Total Depth of Borehole is 9.2'Total Depth of Corehole is N/A

Water Level (TOIC)

Date	Time	Level (Feet)

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Split Spoon Recovery	RQD	Fracture Sketch	4-HydroVA (ppm)	Comments
				N/A	N/A	N/A	N/A	N/A	N/A		
1	0-2	11 7					0.7			0	3" spoon
2		8 11									
3	2-4	7 8					2.0			0	2" spoon collected Full Test Sample
4		9 12									
5	4-6	20 21					1.8			0	2" spoon
6		28 31									
7	6-8	10 17					2.0			0	2" spoon
8		31 45									
9	8-10	38 117					0.9			0	2" spoon Refusal at 9.2'
10		102 -									
11											
12											
13											
14											DRY hole

Stick-up _____ ft

SCREENED WELL

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches
Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____ ft

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand _____
☐ Gravel _____
☐ Natural _____

Bottom of Screen at _____ ft

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____
 Top of Sand Pack _____
 Screen Slot Size _____
 Screen Type _____
☐ PVC _____
☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____ ft

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	cl Top 0.2' topsoil followed by 0.5' of tree root ↳ black silty med grained sand, brittle, soft	○	⊗	○
2		○	○	○
3	sc med brown, grn, grey, pink mottled, clayey, silty, gravelly	○	⊗	○
4	SM (< 2% subround 4-6 mm) v. fine sand, firm, brittle	○	○	○
5	SM TOP 1.4' same as previous interval with gravel and	○	⊗	○
6	rock frag up to 5mm (< 1%), bottom 0.4' reddish silty v. fine sand	○	○	○
7	SM med brn-red, silty fine sand, firm, brittle, uniform	○	○	⊗
8		○	○	○
9	SM med brn-reddish, gravelly (< 5% 4-6 mm, subround) coarse	○	○	⊗
10	sandy, silty fine sand, hard, brittle.	○	○	○
11	Refusal at 9.2 ft	○	○	○
12		○	○	○
13		○	○	○
14		○	○	○



DRILLING LOG FOR 15V

Project Name Deeray Farm Site

Site Location 15 Vanan

Backyard

Date Started/Finished 1-6-92 / 1-6-92

Drilling Company Parratt Wolff

Driller's Name J. Lansing

Geologist's Name G. Florence

Geologist's Signature G. Florence

Rig Type (s) N/A

Drilling Method (s) Trupac w/ 140 lb wt. drop

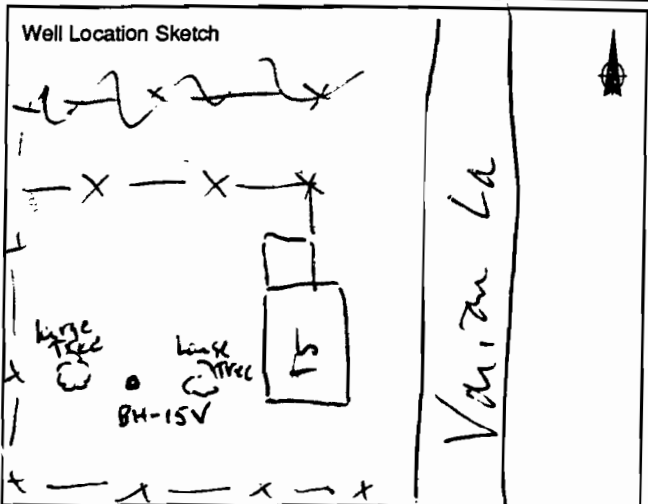
Bit Size (s) N/A Auger Size (s) N/A

Auger/Split Spoon Refusal 12'

Total Depth of Borehole Is 12'

Total Depth of Corehole Is N/A

Water Level (TOIC)		
Date	Time	Level (Feet)



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Split Spoon Core Recovery	RQD	Fracture Sketch	HNO ₃ /OVA (ppm)	Comments
				N/A	N/A	N/A		N/A	N/A		
1	0-2	2					1.4			0	2" spoon
2		4 8									
3	2-4	18 23					1.8			0	2" spoon collected Full TC
4		20 22									
5	4-6	24 27					1.7			0	2" spoon
6		22 30									
7	6-8	22 18					2.0			0	2" spoon
8		26 35									
9	8-10	5 20					2.0			0	2" spoon
10		35 47									
11	10-12	33 68									2" spoon
12		75 115									Refusal
13											
14											

Stick-up _____ ft

SCREENED WELL

Inner Casing Material _____

Lock Number _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches

Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:

☐ Sand _____

☐ Gravel _____

☐ Natural _____

Bottom of Screen at _____ ft

GROUND SURFACE

Quantity of Material Used:

Bentonite Pellets _____

Cement _____

Cement/Bentonite _____

Grout _____

Top of Sand Pack _____

Screen Slot Size _____

Screen Type _____

☐ PVC _____

☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/ Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

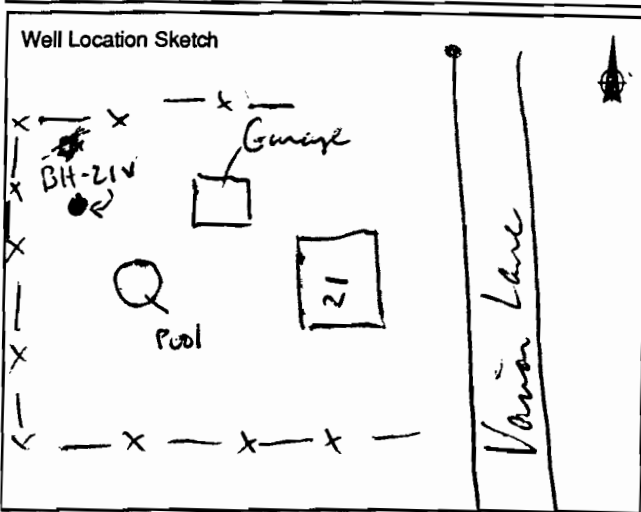
Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
0L/1 SC	clayey, silty, fine sand Top 0-6' Topsoil, followed by med brn, orange, gravelly (subrounded) up to 2cm) silty, clayey, fine sand, semiplastic to brittle, firm	○	⊗	○
2 SM/3 SC	2' brown, orange, tan, some red clayey, silty fine sand, firm, brittle gravelly (<5% subrounded up to 2cm)	○	⊗	○
4 SM	med. brn, gravelly (<5% subrounded 4-6mm) silty fine sand, firm, brittle	○	○	⊗
6 SM	Same as previous interval (gravel up to 2cm)	○	○	⊗
8 SM	Same as previous interval expect sand is very fine	○	○	⊗
10 SM	Same as previous interval	○	○	○
12	Refusal	○	○	○
13		○	○	○
14		○	○	○



DRILLING LOG FOR 21V

Project Name Dancing Farm
 Site Location 21 Varian Lane
Backyard
 Date Started/Finished 1-6-93/1-6-93
 Drilling Company Panetti well
 Driller's Name J. Lansing
 Geologist's Name G. Florentino
 Geologist's Signature G. Florentino
 Rig Type (s) N/A
 Drilling Method (s) Tripod w/ 140 lb weight drop
 Bit Size (s) N/A Auger Size (s) N/A
 Auger/Split Spoon Refusal 10.2'
 Total Depth of Borehole Is 10.2'
 Total Depth of Corehole Is N/A

Water Level (TOIC)		
Date	Time	Level (Feet)



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Split Spoon Core Recovery	RQD	Fracture Sketch	HNA/OVA (ppm)	Comments
1	2	2		N/A	N/A	N/A	1.5	N/A	N/A		2" Spoon
2	2-4	2 5									Water at 2 ft
3		8 9					2.0				2" Spoon
4		8 9									Collected Sample for Full TCL
5	4-6	20 27					2.0				2" Spoon
6		37 55									
7	6-8	27 36					1.7				2" Spoon
8		56 109									
9	8-10	48 48					1.6				2" Spoon
10		56 57									
11	10.2						0				2" Spoon Refusal at 10.2
12	10.2										
13											
14											

SCREENED WELL **OPEN-HOLE WELL**

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Lock Number _____

GROUND SURFACE

Top of Grout _____ ft

Borehole _____ inches
Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand _____
☐ Gravel _____
☐ Natural _____

Bottom of Screen at _____ ft

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____
 Top of Sand Pack _____
 Screen Slot Size _____
 Screen Type _____
☐ PVC _____
☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/
Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
0.4	Top 0.4 ft topsoil, followed by lt brn, dk brn, orange, gravelly	○	⊕	○
1	SC (<1% up to 1cm subrounded) silty, clayey, v. fine sand, firm, ^{semi} plastic	○	○	○
2	medium brn, gray, green, tan, red mottled, gravelly (<5% subrounded 4-6mm) silty, clay, v. fine sand, firm, brittle	○	⊗	○
3	SM medium brn, gray/red mottled, silty fine sand, firm to hard, some gravel (<1% subrounded, 3-5mm)	⊗	○	○
4	SM medium brn, hard, silty medium grained sand, brittle	○	○	⊗
5	SM ^{medium} brn, hard, gravelly (subrounded 4-5mm <5%)	○	○	○
6	Silty v. fine sand	○	○	⊗
7		○	○	○
8		○	○	○
9		○	○	○
10		○	○	○
11	Refusal at 10.2	○	○	○
12		○	○	○
13		○	○	○
14		○	○	○



DRILLING LOG FOR 32V

Project Name Deer Creek Farm Site

Site Location 32 Vanian La
Backyard

Date Started/Finished 1-7-93 / 1-7-93

Drilling Company Panett Wolff

Driller's Name J. Lansing

Geologist's Name G. Florentino

Geologist's Signature G. Florentino

Rig Type (s) N/A

Drilling Method (s) Trimp w/ 14" 16" w/ dup

Bit Size (s) 10/16" Auger Size (s) N/A

Auger/Split Spoon Refusal 10'

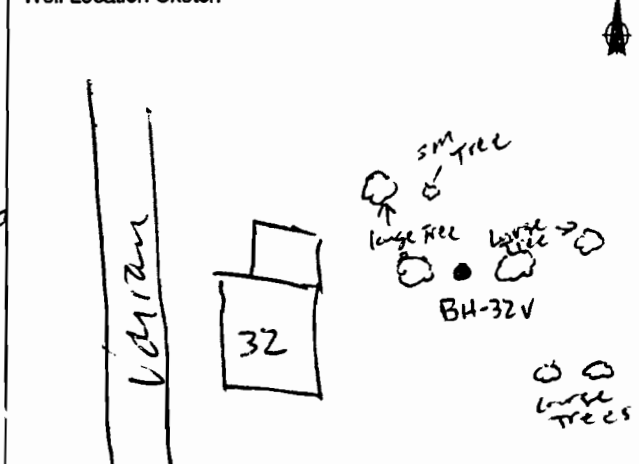
Total Depth of Borehole Is 10'

Total Depth of Corehole Is N/A

Water Level (TOIG)

Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile N/A	Penetration Times N/A	Run Number N/A	Split Spoon Recovery (ft)	RQD N/A	Fracture Sketch N/A	HM/OVA (ppm)	Comments
1	0-2	2 3 6 8					2.0			0	3" spoon collected RAD Sample
2		13 17									
3	2-4	26 25					2.0			0	2" spoon sampled for Fuel TEL (Dup)
4		20 32									
5	4-6	34 39					1.7			0	2" spoon
6		5 21									
7	6-8	32 21					1.0			0	2" spoon
8		38 47									
9	8-10	115 91					1.6				2" spoon Refusal
10											
11											
12											
13											
14											

Stick-up _____ ft

SCREENED WELL

Inner Casing Material _____

Lock Number _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches
Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand
☐ Gravel
☐ Natural

Bottom of Screen at _____ ft

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____

Top of Sand Pack _____

Screen Slot Size _____

Screen Type _____
☐ PVC
☐ Stainless Steel

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

GROUND SURFACE

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
0.6'	collected RAD sample.			
1	0.6' top soil - med to dk brown, silty, med to fine sand, soft, brittle, followed by 0.8'	○	⊗	○
2	dk brn, organic, silty, med to fine sand, soft, brittle, then 0.6' of dk brn clayey, silty	○	○	○
3	med to fine sand, firm, silty, plastic, roots	○	○	○
4	lt brn, orange, red mottled, gravelly (50% subrounded 4-6mm), silty	○	⊗	○
5	v. fine sand, firm, brittle - collect full TCL sample + 10mg	○	○	○
6	med brn, gravelly (10% subrounded 4-6mm) silty v. fine sand, firm, brittle	○	⊗	○
7	med brn, gravelly (10% subrounded to subangular, up to 2cm)	○	○	⊗
8	silty, med to fine sand, firm, brittle	○	○	○
9	med brn, v. hard, compact, silty, gravelly (<1% up to 2cm	○	⊗	○
10	subrounded to subangular) fine to v. fine sand	○	○	○
11		○	○	○
12		○	○	○
13		○	○	○
14		○	○	○

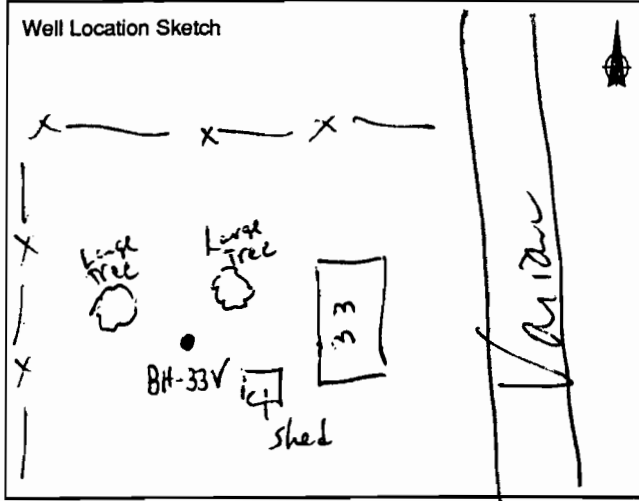


DRILLING LOG FOR 33V

Project Name Deercamp Farm
 Site Location 33 Varian La.
Backyard
 Date Started/Finished 1-6-93 / 12-93
 Drilling Company Parratt well
 Driller's Name J. Lansing
 Geologist's Name G. Flycatcher
 Geologist's Signature G. Flycatcher
 Rig Type (s) N/A
 Drilling Method (s) Trivied + 140 lb w/hammer
 Bit Size (s) N/A Auger Size (s) N/A
 Auger/Split Spoon Refusal 9'2" of 8'
 Total Depth of Borehole Is 9'2" of 8'
 Total Depth of Corehole Is N/A

Water Level (TOIG)		
Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Split Spoon Recovery	RQD	Fracture Sketch	THM/OVA (ppm)	Comments
				N/A	N/A	N/A		N/A	N/A		
1	0-2	3 4					1.9			0	3" Spoon Collected full TEL and asbestos
2		10 23									
3	2-4	16 9					0.2			0	3" Spoon water at 25'
4		13 18									
5	4-6	8 15					2.0			0	2" Spoon
6		16 30									
7	6-8	22 44					1.0			0	2" Spoon
8		67 126									Refusal
9	8-10	38 117									2" Spoon Refusal at 9'2"
10		102									
11	10-12										
12											
13											
14											

Stick-up _____ ft

SCREENED WELL

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches
Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____ ft

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand _____
☐ Gravel _____
☐ Natural _____

Bottom of Screen at _____ ft

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____
 Top of Sand Pack _____
 Screen Slot Size _____
 Screen Type _____
☐ PVC _____
☐ Stainless Steel _____

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

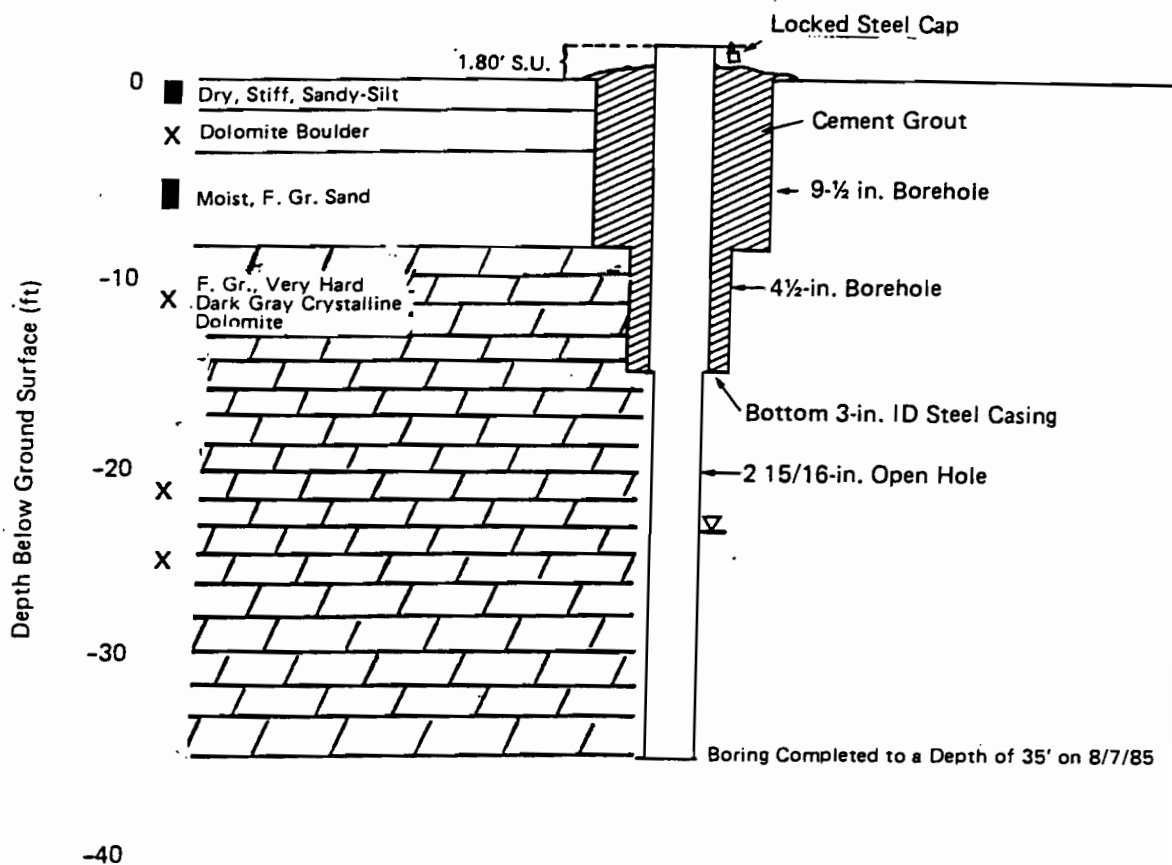
N/A

G-1

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
OH/SM 1	0.6' Topsoil, followed by reddish, silty v. fine sand (0.9'), followed by 0.25' of black, v. soft, lightweight med. grained sand, med brn, yellow, silty, v. fine sand	☐	☒	☐
2	NO Recovery	☐	☒	☐
3		☐	☐	☐
4		☐	☐	☐
SC/SM 5	Top 0.6' med brn, orange clayey, silty med to v. fine sand, firm, semi-plastic, followed by 0.4' of same with some reddish clay and gravel (2-3mm), 0.5' of red v. fine sandy silty clay - semi-plastic, at brn, gray-red mottled, silty v. fine sand - brittle	☐	☒	☐
6		☐	☒	☐
SM 7	med brn, silty fine sand - firm, brittle	☐	☒	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐

Rock Well DR-1



KEY

■ Soil Interval Sampled by Standard Split Spoon

▽ Static Water Level Measured on 7/8/85

X Cuttings Sample Collected

Figure 3-2. Boring log and well schematic for Well DR-1 at the Dearcop Farm site.



DRILLING LOG FOR

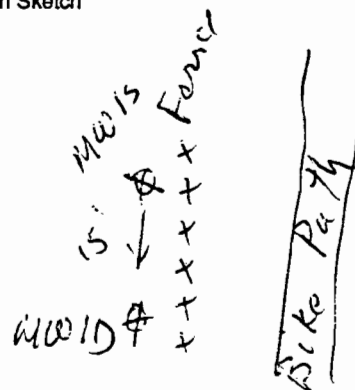
MW 1 D

Project Name Dearcod FarmSite Location Gates NYDate Started/Finished 2-2-93 - 2/4/93Drilling Company Parratt WolffDriller's Name Mark BeckGeologist's Name John DoerrGeologist's Signature [Signature]Rig Type (s) Mobile B-56Drilling Method (s) HSA/RotaryBit Size (s) HX-3 7/8 Auger Size (s) 4 1/2"Auger/Split Spoon Refusal 3.5Total Depth of Borehole Is 13.7Total Depth of Corehole Is 67.14

Water Level (TOIC)

Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1	1	7 19	Fill				45			0	
2	2	19 13									
3	2	14 21					60			0	
4	3	39 4	Boulders								
5	3	52 3									
6											
7	4	61 66	0.0 0.0 0.0							0	
8	4	77 62	0.0 0.0 0.0								
9			0.0 0.0 0.0								
10			0.0 0.0 0.0								
11			0.0 0.0 0.0								
12			0.0 0.0 0.0								
13			0.0 0.0 0.0								
14			0.0 0.0 0.0								
					24	1	100	80		0	

SCREENED WELL	GROUND SURFACE	OPEN-HOLE WELL
Stick-up _____ ft		Stick-up _____ ft
Inner Casing Material <u>PVC</u>	Lock Number _____	Inner Casing Material _____
Inner Casing Inside Diameter <u>2</u> inches		Inner Casing Inside Diameter _____ inches
Top of Grout _____ ft	Quantity of Material Used:	Top of Grout _____ ft
Borehole _____ inches	Bentonite Pellets <u>3/4 Bag</u>	Bottom of Outer Casing _____ ft
Diameter _____ ft	Cement <u>5 Bags</u>	Borehole Diameter _____ ft
Top of Seal at <u>37.2</u> ft	Cement/Bentonite _____	Bedrock _____ ft
Bottom of Seal at <u>39.9</u>	Grout _____	Bottom of Rock Socket/Grout/Casing _____ ft
Top of Screen at <u>42.14</u> ft	Top of Sand Pack <u>39.9</u>	Corehole Diameter _____
Pack Type/Size:	Screen Slot Size <u>0.010</u>	Bottom of Corehole _____ ft
☒ Sand	Screen Type _____	
☐ Gravel	☒ PVC	
☐ Natural	☐ Stainless Steel	
Bottom of Screen at <u>67.14</u> ft	Bottom of Hole at <u>67.14</u> ft	
	Bottom of Sandpack at <u>67.14</u>	

NOTE: See pages 109 and 110 for well construction diagrams

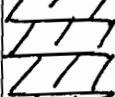
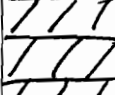
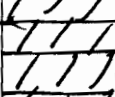
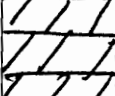
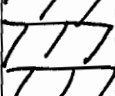
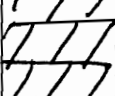
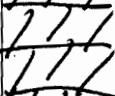
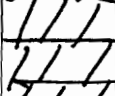
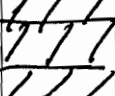
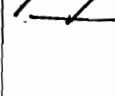
Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0.0 - 2.0 Fill mix of sand, silt, clay, broken dolomite frags, Brn/gray mottling, dry	☐	☐	☐
2	2.0 - 4.0 Silty Sand, Brn to red brn, dry, possibly fill, no structures, uniform composition	☐	☐	☐
3		☐	☐	☐
4		☐	☐	☐
5	3.5 - 7.0 Boulders	☐	☐	☐
6		☐	☐	☐
7	7.0 - 9.0 Till, Brn to gray, predominantly fine sand	☐	☐	☐
8		☐	☐	☐
9	Spin Casing and Ream to 13.7	☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13	13.7 - 16.7 - Dolomite, lt gray with uneven DK gray to Black carbonaceous zones and blebs, thinly bedded	☐	☐	☐
14		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNU/OVA (ppm)	Comments
16					24	1	100	80	-	0	
17									-		
18					32	2	88	81	-	0	
19									-		
20									-		
21									-		
22									-		
23					18	3	102	98	=		
24									-	0	
25									-		
26									-		
27									-		
28									-		
29					19	4	104	94	-	0	
30									-		
31									-		
32									=		
33									-		
34					18	5	100	88	=	0	
35									-		
36									-		
37									-		
38									=		
39					16	6	100	70	-		
40									-		
41									-		
42									-		
43					21	7	100	86	-	0	
44									-		

B-31

80

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
16	16.7-21.7- Dolomite, with numerous open weathered fractures	☐	☐	☐
17		☐	☐	☐
18		☐	☐	☐
19		☐	☐	☐
20	21.7-26.7- Dolomite, very competent High RQD, thin bedded	☐	☐	☐
21		☐	☐	☐
22		☐	☐	☐
23		☐	☐	☐
24	26.7-31.7- Dolomite, minor vertical oriented vugs	☐	☐	☐
25		☐	☐	☐
26		☐	☐	☐
27		☐	☐	☐
28	31.7-36.7 Dolomite, large open Fracture at 32.4	☐	☐	☐
29		☐	☐	☐
30		☐	☐	☐
31		☐	☐	☐
32	36.7-41.7 Dolomite, slight sulfide smell, 1 st appearance 2 ^o anhydrite at 37 ~ 40.5', Anhydrite vug fillings	☐	☐	☐
33		☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36	41.7-46.7- Dolomite continued,	☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42		☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
46					21	7	100	86	=	0	
47											
48											
49					40	8	98	45		0	
50											
51											
52											
53											
54					24	9	100	49		0	
55											
56											
57											
58					29	10	100	58		0	
59											
60											
61											
62											
63											
64					31	11	98	71		0	
65											
67											
68											
69											
70											
71											
72											
73											
74											
75											

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46	46.7-51.7 - Dolomite, many open weathered, horizontal to sub horizontal fractures	☐	☐	☐
47		☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50	51.7-56.7 - Dolomite highly weathered many open fractures	☐	☐	☐
51		☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54	56.7-61.7 Dolomite, shows increase in competency below 57.5' and 2° Anhydrite, in fractures, vugs	☐	☐	☐
55		☐	☐	☐
56		☐	☐	☐
57		☐	☐	☐
58	61.7-67.14 Dolomite as above	☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61		☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65		☐	☐	☐
66		☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70		☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deerpark Farm

DATE 2-18-93

LOCATION Gates, NY

WELL NO. MW-1D

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

• Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

• The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

• The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r^2h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 5.9 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 33.88'

WELL DEPTH (TD) 70.02'

COLOR Black

ODOR H₂S

CLARITY turbid 6.3 NTU's

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) NA

WELL DEPTH (TD) 70.02'

COLOR Black

ODOR H₂S

CLARITY less turbid 47.9 NTU's

DESCRIPTION OF DEVELOPMENT TECHNIQUE

2" submersible pump

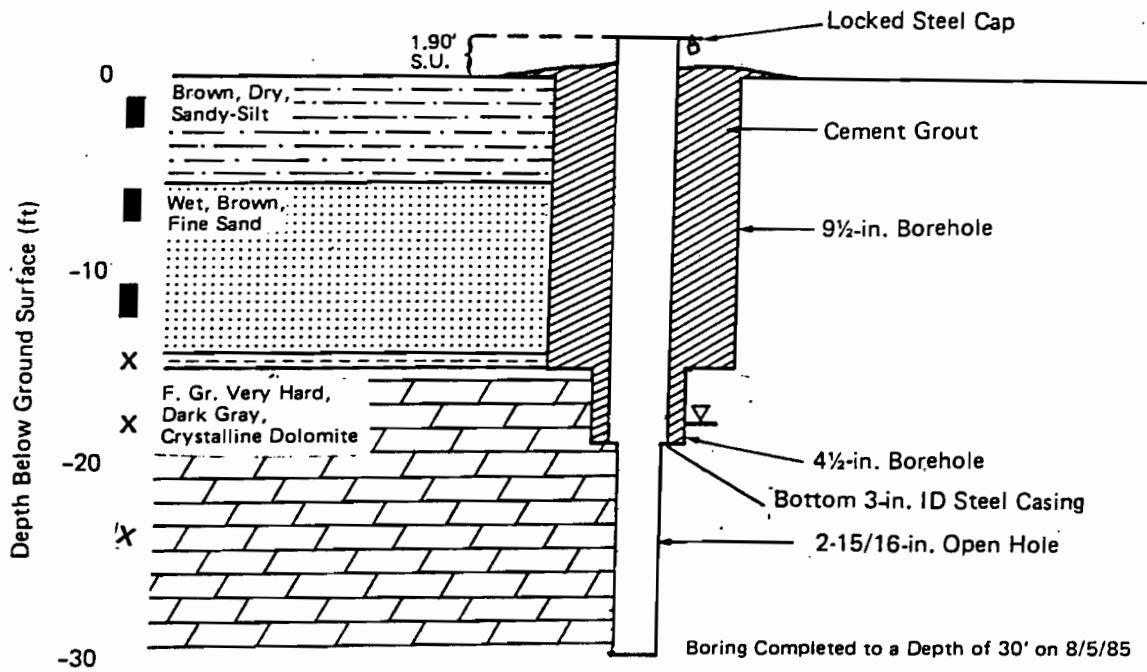
mw-ID

Transferred from Page 5 of Logbook #4 - Groundwater Sampling

DEVELOPED BY: G. Jones / J. Mays / T. Summers

DATE 2-18-93

ROCK WELL DR-2



KEY

■ Soil Interval Sampled by Standard Split Spoon

▽ Static Water Level Measured on 7/8/85.

X Cuttings Sample Collected

Figure 3-3. Boring log and schematic for Well DR-2 at the Dearcop Farm site.

DR-2

1 well vol. = 6.4 gal $\times 3 = 19.2$ gal

+	1817	18	6.91	1747	8.2	>200	mod cloudy - rusty color
+	1847	20	6.75	1740	7.5	>200	mod cloud - rusty, hake
+	1849	20	6.72	1740	7.7	>200	

+ Believe that the water characteristics dropped off because of a rapid ambient temp drop mid 30's to 20°F causing the instruments to function differently. Will take a characteristics reading prior to sampling to verify the well is stable.

DEVELOPED BY: Pinged John Doe / John Herman

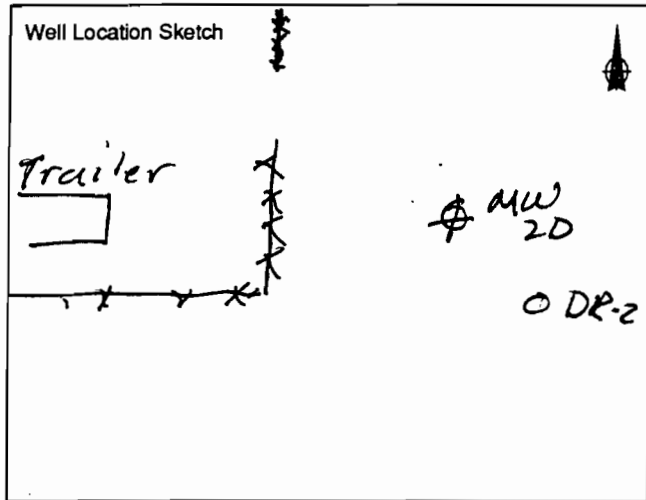
DATE 03/22/93



DRILLING LOG FOR MW 2 D

Project Name Deerlop Farm
 Site Location Rochester NY
 Date Started/Finished 12-9-92/12-15-92
 Drilling Company Parrott-Walsh
 Driller's Name M. Buck
 Geologist's Name J. Doerr
 Geologist's Signature [Signature]
 Rig Type (s) Mobil B-56
 Drilling Method (s) HSA/Rotary Core
 Bit Size (s) NX/HX Auger Size (s) 4.25" Id
 Auger/Split Spoon Refusal 7.2 / 22
 Total Depth of Borehole Is 81-45
 Total Depth of Corehole Is 81-45

Water Level (TOIC)		
Date	Time	Level(Feet)



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1	1	2 3	SE				95%			0	
2		9 7					75%			0	
3	2	7 7									
4		3 3									
5	3	6 8					70%			0	
6		11 21								1	
7	4	13 8									
8	22	58									
9			Boulder				80%	55%		0	
10											
11			9d 9.0/9.0								
12			fill 11.0/11.0							0	
13			9.0/10.0								
14			11.0/11.0								

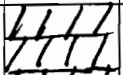
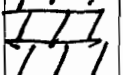
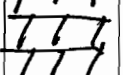
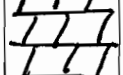
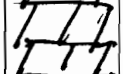
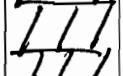
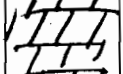
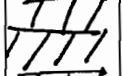
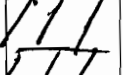
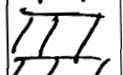
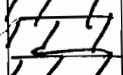
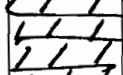
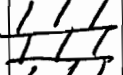
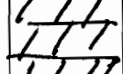
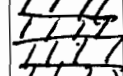
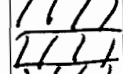
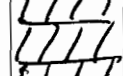
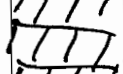
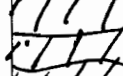
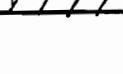
SCREENED WELL	OPEN-HOLE WELL
Stick-up _____ ft	Stick-up _____ ft
Inner Casing Material <u>PVC</u>	Inner Casing Material <u>PVC</u>
Inner Casing Inside Diameter <u>2</u> inches	Inner Casing Inside Diameter <u>3</u> inches
Lock Number _____	
GROUND SURFACE	
Top of Grout _____ ft Borehole _____ inches Diameter _____ ft Top of Seal at <u>40.1</u> ft Bottom of Seal at <u>42.6</u> Top of Screen at <u>45.0</u> ft Pack Type/Size: ☒ Sand ☐ Gravel ☐ Natural Bottom of Screen at <u>65.0</u> ft	Quantity of Material Used: Bentonite _____ Pellets _____ Cement _____ Cement/Bentonite _____ Grout _____ Top of Sand Pack <u>42.6</u> Screen Slot Size <u>0.010</u> Screen Type _____ ☒ PVC ☐ Stainless Steel Bottom of Hole at <u>85</u> ft Bottom of Sandpack at <u>65.0</u>
	Top of Grout <u>0</u> ft Bottom of Outer Casing <u>81.45</u> ft Borehole Diameter <u>0.3</u> ft Bedrock <u>22</u> ft Bottom of Rock Socket/Grout/ Casing <u>81.45</u> ft Corehole Diameter <u>NX</u> Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0.0'-2.0' Silt, Black, dry, very soft, loose	☒	☐	☐
2	not compacted, occasional, rusty mottled	☒	☐	☐
3	zones, minor rusty sluggish metal frags,	☒	☐	☐
4	2.0-2.5- as above, grainy sandy appearance	☒	☐	☐
5	2.5-2.8- Lt grey-green, slag, vesicular, rock like	☒	☐	☐
6	2.8-4.0- as in SS #1 - dry	☒	☐	☐
7	4.0-5.5- as above	☐	☐	☐
8	5.5-6.0- Silty Sand, Lt Brown, mottled w/gray	☐	☐	☐
9	clay partings, med brn, fine sand partings	☐	☐	☐
10	native	☐	☐	☐
11	6.0-7.2- Fine sand, dry, Lt. Brn, well bedded	☐	☐	☐
12	occasional Brn silt parting	☐	☐	☐
13	Refusal, Bedrock in situ	☐	☐	☐
14	8.8'-10.5' Lock port Dolomite, Lt to dark gray	☐	☐	☐
	irregular sub horizontal fractures	☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNw/OVA (ppm)	Comments
16			fill								
17											
18											
19											
20											
21											
22											
23	2			11							
24				111							
25				111							
26				111							
27	3			111							
28				111	25 min	3	97%	88			
29				111							
30				111							
31				111							
32				111							
33				111	25	4	100	88			
34				111							
35				111							
36				111							
37				111	27	5	100	95			
38				111							
39				111							
40				111							
41				111							
42				111	21		96%	100			
43				111		6					
44				111							

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
16	occasional sandy zones	☐	☐	☐
17	15-17' Till, dry, sandy gray, moderate	☐	☐	☐
18	subrounded to angular dolomite frags	☐	☐	☐
19	very hard, compact to 21.7'	☐	☐	☐
20		☐	☐	☐
21		☐	☐	☐
22	22.0-25. Dolomite, fine grained, minor	☐	☐	☐
23	coarse beds, irregular sub horizontal	☐	☐	☐
24	fracturing no 2° mineralization	☐	☐	☐
25	Fine grained, beds ~ 1.0' thick, moderate	☐	☐	☐
26	weathering along bedding planes	☐	☐	☐
27	25.0-30.0 Dolomite, dk gray when wet	☐	☐	☐
28	lt to med gray dry, fine grained,	☐	☐	☐
29	minor frags 28.5-29.0, finely bedded ~	☐	☐	☐
30	0.1", minor carbonaceous partings	☐	☐	☐
31	possible, slump or bioperturbation	☐	☐	☐
32	minor sub horizontal fracture	☐	☐	☐
33	30.0-35.2 - Dolomite as above	☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36	35 to 40.1 - Dolomite, as above	☐	☐	☐
37	2° mineralization along fracture at	☐	☐	☐
38	38.4, var. filling at 39.0 - Calcite	☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41	40.1 to 45.0 - 44.9 Dolomite as above	☐	☐	☐
42		☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
46					24	8	100	91	—	—	
47						7			—	—	
48									—	—	0
49									—	—	
50									—	—	
51									—	—	
52									—	—	
53					26	8	100	75	—	—	0
54									—	—	
55									—	—	
56									—	—	
57									—	—	
58					22	9	100	92	—	—	0
59									—	—	
60									—	—	
61									—	—	
62									—	—	0
63					21	10	100	94	—	—	
64									—	—	
65									—	—	
67									—	—	
68					30	11	98	76	—	—	0
69									—	—	
70									—	—	
71									—	—	
72									—	—	1.7
73						12	100	96	—	—	
74									—	—	
75									—	—	

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46	44.9 to 50.1 - Dolomite as above	☐	☐	☐
47		☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50		☐	☐	☐
51	50.1-55.3 Dolomite as above, 2° calcite mineralization at ~53.4'	☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54		☐	☐	☐
55		☐	☐	☐
56	55.3-60.3 - Dolomite as above	☐	☐	☐
57		☐	☐	☐
58		☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61	60.3-65.3 - as above	☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65		☐	☐	☐
67	65.3-70.2 - as above	☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70		☐	☐	☐
71		☐	☐	☐
72	Thin horizon at 73.6' intense H ₂ S smell 1.7 ppm on H ₂ S melt	☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐
		☐	☐	☐

			CL	SL	S	GR	Number	Recovery	Sketch	(ppm)
77							13	100	92	10
78										
79										
80										
81										
82										
83										
84										
85										
86										
87										
88										
89										
90										
91										
92										
93										
94										
95										
96										
97										
98										
99										
100										
101										
102										
103										
104										
105										

Depth (feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
77	76.15-81.45- Dolomite as above minus 2° Calcite at 80.0'	☐	☐	☐
78		☐	☐	☐
79		☐	☐	☐
80		☐	☐	☐
81		☐	☐	☐
82		☐	☐	☐
83		☐	☐	☐
84		☐	☐	☐
85		☐	☐	☐
86		☐	☐	☐
87		☐	☐	☐
88		☐	☐	☐
89		☐	☐	☐
90		☐	☐	☐
91		☐	☐	☐
92		☐	☐	☐
93		☐	☐	☐
94		☐	☐	☐
95		☐	☐	☐
96		☐	☐	☐
97		☐	☐	☐
98		☐	☐	☐
99		☐	☐	☐
100		☐	☐	☐
101		☐	☐	☐
102		☐	☐	☐
103		☐	☐	☐
104		☐	☐	☐
105		☐	☐	☐

BOREHOLE NO. 13
 BOREHOLE NO. 13
 BOREHOLE NO. 13

WELL DEVELOPMENT RECORD

SITE Deacon Farm

DATE 2/8/93

LOCATION Gates, NY

WELL NO. mw-28

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

• Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

• The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

• The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 4.4 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
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5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
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10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
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20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 40.18'

WELL DEPTH (TD) 67.2' (TOIC)

COLOR Gray

ODOR Swamp Gas

CLARITY V. Cloudy > 100 NTU's

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) NA

WELL DEPTH (TD) 67.2

COLOR Clear

ODOR

CLARITY Clear 49.6 NTU's

DESCRIPTION OF DEVELOPMENT TECHNIQUE

2" Submersible pump

approx 1/2 GPM

mw-2D

CNE well Vol = 4.4 gal

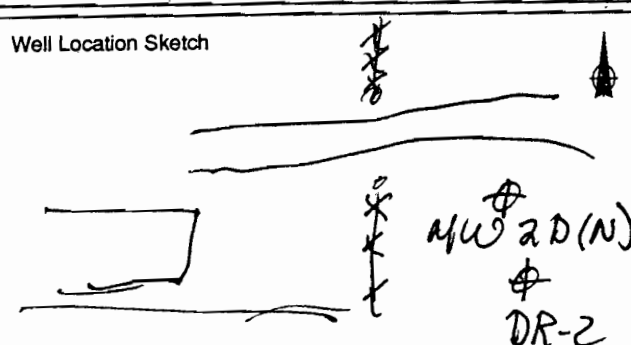
DEVELOPED BY: G. Florento / J. Richert DATE 2/8/93

DRILLING LOG FOR MW 2D(N)Project Name Deerpap FarmSite Location Gales NYDate Started/Finished 2/22/93-2/23/93Drilling Company Purvatt WolffDriller's Name Mark BeckGeologist's Name John DoerrGeologist's Signature [Signature]Rig Type (s) CME 55Drilling Method (s) Rotary CorBit Size (s) 1 1/2" Auger Size (s) _____Auger/Split Spoon Refusal 23.0'Total Depth of Borehole Is 23.0'Total Depth of Corehole Is 60.0'

Water Level (TOIC)

Date	Time	Level(Feet)

Well Location Sketch



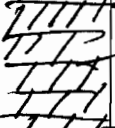
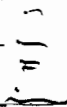
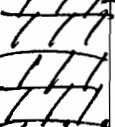
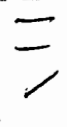
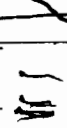
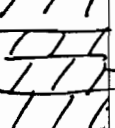
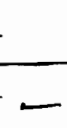
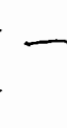
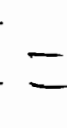
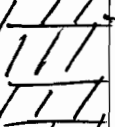
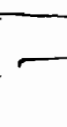
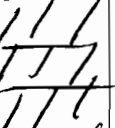
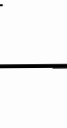
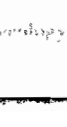
Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

SEE MW-2D
DRILL LOG

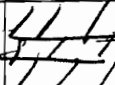
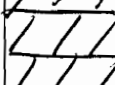
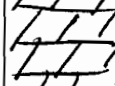
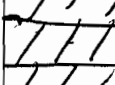
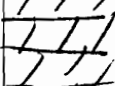
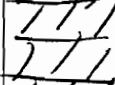
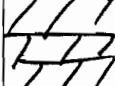
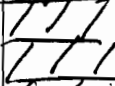
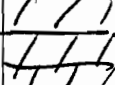
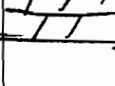
SCREENED WELL	OPEN-HOLE WELL
Stick-up _____ ft Inner Casing Material <u>PVC</u> Inner Casing Inside Diameter <u>2</u> inches Top of Grout _____ ft Borehole Diameter <u>5</u> inches Top of Seal at <u>35.0</u> ft Bottom of Seal at <u>37.5</u> ft Top of Screen at <u>40</u> ft Pack Type/Size: ☐ Sand _____ ☐ Gravel _____ ☐ Natural _____ Bottom of Screen at <u>60.0</u> ft	Stick-up _____ ft Inner Casing Material _____ Inner Casing Inside Diameter _____ inches Top of Grout _____ ft Bottom of Outer Casing _____ ft Borehole Diameter _____ ft Bedrock _____ ft Bottom of Rock Socket/ Grout/ Casing _____ ft Corehole Diameter _____ Bottom of Corehole _____ ft
GROUND SURFACE	
Quantity of Material Used: Bentonite Pellets _____ Cement _____ Cement/ Bentonite _____ Grout _____ Top of Sand Pack <u>37.5</u> Screen Slot Size <u>0.010</u> Screen Type _____ ☒ PVC _____ ☐ Stainless Steel _____ Bottom of Hole at <u>60.0</u> ft Bottom of Sandpack at <u>60.0</u> ft	

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	See MW 2D Spin casing to 23'	☐	☐	☐
2		☐	☐	☐
3		☐	☐	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soll Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNw/OVA (ppm)	Comments
16											
17											
18											
19											
20											
21											
22											
23											
24					10	1	93	90		0	
25											
26					17	2	90	66		0	
27											
28											
29											
30											
31											
32					21	3	106	93		0	
33											
34											
35											
36					17	4	95	100		0	
37											
38											
39											
40											
41											
42					22	5	106	100		0	
43											
44											

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
16		☐	☐	☐
17		☐	☐	☐
18		☐	☐	☐
19	see MW 2D for overburden	☐	☐	☐
20		☐	☐	☐
21		☐	☐	☐
22		☐	☐	☐
23	23.0 - 25.0'	☐	☐	☐
24	Dolomite - Lt gray, fine grained	☐	☐	☐
25	thinly bedded, well cemented, granular	☐	☐	☐
26	in appearance, minor vertical fracture	☐	☐	☐
27	23.0 - 23.5 ^{29.5}	☐	☐	☐
28	25.0 - ~~30.0~~ - Dolomite - continued open	☐	☐	☐
29	weathered Fractures, minor 45°	☐	☐	☐
30	fractures	☐	☐	☐
31	29.5 - 34.8 Dolomite, RQD is up-well	☐	☐	☐
32	consolidated zone between upper	☐	☐	☐
33	and lower water bearing zones	☐	☐	☐
34		☐	☐	☐
35	34.8 - 40' - Dolomite, minor carbonaceous	☐	☐	☐
36	content	☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41	40 - 45 - Dolomite continues	☐	☐	☐
42	appearance of anhydrite at 42'	☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
46											
47					18	6	102	100		0	
48											
49											
50											
51											
52					16	7	100	90		0	
53											
54											
55											
56											
57					23	8	100	100		0	
58											
59											
60											
61											
62											
63											
64											
65											
67											
68											
69											
70											
71											
72											
73											
74											
75											

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46	45-50 - Dolomite, continued anhydrite fracture fillings	☐	☐	☐
47		☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50	50-55 - Dolomite as above some weathered horizontal Fracture	☐	☐	☐
51		☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54	55-60 - Dolomite, some weathered horizontal Fractures	☐	☐	☐
55		☐	☐	☐
56		☐	☐	☐
57		☐	☐	☐
58		☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61		☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65		☐	☐	☐
66		☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70		☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Dearcop Farm

DATE 3/17/93 - 3/23/93

LOCATION Gates NY

WELL NO. MW2D(N)

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

- The static volume will be calculated using the formula:

$$V = Tr^2 (0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches; and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 4.14 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 36'

WELL DEPTH (TD) 61.68'

COLOR Black/Gray

ODOR Organic odor

CLARITY Very Turbid > 200 NTU's

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) DRY

WELL DEPTH (TD) 61.68'

COLOR Black/gray

ODOR Organic odor

CLARITY Very Turbid > 200 NTU's

DESCRIPTION OF DEVELOPMENT TECHNIQUE

2" Pump on 3/17

boiler on 3/19, 3/22, 3/23

$$MWZD(N)$$

03/17/93

03/18/93

03/19/93

NOTE: PARTIALLY COPIED from Groundwater Log #1 Pg 8

DEVELOPED BY: J Doerr / J Herman

DATE 3/17-3/19/93

$$MWZD(N)$$

3/22

recycled paper

[Illegible handwritten text]

$$M_{W2D}(N)$$

3/23

J. Deen / J. Herman

DATE 03/23/93

WELL DEVELOPMENT - PARAMETER MEASUREMENTS

$3008 \text{ gals} = 1 \text{ well vol}$

 $MW_2 D(N)$ [illegible]

~~DEVELOPED BY:~~

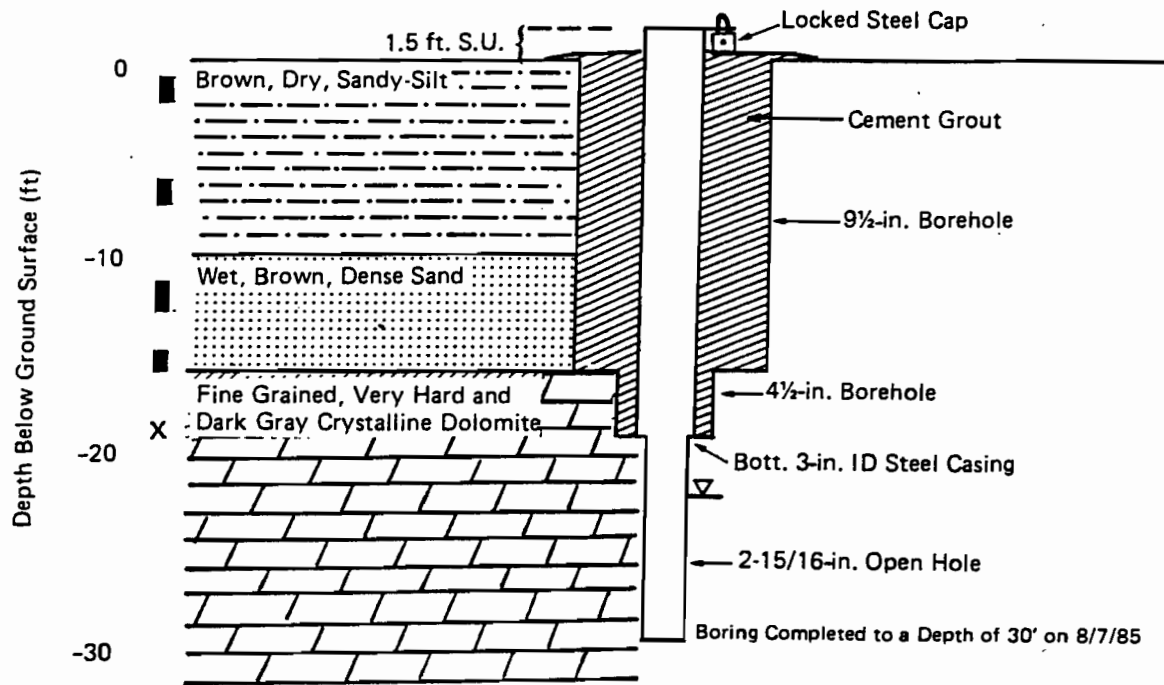
Purged by J. Deans, T. Abrey

DATE _____

3/25/92

recycled paper

ROCK WELL DR-3



KEY

■ Soil Interval Sampled by Standard Split Spoon

▽ Static Water Level Measured on 7/8/85.

X Cuttings Sample Collected

Figure 3-4. Boring log and schematic for Well DR-3 at the Dearcop Farm site.

WELL DEVELOPMENT - PARAMETER MEASUREMENTS

$$1 \text{ well vol.} = 1.86 \text{ gals} \times 3 = 5.58 \text{ gals}$$
[illegible]

DEVELOPED BY: Purged by J. Doerr & T. Abrey

DATE 3/25/93



DRILLING LOG FOR MW30

Project Name Deerpark Farm

Site Location Gates NY

Date Started/Finished 12-15-92/12-17-92

Drilling Company Parrott-Wolf

Driller's Name M. Beck

Geologist's Name John Doerr

Geologist's Signature John Doerr

Rig Type (s) Mobil B 56

Drilling Method (s) HSA/rotary core

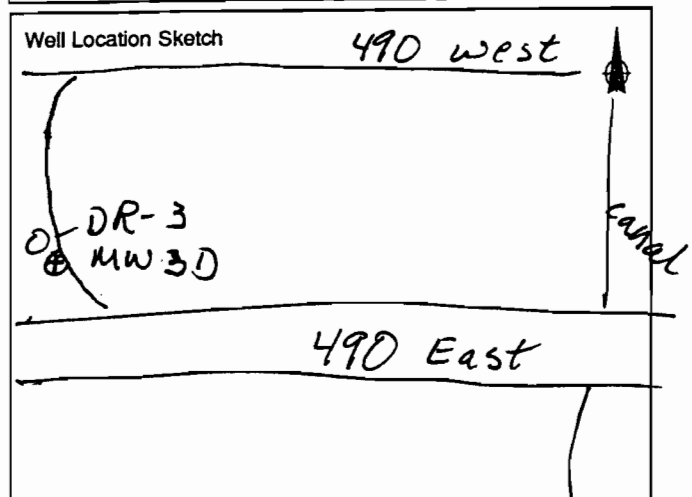
Bit Size (s) HX/NX Auger Size (s) 4 1/4" ID

Auger/Split Spoon Refusal 22.5

Total Depth of Borehole Is 23.5

Total Depth of Corehole Is 81.75

Water Level (TOIC)		
Date	Time	Level(Feet)



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1	1	6 16	SE				80%			0	
2	1	11 10									
3	2	10 6					75%			3	
4	2	4 3									
5	3	4 3					60%			4 1/2	methanol unknown
6	3	1 2									
7	4	3 6					75%			450	methanol
8	4	9 12								50	unknown
9	5	5 10	SE				90			100/100	all methanol
10	5	7 8									
11	6	4 25					90			100	
12	6	15 14								100	
13	7	22 25	Till p				100%			210	
14	8	35 39									

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole _____ inches
Diameter _____ ft

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand
☐ Gravel
☐ Natural

Bottom of Screen at _____ ft

SCREENED WELL

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____
 Top of Sand Pack _____
 Screen Slot Size _____
 Screen Type
☐ PVC
☐ Stainless Steel

Bottom of Hole at _____ ft

Bottom of Sandpack at _____

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material PVC

Inner Casing Inside Diameter 3 inches

Top of Grout _____ ft

Bottom of Outer Casing 81.75 ft BGs

Borehole Diameter 0.3 ft

Bedrock 225 ft

Bottom of Rock Socket/Grout/Casing 81.75 ft

Corehole Diameter NX

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

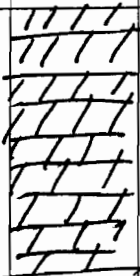
Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0.0-2.0 - Fill, fine silty sand, as on surface, massive, dry, light Brn, minor road bed gravel	⊗	○	○
2		⊗	○	○
3	2.0-4.0 - Fill as above	⊗	○	○
4	4.0-6.0 - Fill, as above	⊗	○	○
5	6.0-7.0 - Fill	⊗	○	○
6	7.0-8.0 - DK Brn to Black silt, minor organic debris, ash particles minor slag	⊗	○	○
7		⊗	○	○
8	8.0-10 - DK Brn to Black landfill material, as above	○	⊗	○
9		○	⊗	○
10	10-11.5 - Sand, fine, minor clay, rusty brn, sandred brn, massive dry -	⊗	○	○
11		⊗	○	○
12	11.5-12 - Silty Sand, fine clay, moderate angular dolomite frags, sand red brn with clay traction	⊗	○	○
13		⊗	○	○
14		⊗	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR				Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
16	8	33 50/4	Till							60%			7	
17	9	25 55	Till										3	
18		54 32	Till										0	
19	10	44 50/3	Till											
20			Till											
21			Till											
22			Till											
23			Till					23.5					0	
24			Till						1					
25			Till							98	68			
26			Till							88				
27			Till					34 min					0	
28			Till											
29			Till											
30			Till					30.4						
31			Till											
32			Till						2	97	100		0	
33			Till					20 min						
34			Till											
35			Till							35.6				
36			Till											
37			Till										1	
38			Till					21 min	3	99	100		~~0~~	
39			Till											
40			Till							40.8				
41			Till											
42			Till					31 min	4	99	98		0	
43			Till											
44			Till											

Depth (feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
16	12-14- Till, Red Brn to gray, mottled with yellow	☒	☐	☐
17	brn, med sand nodules, silty sand with	☒	☐	☐
18	minor clay occasional dolomite	☒	☐	☐
19	14-15.8 Till as above	☐	☐	☐
20	16-17.3- Till, as above, hard compact	☐	☐	☐
21	18-19.5- Till as above	☐	☐	☐
22	20-22.5- Till - Bedrock at 22.5	☐	☐	☐
23	23.5- 30.4 - Dolomite, DK Lt gray, DK	☐	☐	☐
24	gray when wet, Fine grained finely bedded	☐	☐	☐
25	hard, competent, minor thin dk gray	☐	☐	☐
26	carbonaceous partings, horizontal to	☐	☐	☐
27	sub horizontal fractures, minor small	☐	☐	☐
28	vugs, open, from 26.7 to 28.4	☐	☐	☐
29		☐	☐	☐
30		☐	☐	☐
31	30.4-35.6- Dolomite as above	☐	☐	☐
32		☐	☐	☐
33		☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36	35.6- 40.8 Dolomite as above	☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41	40.8- 45.8 Dolomite as above	☐	☐	☐
42	2° calcite vug filling at 43.7	☐	☐	☐
43		☐	☐	☐
		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
46											
47					31	5	98	98	1	0	
48					min				1		
49									1		
50											
51						6	99	74	11		
52									11		
53					21				1	0	
54					min				11		
55									11		
56									11		
57					28				11		
58					min	7	98	80	11	0	
59									11		
60									11		
61											
62					20				1		
63					min	8	98	80	1	0	
64									1		
65									1		
66											
67									1		
68					21	9	100	94	11	0	
69									11		
70									11		
71									11		
72					28	10	98	64	11	3	
73									11		
74									11		
75									11		

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46	46.2-50.8 Dolomite, as above	☐	☐	☐
47		☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50	50.8-55.8 - Dolomite, as above	☐	☐	☐
51		☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54	55.8-60.55 - Dolomite	☐	☐	☐
55		☐	☐	☐
56		☐	☐	☐
57		☐	☐	☐
58	60.55-65.15	☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61		☐	☐	☐
62	~~60.55-60.55~~ Dolomite continues	☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65		☐	☐	☐
66	65.15-70.23 - Dolomite - 2° mineralization, calcite, occurs, vug filling, along bedding plane fractures	☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70	70.23-75.33 - Dolomite as above	☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74	2° Calcite as above	☐	☐	☐
75		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
77					34	11					
78							67%	62		2	
79											
80											
81											
82											
83											
84											
85											
86											
87											
88											
89											
90											
91											
92											
93											
94											
95											
96											
97											
98											
99											
100											
101											
102											
103											
104											
105											

Depth (feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
77	75.33 - 81.75 - Dolomite continued	☐	☐	☐
78		☐	☐	☐
79		☐	☐	☐
80		☐	☐	☐
81		☐	☐	☐
82		☐	☐	☐
83		☐	☐	☐
84		☐	☐	☐
85		☐	☐	☐
86		☐	☐	☐
87		☐	☐	☐
88		☐	☐	☐
89		☐	☐	☐
90		☐	☐	☐
91		☐	☐	☐
92		☐	☐	☐
93		☐	☐	☐
94		☐	☐	☐
95		☐	☐	☐
96		☐	☐	☐
97		☐	☐	☐
98		☐	☐	☐
99		☐	☐	☐
100		☐	☐	☐
101		☐	☐	☐
102		☐	☐	☐
103		☐	☐	☐
104		☐	☐	☐
105		☐	☐	☐

recycled paper

WELL NO. 73
 SECTION NO. NW 33 D



DRILLING LOG FOR MW3D (N)

Project Name Dearcop Farm

Site Location Gates NY

Date Started/Finished 3/8/93-3/9/93

Drilling Company Parrott Wolff

Driller's Name Mark Beck

Geologist's Name John Doerr

Geologist's Signature John Doerr

Rig Type (s) Mobile B56

Drilling Method (s) HSA/Rotary Core

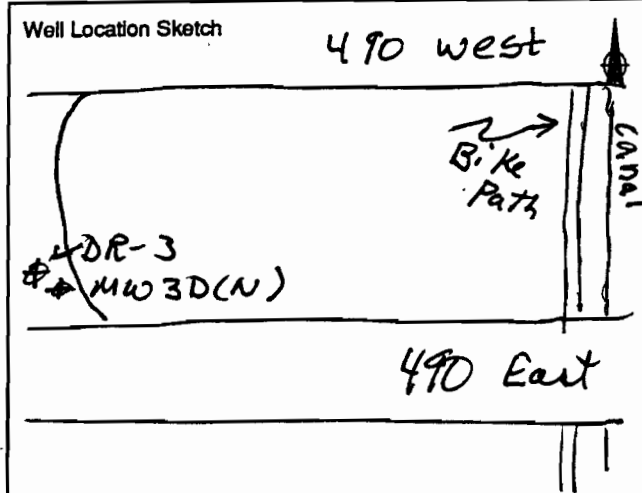
Bit Size (s) HX 3 7/8 Auger Size (s) 4 1/4 ID

Auger/Split Spoon Refusal 23.5

Total Depth of Borehole Is ~~62.25~~ 23.5

Total Depth of Corehole Is 62.25

Water Level (TOIC)		
Date	Time	Level(Feet)

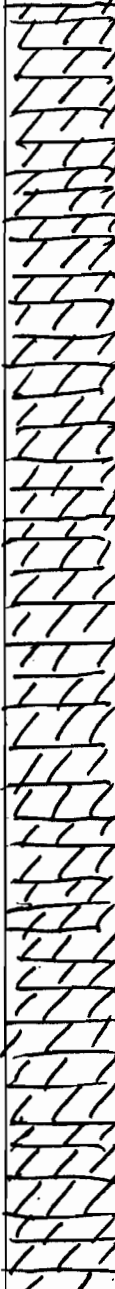
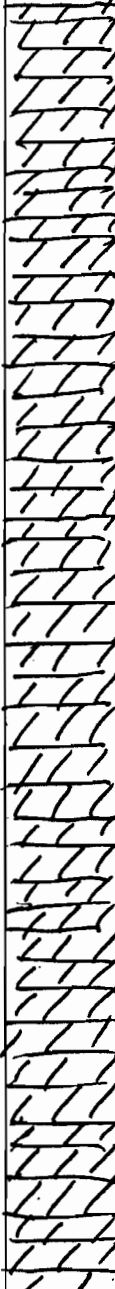
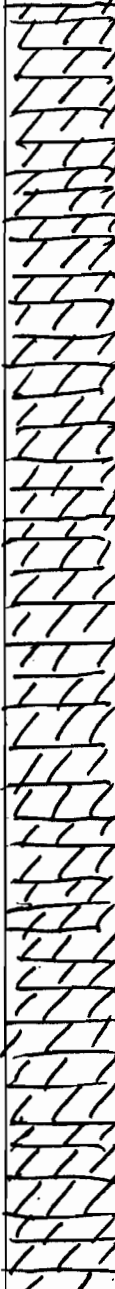
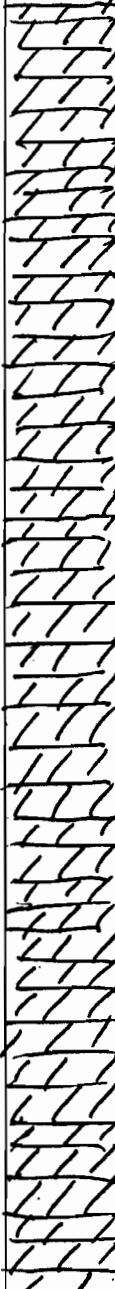
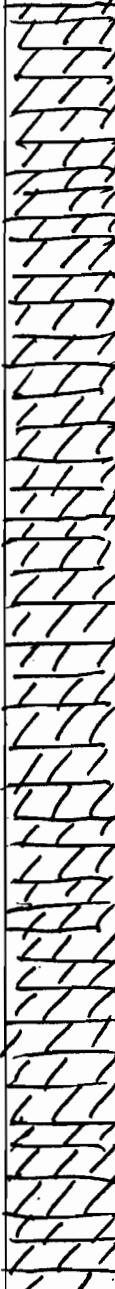


Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1			See MW 3D								
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

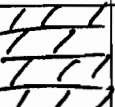
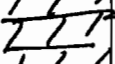
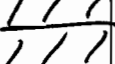
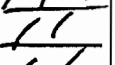
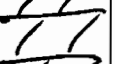
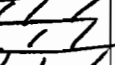
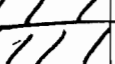
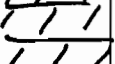
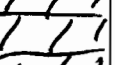
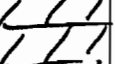
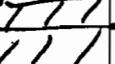
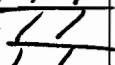
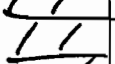
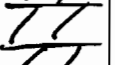
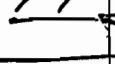
SCREENED WELL	GROUND SURFACE	OPEN-HOLE WELL
Stick-up _____ ft Inner Casing Material <u>PVC</u> Inner Casing Inside Diameter <u>2</u> inches	Lock Number <u>2537</u>	Stick-up _____ ft Inner Casing Material _____ Inner Casing Inside Diameter _____ inches
Top of Grout _____ ft Borehole <u>10</u> inches Diameter _____ ft Top of Seal at <u>37.7</u> ft Bottom of Seal at <u>44.8</u> ft Top of Screen at <u>42.5</u> ft Pack Type/Size: ☒ Sand _____ ☐ Gravel _____ ☐ Natural _____ Bottom of Screen at <u>62.25</u> ft	Quantity of Material Used: Bentonite Pellets <u>1/2 Bag</u> Cement _____ Cement/Bentonite _____ Grout _____ Top of Sand Pack <u>44.8</u> Screen Slot Size <u>0.010</u> Screen Type _____ ☒ PVC _____ ☐ Stainless Steel _____ Bottom of Hole at <u>62.25</u> ft Bottom of Sandpack at <u>62.25</u> ft	Top of Grout _____ ft Bottom of Outer Casing _____ ft Borehole Diameter _____ ft Bedrock _____ ft Bottom of Rock Socket/Grout/Casing _____ ft Corehole Diameter _____ Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	S & P MWD	☐	☐	☐
2		☐	☐	☐
3		☐	☐	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐

Depth(feet)	Sample Number	Drawn by Sampler	Components CL SL S GR	Rock Profile	Times	Number	Recovery	RDU	Sketch	(ppm)	Comments
16											
17											
18											
19											
20											
21											
22											
23											
24											
25					19	1	93	83	— — — —	0	
26											
27											
28											
29					27	2	97	94	— — — —	0	
30											
31											
32											
33											
34					28	3	106	100	— — — —	0	
35											
36											
37					19	4	102	94	— — — —	0	
38											
39											
40											
41											
42											
43					17	5	94	74	— — — —	0	
44											

		Dry	Moist	Wet
16	Auger and spin casing to 23.5'	☐	☐	☐
17		☐	☐	☐
18		☐	☐	☐
19		☐	☐	☐
20		☐	☐	☐
21		☐	☐	☐
22		☐	☐	☐
23		☐	☐	☐
24	23.5-27.0 - Dolomite, lt gray weathered fine grained, finely bedded, minor thin perturbed carbonaceous, black to dk gray partings, open weathered horizontal to sub-horizontal Fractures	☐	☐	☐
25		☐	☐	☐
26		☐	☐	☐
27		☐	☐	☐
28		☐	☐	☐
29	27.0-32.0 Dolomite, as above	☐	☐	☐
30		☐	☐	☐
31		☐	☐	☐
32	32.0-37.0 Dolomite, 1 st appearance of 2 ^o anhydrite at 35.3'	☐	☐	☐
33		☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36		☐	☐	☐
37	37.0-42.0- Dolomite, continues	☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42	42.0-47.0 Dolomite with some 2 ^o anhydrite, in bedding plane Fractures and in vug filling	☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components				Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
			CL	SL	S	GR								
46								17	5				0	
47														
48														
49								18	6	102	89		0	
50														
51														
52														
53														
54								16	7	98	100		0	
55														
56														
57														
58														
59														
60								24	8	94	80		0	
61														
62														
63														
64														
65														
67														
68														
69														
70														
71														
72														
73														
74														
75														

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46		☐	☐	☐
47		☐	☐	☐
48	47.0-52.0 Dolomite continues	☐	☐	☐
49		☐	☐	☐
50		☐	☐	☐
51		☐	☐	☐
52	52.0-57.0 - Dolomite, as above	☐	☐	☐
53		☐	☐	☐
54		☐	☐	☐
55		☐	☐	☐
56		☐	☐	☐
57		☐	☐	☐
58	57.0-62.25 Dolomite as above	☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61		☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65		☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70		☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deacop Farm

DATE 3/24

LOCATION Gates, NY

WELL NO. mw-3D(N)

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.
- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.
- The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 4.11 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 38.11'

WELL DEPTH (TD) 63.34'

COLOR _____

ODOR _____

CLARITY turbid > 200

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 39.50'

WELL DEPTH (TD) 63.34'

COLOR _____

ODOR _____

CLARITY Clear 6.26 NTU'S

DESCRIPTION OF DEVELOPMENT TECHNIQUE 2" submersible pump

MW 30 (N)

DEVELOPED BY:

recycled paper

B-77

WELL DEVELOPMENT - PARAMETER MEASUREMENTS

$MW\ 3D(N)$

4.15 gal = 1 well vol X 3 = 12.45

[illegible]

DEVELOPED BY: Purged by J. Doerr & T. Abrey

DATE 3/25/93



DRILLING LOG FOR MW-415

Project Name Dearcop Farm
Site Location Gates NY

Date Started/Finished 1-4-93 to 1-8-93

Drilling Company Parratt Wolff

Driller's Name Mark Beck

Geologist's Name J. Doering

Geologist's Signature [Signature]

Rig Type (s) Mobil B-56

Drilling Method (s) HSA/Rotary Core

Bit Size (s) HV Auger Size (s) 4 1/4 ID

Auger/Split Spoon Refusal 19.3 / 24.0

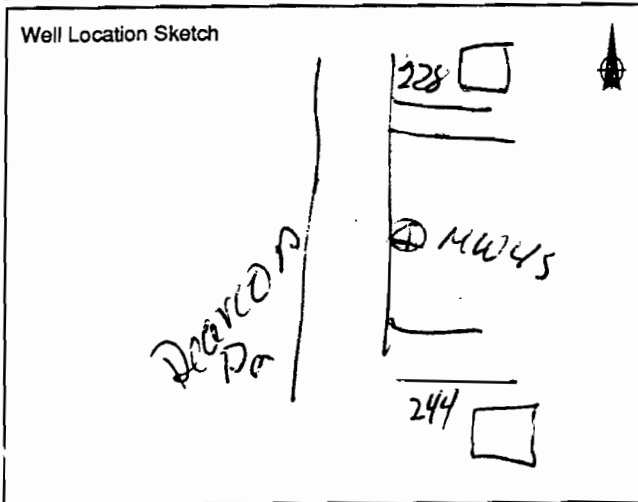
Total Depth of Borehole Is 24.1' BGS

Total Depth of Corehole Is 39.65' BGS

Water Level (TOIC)

Date	Time	Level (Feet)

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components				Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
			CL	SL	S	GR								
1	1	12 7								60%			0	
2		10 6												
3	2	5 4											0	
4		4 3								90%				
5	3	2 2								85			0	
6		4 6												
7	4	16 18								95			0	
8		18 20												
9		9 9								80			0	
10	5	9 12												
11	6	6 7								85			0	
12		10 13												
13	7	11 14								75			0	
14		16 18												
		3 15												

Stick-up _____ ft

SCREENED WELL

Inner Casing Material PVCLock Number 2537

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter 2 inches

Inner Casing Inside Diameter _____ inches

GROUND SURFACE

Top of Grout 0.5 ftBorehole 10 inches Diameter _____ ftTop of Seal at 9.8' ftBottom of Seal at 11.8 ftTop of Screen at 14.55 ft

Pack Type/Size:

☒ Sand 3 Bags
☐ Gravel
☐ Natural
Bottom of Screen at 39.55 ft

Quantity of Material Used:

Bentonite Pellets 1/2 BagCement 3 Bags

Cement/Bentonite _____

Grout ~ 20 gallonsTop of Sand Pack 11.8Screen Slot Size 0.010Screen Type Slot☒ PVC 0.010☐ Stainless SteelBottom of Hole at 39.55 ftBottom of Sandpack at 39.55

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0.0-0.3 - Asphalt	☒	☐	☐
2	0.3-1.8 - Fill, red brn, dry, road bed	☒	☐	☐
3	1.8-2.0 - silt, brn, Fine, soft dry, minor organics	☒	☐	☐
4	2.0-3.8 - Silty sand, brn, finely bedded	☐	☒	☐
5	Rhythmic, darker fine partings - dry	☐	☐	☒
6	3.8-4.0 - as above but with angular	☐	☐	☒
7	gravel - saturated	☐	☐	☒
8	4.0-6.0 - Like sands as 2-4' but increasing	☐	☐	☒
9	gravel from minor to moderate	☐	☐	☒
10	6.0-8.0 - as above	☐	☐	☒
11	8.0-10.10 - continues	☐	☐	☒
12	10.0-12.0 - continues	☐	☐	☒
13	12.0-13.3 - continues	☐	☒	☐
14	13.3-14.0 - Fine sand, well bedded	☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
16	8	26 50					—			0	
17	9	9 11					100			0	
18		20 34					—				
19		10 47					10			0	
20		59									
21											
22											
23											
24											
25											
26					21 min	1	99 76			0	
27											
28											
29											
30											
31											
32					24 min	2	99 60			0	
33											
34											
35											
36											
37					25	3	99 92			0	
38											
39											
40											
41											
42											
43											
44											

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Content		
		Dry	Moist	Wet
16	competent, moist brn	☐	☒	☐
17	14.0-16.0 Sand, fine, well bedded with	☐	☒	☐
18	gravel partings, angular to sub rounded	☐	☒	☐
19	rock frags, moderate	☒	☐	☐
20	16.0-18.0 - Sand, brn to dk brn, csc, many	☒	☐	☐
21	small rounded to sub-round pebbles,	☐	☐	☐
22	beach deposits, no fines - saturated	☐	☐	☐
23	18.0-19.3 as above - Spoon refusal ^{sample} MW45	☐	☐	☐
24	19.3 to 24.0 - Till	☐	☐	☐
25	24.4-29.5' Dolomite, lt gray, Fine grained	☐	☐	☐
26	competent, finely bedded, minor	☐	☐	☐
27	carbonaceous partings, minor bedding	☐	☐	☐
28	plane fractures, horizontal to sub	☐	☐	☐
29	horizontal, weathered along fractures	☐	☐	☐
30	29.5-34.5 - Dolomite - as above	☐	☐	☐
31	Clay filled heavily weathered zone	☐	☐	☐
32	32.0-32.1	☐	☐	☐
33	34.5-39.5 - Dolomite	☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36		☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42		☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Danvers Farm

DATE 2-16-93

LOCATION Gates, NY

WELL NO. MW-45

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

• Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

• The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

• The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 2.86 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 21.5

WELL DEPTH (TD) 39.0

COLOR dark brown

ODOR _____

CLARITY Turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) _____

WELL DEPTH (TD) _____

COLOR _____

ODOR _____

CLARITY Turbid

DESCRIPTION OF DEVELOPMENT TECHNIQUE bailey

mw-4 S

Transferred from logbook #4, pg 3 (GW samp/mg)

DATE 2-16-93



DRILLING LOG FOR MW4D

Project Name Dearcop Farm

Site Location Gates NY

Date Started/Finished 1-22-93/1-27-93

Drilling Company Parrott Wolf

Driller's Name Mark Beck

Geologist's Name John Doerr

Geologist's Signature John Doerr

Rig Type (s) Mobile B-56

Drilling Method (s) HSA/Rotary Core

Bit Size (s) 4x 3 7/8 Auger Size (s) 4 1/4

Auger/Split Spoon Refusal 24'

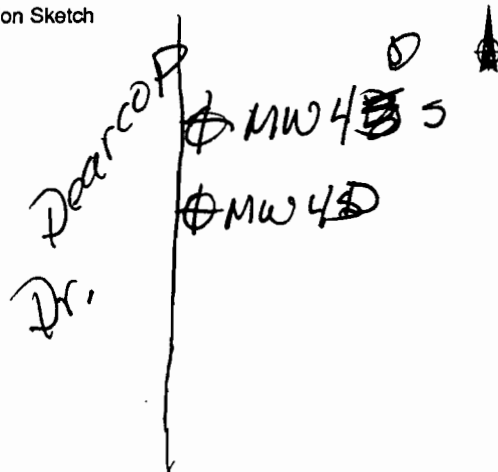
Total Depth of Borehole Is 24'

Total Depth of Corehole Is 95' 91.6

Water Level (TOIC)

Date	Time	Level (Feet)
<u>1-26-93</u>	<u>1159</u>	<u>30.95</u>

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

Stick-up _____ ft

SCREENED WELL

Inner Casing Material PVCLock Number 2537Inner Casing Inside Diameter 2 Inches

Top of Grout _____ ft

Borehole 10 Inches
Diameter _____ ftTop of Seal at 39.9 ftBottom of Seal at 43.8Top of Screen at 45 ft

Pack Type/Size:

- ☒ Sand
☐ Gravel
☐ Natural

Bottom of Screen at 65.00 ft

Quantity of Material Used:

Bentonite
Pellets _____

Cement _____

Cement/
Bentonite _____

Grout _____

Top of Sand Pack 42.8Screen Slot Size 0.010

Screen Type _____

- ☒ PVC
☐ Stainless Steel

Bottom of Hole at 95.91.6 ftBottom of Sandpack at 65.7

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ Inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/
Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

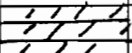
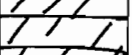
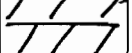
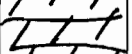
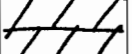
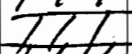
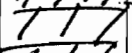
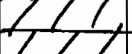
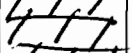
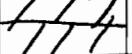
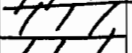
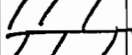
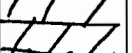
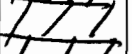
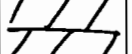
Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1		○	○	○
2		○	○	○
3		○	○	○
4		○	○	○
5		○	○	○
6		○	○	○
7		○	○	○
8		○	○	○
9		○	○	○
10		○	○	○
11		○	○	○
12		○	○	○
13		○	○	○
14		○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNU/OVA (ppm)	Comments
16											
17											
18											
19											
20											
21											
22											
23											
24											
25				24.5'	11	1	100	52	~	0	
26									~		
27						*			—		
28									—		
29					24	2	100	94	—	0	
30									—		
31											
32									—		
33									—		
34					37	3	100+50		—	0	
35									—		
36									—		
37									—		
38									—		
39					28	4	106	77	—	0	
40									—		
41									—		
42									—		
43					2	5	92	100	—	0	
44									—		

		D	N	V
16		☐	☐	☐
17		☐	☐	☐
18		☐	☐	☐
19		☐	☐	☐
20		☐	☐	☐
21		☐	☐	☐
22		☐	☐	☐
23		☐	☐	☐
24	24.5-26.8- Dolomite, light gray, weathered	☐	☐	☐
25	occasional, dk gray to black carbonaceous	☐	☐	☐
26	shaley (?) partings, uneven, bioperturbed or	☐	☐	☐
27	slumped, open weathered, sub horizontal	☐	☐	☐
28	ragged Fractures	☐	☐	☐
29	26.8-31.8. Dolomite as above,	☐	☐	☐
30	no weathering, Hi competency	☐	☐	☐
31		☐	☐	☐
32	31.8-35.8- Dolomite, large rugal	☐	☐	☐
33	35.2- 2° Anhydrite & Calcite	☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36		☐	☐	☐
37	36.8-41.8, Dolomite as above	☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42	41.8-46.8 Dolomite continued	☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
46					21	3	92	100	—	0	
47									—		
48									—		
49					18	6	100	94	—	0	
50									—		
51									—		
52									—		
53									—		
54					23	7	106	100	—	0	
55									—		
56									—		
57									—		
58					23	8	100	91	—	0	
59									—		
60									—		
61									—		
62									—		
63									—		
64					27	9	104	94	—	0	
65									—		
67									—		
68									—		
69					45	10	100	72	—	0.5	
70									—		
71									—		
72									—		
73					17	11	100	96	—	0	
74									—		
75									—		

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46	46.8-51.6, Dolomite continued	☐	☐	☐
47		☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50		☐	☐	☐
51	51.6-56.6 Dolomite - continues	☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54		☐	☐	☐
55		☐	☐	☐
56	56.6-61.6 - Dolomite, as above 1° appearance 2° Anhydrite at 61.4' open, broken, weathered Fracture at 59.8'	☐	☐	☐
57		☐	☐	☐
58		☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61	61.6-66.6 - Dolomite, as above	☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65	66.6-71.6 - Dolomite, occasional 2° Anhydrite	☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70	71.6-76.6 - Dolomite as above	☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
77											
78											
79					18	12	98	82		0.5	
80											
81											
82											
83											
84					16	13	100	100		7	
85											
86											
87											
88											
89					21	14	102	80		1	
90											
91											
92											
93											
94											
95											
96											
97											
98											
99											
100											
101											
102											
103											
104											
105											

Depth (feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
77	76.6-81.6- Dolomite continues	☐	☐	☐
78		☐	☐	☐
79		☐	☐	☐
80		☐	☐	☐
81		☐	☐	☐
82	81.6-86.6- Dolomite as above	☐	☐	☐
83	as above, increase in anhydrite	☐	☐	☐
84		☐	☐	☐
85		☐	☐	☐
86		☐	☐	☐
87	86.6-91.6- Dolomite continues	☐	☐	☐
88		☐	☐	☐
89		☐	☐	☐
90		☐	☐	☐
91		☐	☐	☐
92		☐	☐	☐
93		☐	☐	☐
94		☐	☐	☐
95		☐	☐	☐
96		☐	☐	☐
97		☐	☐	☐
98		☐	☐	☐
99		☐	☐	☐
100		☐	☐	☐
101		☐	☐	☐
102		☐	☐	☐
103		☐	☐	☐
104		☐	☐	☐
105		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deercep Farm

DATE 2/4/93

LOCATION Gates, NY

WELL NO. mn-4D

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

• Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

• The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

• The static volume will be calculated using the formula:

$$V = Tr^2 (0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r^2h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = _____ gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 34-6.3

WELL DEPTH (TD) 64-9.6 TOIC

COLOR clear

ODOR W/PT

CLARITY clear

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) _____

WELL DEPTH (TD) _____

COLOR turbidity meter malfunctioning

ODOR < 50 CF

CLARITY 12 NTU's at time of sampling on 2/5/93 - based upon visual observations

DESCRIPTION OF DEVELOPMENT TECHNIQUE

2" submersible pump

MW 4D

3 well vol = 15 gal

✓ 6 PPM inside drum
pH meter Engineered syst.
and designs (DR4)
S/N PH64974

Conductivity meter
S/N Cond 76025
Same brand as above
manufacturer

Pumped Dry
Pumped Dry
Pumped Dry
Pumped Dry

DEVELOPED BY: G. Flentina / J. Dunn / J. Herman

DATE 2/4/93



DRILLING LOG FOR

MW 55

Project Name DEARCOP FARMSSite Location ROCHESTER, NY

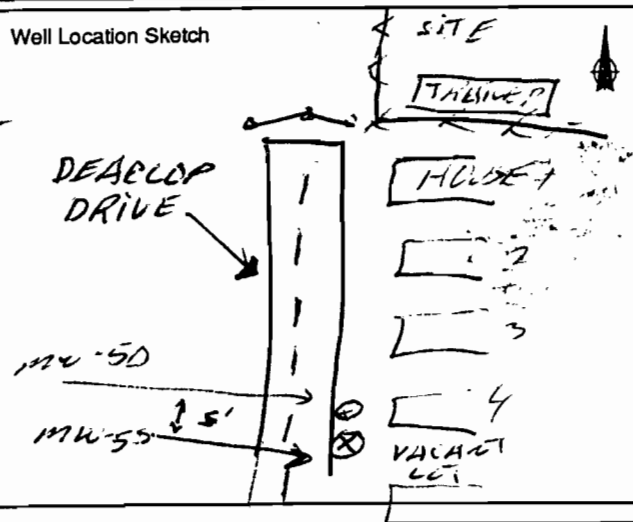
(TOWN OF GATE)

Date Started/Finished 12/28/92 12-28-92Drilling Company PACIFIC/WOLFFDriller's Name MARKGeologist's Name JIM RICHETTGeologist's Signature Jim RichettRig Type(s) MOBILE DRILLDrilling Method(s) HUGERT COREBit Size(s) HX Auger Size(s) 4 1/4" IDAuger/Split Spoon Refusal 11'Total Depth of Borehole Is 11'Total Depth of Corehole Is 26.3'

Water Level (TOIC)

Date	Time	Level (Feet)
12-28-92	1600	16.30' BGS

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1					10.70	10.30					1030 BEGIN AUGERT
2											
3											
4					10.05						
5					11.15						
6											
7											
8											
9											
10					10.55						10' REFUSAL
11					12.18	11.35					
12							3.65				4' RUN
13											
14					12.35	15.3					

Stick-up 0.10 ft

SCREENED WELL

Lock Number _____

Inner Casing Material PVC

Inner Casing Inside Diameter 2 inches

Top of Grout 0 ft

Borehole Diameter 8 inches

Top of Seal at 2 ft

Bottom of Seal at 4 ft

Top of Screen at 6.3 ft

Pack Type/Size:
☒ Sand
☐ Gravel
☐ Natural

Bottom of Screen at 26.3 ft

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets 1 BG
 Cement 3 BG
 Cement/Bentonite 0
 Grout 0

Top of Sand Pack 4 ft

Screen Slot Size 0.010"

Screen Type SLOTTED
☒ PVC
☐ Stainless Steel

Bottom of Hole at 26.3 ft

Bottom of Sandpack at 26.3 ft

OPEN-HOLE WELL

Stick-up 0.10 ft

Inner Casing Material PVC

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

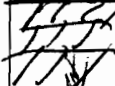
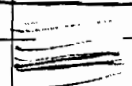
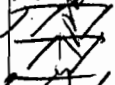
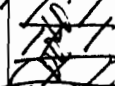
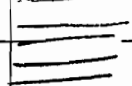
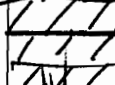
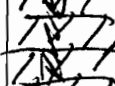
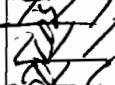
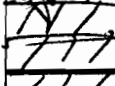
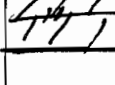
Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	REFUSAL RETAINS A/P E BROWN	○	●	○
2	WITHIN CLAYEY SILT, DAMP, SILTY CLAY	○	●	○
3		○	●	○
4		○	●	○
5	5-10' SAME AS ABOVE	○	●	○
6	REFUSAL AT 10.0'	○	●	○
7	STOP TO CORE. HX SIZE	○	●	○
8	CORE RUN #1 11.3 TO 15.3'	○	●	○
9		○	●	○
10		○	●	○
11	DOLOSTONE, DRK GRAY	○	○	○
12	COMPACT	○	○	○
13	THIN SHALE LAYERS	○	○	○
14	HARD ON THE BED	○	○	○
15	HOP. FRAC. C. L. (MECHANICAL)	○	○	○
16	CLAY FINED FRACTURE AT 12.4'	○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
16					1245						
17						2	5.2'				
18								83		0.5	PICKED UP 2' FROM RUN#1
19											WATER LOSS AT 17'
20					1312						
21					1325						
22						3	5.0	82			
23										22	
24											
25					1340						
26					1350	4	1.0	100		0	
27					1358						TD=263'
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
16	15.3 TO 20.3 (RUN#2) EXTRA	☐	☐	☐
17	RECOVERED FROM RUN#1.	☐	☐	☐
18	SAME DOLOSTONE AS RUN#1	☐	☐	☐
19	ONE VOL AT 18.5'	☐	☐	☐
20		☐	☐	☐
21	RUN#3 20.3-25.3 DOLOSTONE,	☐	☐	☐
22	COMPETENT AS ABOVE	☐	☐	☐
23	DRILLER SAYS LOST WATER AT ~17'	☐	☐	☐
24	RUN#4 25.3 TO 26.3 TOTAL DEPTH	☐	☐	☐
25	SAME AS ABOVE	☐	☐	☐
26		☐	☐	☐
27		☐	☐	☐
28		☐	☐	☐
29		☐	☐	☐
30		☐	☐	☐
31		☐	☐	☐
32		☐	☐	☐
33		☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36		☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42		☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deerap Farm

DATE 4-8-93

LOCATION Deerap DR
Gates NY

WELL NO. MW-55

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.
- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.
- The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 1.75 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
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10	4.080	0.5454	50.670	50.670 x 10 ⁻³
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20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 14.7'

WELL DEPTH (TD) 25.41

COLOR light gray/white

ODOR

CLARITY turbid 309 NTU's

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) N/A

WELL DEPTH (TD) N/A

COLOR light brown

ODOR

CLARITY med-turbid 490 NTU's

DESCRIPTION OF DEVELOPMENT TECHNIQUE

2" Stainless Steel Bender

WELL DEVELOPMENT - PARAMETER MEASUREMENTS MW-55

TIME	TOTAL VOL. WITHDRAWN		pH	COND. (umhos/cm)	TEMP. (C)	TURB. (NTU)	COMMENTS
	GALS.	BORE VOL.					
3-18-93	0		7.74	1641	10.3	Turbid	Well not developed due to low water level (i.e. 1-foot H ₂ O in well)
	1		7.71	1649	10.9	Turbid	
4-8-93							
1142	0		7.1	1184	9.0	309	Lt. gray/wh - turbid
1152	5		7.14	1193	9.2	>1000	Lt gray/brn - opaque
1152	6		7.14	1142	9.0		" " " " - DRY
1235	6		7.05	1214	9.2		W.L. = 13.95' Lt brn/gray - turbid
1306	11		7.19	1233	9.7		DRY
4-13-93							
1105	0		6.88	1215	8.2	70	Slightly turbid
1112	2		7.12	1186	7.8	>1000	Very " - brown
1116	4		7.17	1169	7.7		
1121	6		7.14	1181	8.0		
1127	8		7.16	1187	7.8		
1131	10		7.15	1196	7.9		
1139	14.5		7.23	1217	8.1		DRY
4-14-93							
0930	0		7.18	1324	7.7	100	Slightly to med. turbid, Lt. gray
0938	2		7.07	1296	7.5		Very turbid - brown
0940	4		7.11	1299	7.7		
0943	6		7.20	1309	7.8		
0945	8		7.20	1321	7.8		Slight improvement
0949	10		7.17	1325	7.8		" "
1012	12.5		7.09	1323	7.7		med - to very turbid - brown
1017	15		7.11	1314	7.9	620	Slight improvement
1019	17.5		7.20	1325	7.8	858	turbid
1023	20		7.22	1332	7.9	490	med. turbid DRY

Feb 18 transferred from logbook #4, Pg 9 (GW sampling)
 April 8 transferred from Geotech logbook, Pg 99
 April 13 " " logbook #2, Pg 7 (GW sampling)
 April 14 " " " " Pg 12 (" ")

DEVELOPED BY: G Florentino

DATE 4-8-93 - 4-14-93



DRILLING LOG FOR

MW5D

Project Name Dearcop farm
 Site Location Gates NY

Date Started/Finished 12-18-92 / 12-22-92

Drilling Company Parnott-Wolf

Driller's Name M. Beck

Geologist's Name J. Doerr

Geologist's Signature J. Doerr

Rig Type (s) Mobil B 56

Drilling Method (s) HSA / Water Rotary

Bit Size (s) HX/NX Auger Size (s) 4 1/2" ID

Auger/Split Spoon Refusal 18.2 BGS

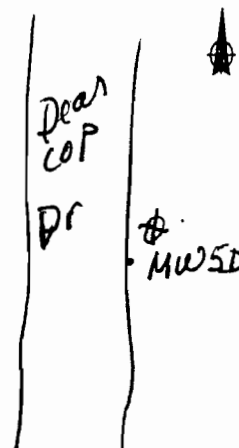
Total Depth of Borehole Is 10.2

Total Depth of Corehole Is 75.78

Water Level (TOIC)

Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1	1	5/10	SE				45			0	
2		28/10									
3	2	7/10					100			0	
4		6/4									
5	3	3/4					50			0	
6		50/4	Till								
7	4	5/6					65			0	
8		8/0									
9		8/3					80				
10	5	14/35									
11		50/4	Till								
12		4/2									
13							18	1	90	55	0
14											

Stick-up _____ ft

SCREENED WELL

Inner Casing Material _____

Lock Number _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole Diameter _____ inches

Top of Seal at _____ ft

Bottom of Seal at _____

Top of Screen at _____ ft

Pack Type/Size:
☐ Sand
☐ Gravel
☐ Natural

Bottom of Screen at _____ ft

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material PVC

Inner Casing Inside Diameter 3 inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter 0.3 ft

Bedrock 10.2 ft

Bottom of Rock Socket/
Grout/ Casing 15.18 ft

Corehole Diameter 2.78

Bottom of Corehole 1 ft

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____
 Top of Sand Pack _____
 Screen Slot Size _____
 Screen Type _____
☐ PVC
☐ Stainless Steel _____
 Bottom of Hole at _____ ft
 Bottom of Sandpack at _____

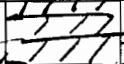
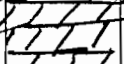
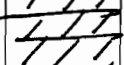
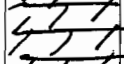
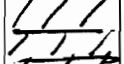
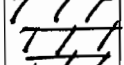
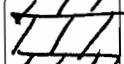
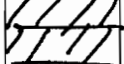
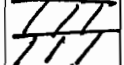
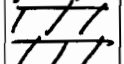
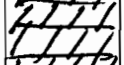
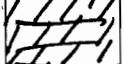
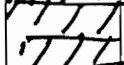
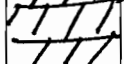
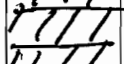
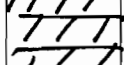
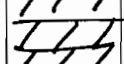
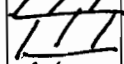
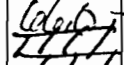
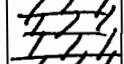
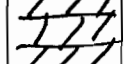
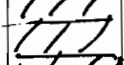
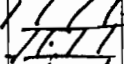
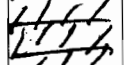
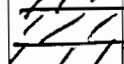
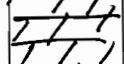
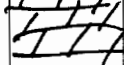
GROUND SURFACE

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0.0-0.4 Asphalt	○	○	○
2	0.4-1.2 Road bed gravel	○	○	○
3	1.2-4.0 loam DK brn, minor organics, minor rx frags	○	○	○
4	4.0-6.0 Sandy silt, brn, dry, moderate moderate red pbbly	○	○	○
5	6.0-8.0 as above, sandy silt	○	○	○
6	8.0-10.0 as above, sandy silt, brn, moist, asphalt frags moderate frags	○	○	○
7	10.0-12.0 Till, red brn, silty sand, with clay fraction, mottled with yellow brn sand, moderate angular rock frags, dry	○	○	○
8	12.0-14.0 out side of sample wet, interior dry, making water above 6.0'	○	○	○
9	14.0-16.0 Till as above	○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components				Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNU/OVA (ppm)	Comments
			CL	SL	S	GR								
16								20 min	2	100	80			
17													0	
18														
19														
20														
21														
22								18	3	94	90		2	
23														
24														
25														
26														
27								18	4	99	68		2	
28														
29														
30														
31														
32														
33								12	5	96	95		0	
34														
35														
36														
37								23	6	94	97		2	
38														
39														
40														
41														
42														
43								17	7	99	100		0	
44														

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
16	10.0-10.2 - No sample	☐	☐	☐
17	11-15.5 - Dolomite, weathered, lt gray,	☐	☐	☐
18	dk gray when wet, finely bedded, minor	☐	☐	☐
19	vugs, minor carbonaceous partings, horizontal	☐	☐	☐
20	to sub horizontal bedding Plane fractures	☐	☐	☐
21	15.5-20.5, Dolomite, & occasional large	☐	☐	☐
22	vugs, 2° calcite in vugs, fractures	☐	☐	☐
23	20.5-25.5 - Dolomite as above	☐	☐	☐
24	No vugs	☐	☐	☐
25	25.5-30.5 - Dolomite as above numerous	☐	☐	☐
26	bedding plane fractures along carbonaceous	☐	☐	☐
27	partings	☐	☐	☐
28		☐	☐	☐
29		☐	☐	☐
30	30.5-35.7 - Dolomite, as above	☐	☐	☐
31		☐	☐	☐
32		☐	☐	☐
33		☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36	35.7-40.9 - Dolomite as above	☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41	40.9-45.8 - Dolomite, as above	☐	☐	☐
42	decreasing in carbonaceous partings	☐	☐	☐
43	R&D increases	☐	☐	☐
44		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNU/OVA (ppm)	Comments
46						7					
47					19	8	99	100			
48										0	
49											
50											
51						9					
52										15	
53					23		99	100			
54					min						
55											
56											
57											
58					18 min	10	99	99		1	
59											
60											
61											
62											
63					35	11	99	67		8	
64											
65											
66											
67											
68					20	12	98	76		25	
69											
70											
71											
72											
73					4	13	99	72		71000	
74											
75											

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46	45.8 - 51.0 Dolomite, as above	☐	☐	☐
47		☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50		☐	☐	☐
51	51.0 - 56.0 - Dolomite	☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54		☐	☐	☐
55		☐	☐	☐
56	56.0 - 61.1 - Dolomite. 2° calcite occurs	☐	☐	☐
57	as occasional vug fillings	☐	☐	☐
58		☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61	61.1 - 66.0 - Dolomite, minor 2° calcite	☐	☐	☐
62	along bedding plane fractures	☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65	66.0 - 70.8 - Dolomite, as above	☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70	70.8 - 75.78 - Dolomite	☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐
76		☐	☐	☐



DRILLING LOG FOR MW5D(N)

Project Name Dearcop Farm
Site Location Gates NY

Date Started/Finished 2/28/93 - 3/1/93

Drilling Company Parratt Wolff

Driller's Name Mark Beck

Geologist's Name John Doerr

Geologist's Signature John Doerr

Rig Type (s) CME 55

Drilling Method (s) Rotary Core

Bit Size (s) 1 3/8" Auger Size (s) _____

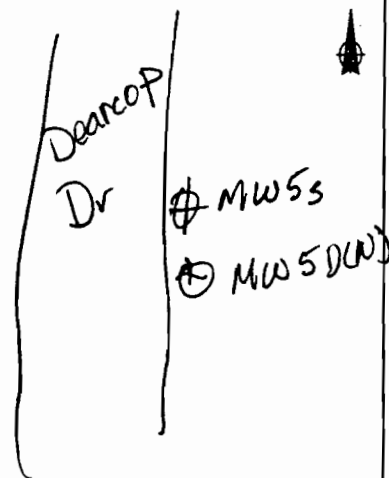
Auger/Split Spoon Refusal _____

Total Depth of Borehole Is 11.0

Total Depth of Corehole Is 50.7

Water Level (TOIC)		
Date	Time	Level (Feet)

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

Spin casing
see MW5D/5S

~~Spin casing and Ream~~
~~15 1 93 23 11 13 16~~

Stick-up _____ ft

Inner Casing Material PVC

Inner Casing Inside Diameter 2 inches

Top of Grout _____ ft

Borehole 6 inches Diameter _____ ft

Top of Seal at 31.1 ft

Bottom of Seal at 33.2

Top of Screen at 35.7 ft

Pack Type/Size:
☒ Sand
☐ Gravel
☐ Natural

Bottom of Screen at 50.7 ft

SCREENED WELL

Lock Number 2537

GROUND SURFACE

Quantity of Material Used:
 Bentonite _____
 Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____

Top of Sand Pack 33.2

Screen Slot Size 0.010

Screen Type _____
☒ PVC
☐ Stainless Steel

Bottom of Hole at 50.7 ft

Bottom of Sandpack at 50.7

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	see MW5D / 5s	☐	☐	☐
2		☐	☐	☐
3		☐	☐	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11	Spin casing & Ream 11.0 to 13.5 11.5 - 16.0 Dolomite, Lt Gray, highly weathered 13.5 to open fractures, fine grained, finely bedded, with minor to moderate dk gray carbonaceous partings, most	☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNU/OVA (ppm)	Comments
16				///	15	1	93	23	≤	0	
17				///							
18				///			92	66			
19				///	14	2				0	
20				///							
21				///							
22				///							
23				///	15	3	102	98		0	
24				///							
25				///							
26				///							
27				///							
28				///	16	4	92	50			
29				///							
30				///							
31				///							
32				///							
33				///	13	5	98	92		0	
34				///							
35				///							
36				///							
37				///							
38				///	22	6	102	93		0	
39				///							
40				///							
41				///							
42				///							
43				///	26	7	102	95		2	
44				///							

		Dry	Moist	Wet
16	Showing perturbations. Occasional vugs & cavities	☐	☐	☐
17		☐	☐	☐
18	16.0-21.0 Dolomite, as above, less weathered	☐	☐	☐
19	more competent, fractures show weathering	☐	☐	☐
20		☐	☐	☐
21	21.0-26.0 Dolomite, very uniform, as	☐	☐	☐
22	above no, vugs or cavities, occasional	☐	☐	☐
23	weathered fractures	☐	☐	☐
24		☐	☐	☐
25		☐	☐	☐
26		☐	☐	☐
27	26-31 Dolomite, moderate open	☐	☐	☐
28	weathered fractures	☐	☐	☐
29		☐	☐	☐
30		☐	☐	☐
31		☐	☐	☐
32	31-36 Dolomite, fine grained,	☐	☐	☐
33	finely bedded very uniform	☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36	36-41 Dolomite, 1 st appearance of	☐	☐	☐
37	anhydrite at 40.4, 1 st decaying -	☐	☐	☐
38	hydrocarbon, smell	☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41	~~36-41 Dolomite, 1st appearance~~	☐	☐	☐
42	~~of~~	☐	☐	☐
43	41-46 Dolomite as Run 6	☐	☐	☐
44		☐	☐	☐

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Dry	Mois	Wet
46	50.7	☐	☐	☐
47	46-52.3(?) Dolomite minor open	☐	☐	☐
48	fractures	☐	☐	☐
49		☐	☐	☐
50		☐	☐	☐
51		☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54		☐	☐	☐
55		☐	☐	☐
56		☐	☐	☐
57		☐	☐	☐
58		☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61		☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65		☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70		☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐

WELL DEVELOPMENT RECORD

NAME Deerap Farm DATE 3/23 - 4/8/93
 LOCATION Gates, NY WELL NO. MW-5D(N)

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.
- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.
- The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches; and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 3.5 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 25.22'

WELL DEPTH (TD) 46.69'

COLOR Clear

ODOR

CLARITY Clear 34-4 NTU's

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) DRY

WELL DEPTH (TD) 49.96'

COLOR Lt. gray/brown

ODOR

CLARITY Very turbid >1000 NTU's

DESCRIPTION OF DEVELOPMENT TECHNIQUE

2" submersible pump on 3/23
batter 3/25, 3/26, 4/3, and 4/8

$$MWSD(N)$$

Bentonite in bottom of well

DATE 03/23/93

MW & D N

~~3.72 gal~~ 7.37 gal

bentonite still present on bottom of well and screen

DATE 3/25/98

IMW5D(N)

1.58 gals

DEVELOPED BY:

J. Doerr & T. Abrey

DATE 3/26/93

WELL DEVELOPMENT RECORD

SITE Deering Farm

DATE 4-7-93

LOCATION Deering Drive, Gates, NY

WELL NO. MW-51 (N)

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

- The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor

which compensates for r²h factor for the conversion of the casing radius from inches

to feet, the conversion of cubic feet to

gallons, and (pi).

1 well volume (v) = 3.86 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 26.31' 4-7-93

WELL DEPTH (TD) 49.96' TOIC

COLOR light gray/white

ODOR Organic Odor - H₂S

CLARITY Turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) _____

WELL DEPTH (TD) _____

COLOR Lt. brown/Gray, very turbid

ODOR _____

CLARITY Very turbid

DESCRIPTION OF DEVELOPMENT TECHNIQUE

Add water surge, bail, add water, surge, bail (water was added due to very slow recharge)
(Purpose - remove bentonite spilled in well / clear well)

WELL DEVELOPMENT - PARAMETER MEASUREMENTS

MW-5 D(N)

TIME	TOTAL VOL. WITHDRAWN		pH	COND. (umhos/cm)	TEMP. (C)	TURB. (NTU)	COMMENTS
	GALS.	BORE VOL.					
SEE	Previous	logs					for pumping of MW-5D (12 gals total)
1000	0		7.52	1748	10.6	395	Bentonite present on barrier
1022	3.5		7.6	1801	11.5	>1000	Lt to med. gray - opaque
1025	4.0		-	-	-	-	Almost dry (2' water on bottom)
1030	ADDED 6.5 gal, then surged with surge block						
1104	Bailed 11 gal						
1109	ADDED 6.5 gal, then surged with surge block						
1145	Bailed 6 gal						
1150	ADDED 6.5 gal, then surged						
1215	Bailed 7 gal - 1st recharge						
1312	8.5*		8.03	884	13.4	23	white - cloudy pH = 7.56 Cond = 350
1315	Added 6 gal						
1345	Bailed 6 gal						
1350	Added 6 gal						
1430	Bailed 6.5 gal - waiting for recharge W.L. = NA						
1557	9*		8.49	1860	14.5	25	W.L. = 38.05 TOIC
1620	11.5*		8.80	1785	14.9	>1000	white/turbid
1605	11.5		7.55	1831	11.2	51	W.L. before pumping
1030	16		7.65	1881	13.2	395	well DRY
1130	16		7.65	1887	12.3	67.5	W.L. 40-46' slightly turbid
1138	18 1/2		7.66	1870	12.3	>1000	turbid - lt. gray
1159	18 1/2		7.85	1869	13.3	>1000	TURBID - LT. GRAY - AFTER RECHARGING
1255	18 1/2		7.68	1865	12.3	68.6	W.L. = 43.05 sl. turbid whitish
1310	20		7.72	1876	12.2	>1000	DRY Lt thin/gray - v. turbid Stopped for day

Initial reading at 1000 hours was prior to cleaning out the well. Parrott well surged and bailed wells several times using a PVC surge block and bailer. water was added to the well each time it was surged.

* Total amount of formation water removed

DEVELOPED BY: J. Dren/J. Hemen
J. Dren/T. Abrey

(C. Florentin/C. Eitz)

DATE 4-7-93

4-8-93

WELL DEVELOPMENT - PARAMETER MEASUREMENTS

$$mw-5D(n)$$

1 well vol. = 8.16 gal $\times$ 3 = 24.5 gal

[illegible]

Transferred from logbook NO. 2, Pg 7 (Groundwater / MH sampling)

DEVELOPED BY: Angel G. Florentino / J. Richard

DATE 4-13-93



DRILLING LOG FOR MW 6s

Project Name Dearcop Farm

Site Location Gates NY

Date Started/Finished 3/10/93 - 3-11-93

Drilling Company Parratt Wolff

Driller's Name Mark Beck

Geologist's Name John Doerr

Geologist's Signature John Doerr

Rig Type (s) Mobile B56

Drilling Method (s) HSA/ Rotary Core

Bit Size (s) 4x 3 7/8 Auger Size (s) 4 1/4 Id

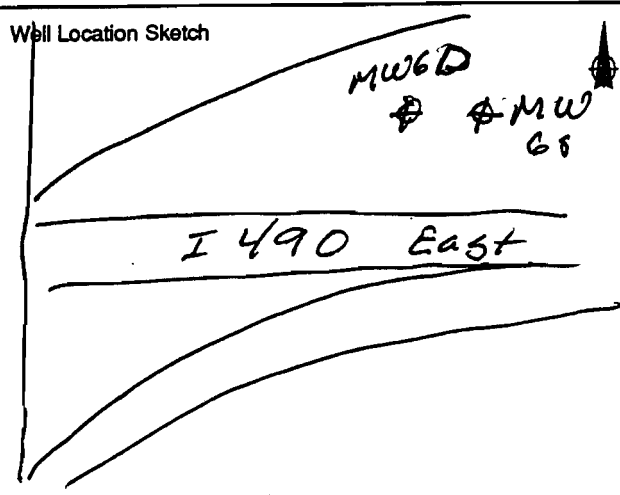
Auger/Split Spoon Refusal 28.5

Total Depth of Borehole Is 28.5

Total Depth of Corehole Is 43.85 - 44.0

Water Level (TOIC)		
Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNw/OVA (ppm)	Comments
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

Stick-up _____ ft

Inner Casing Material PVC

Inner Casing Inside Diameter 2 inches

SCREENED WELL

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
Bentonite _____
Peelers _____

Cement _____

Cement/
Bentonite _____

Grout _____

Top of Sand Pack 21.2

Screen Slot Size 0.010

Screen Type _____

☒ PVC _____

☐ Stainless Steel _____

Bottom of Hole at 43.85 ft

Bottom of Sandpack at 43.85

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/
Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

Top of Grout _____ ft

Borehole 10 inches
Diameter _____ ft

Top of Seal at 19.0 ft

Bottom of Seal at 21.2

Top of Screen at 23.85 ft

Pack Type/Size:

☒ Sand _____
☐ Gravel _____
☐ Natural _____

Bottom of Screen at 43.85 ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.

NARRATIVE LITHOLOGIC DESCRIPTION

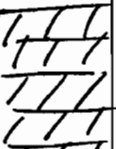
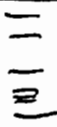
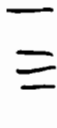
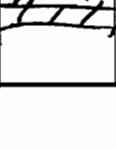
Moisture Content

Dry Moist Wet

1
2
3
4
5
6
7
8
9
10
11
12
13
14

See MWD

○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○
○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30					14	1	92	70		0	
31											
32											
33											
34					18	2	96	75		0	
35											
36											
37											
38											
39					19	3	104	100		0	
40											
41											
42											
43					15	4	96	60			
44											

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
6		☐	☐	☐
17		☐	☐	☐
18		☐	☐	☐
19		☐	☐	☐
20		☐	☐	☐
21		☐	☐	☐
22		☐	☐	☐
23		☐	☐	☐
24		☐	☐	☐
25		☐	☐	☐
26		☐	☐	☐
27	Auger	☐	☐	☐
28	spin casing, and Ream to 29'	☐	☐	☐
29		☐	☐	☐
31	29.0-31.5 Dolomite, light gray, finegrained	☐	☐	☐
32	fine texture, finely beddy, occasional	☐	☐	☐
33	dk gray to Black carbonaceous, perturbed	☐	☐	☐
34	partings, weathered,	☐	☐	☐
35	30.7-30.8 very coarse, highly weathered heavily	☐	☐	☐
36	fractured, brittle zone	☐	☐	☐
37	31.5-36.5, Dolomite, as above, continues	☐	☐	☐
38	36.5-41.5, Dolomite, as above, increase	☐	☐	☐
39	in competence, decrease in weathering	☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42	41.5-44.0 Dolomite, as above	☐	☐	☐
44		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deercamp Farm
 LOCATION Gates, NY

DATE 3/18/93
 WELL NO. mw-65

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.
- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.
- The static volume will be calculated using the formula:

$$V = Tr^2 (0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;
 and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 3.33 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 25.92'

WELL DEPTH (TD) 46.35'

COLOR brown

ODOR

CLARITY turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) NA

WELL DEPTH (TD) 46.35'

COLOR Light brown

ODOR

CLARITY Very Cloudy > 200 NTU's

DESCRIPTION OF DEVELOPMENT TECHNIQUE

bailer

MWB5

03/18/93

NOTE: Copied from Groundwater Log #1 Pg 14

DATE 03/18/93

~~B-125~~

MW65

DEVELOPED BY: Purzel J Doan / J Herman

DATE 03/23/93



DRILLING LOG FOR

MW6D

Project Name

Deancop Farm

Site Location

Gates NY

Date Started/Finished

3/2/93 - 3/4/93

Drilling Company

Parratt Wolf

Driller's Name

Mark Beck

Geologist's Name

John Doerr

Geologist's Signature

[Signature]

Rig Type (s)

CME 55

Drilling Method (s)

HSA/Rotary Core

Bit Size (s)

17X 3 7/8

Auger Size (s)

4 1/2 10

Auger/Split Spoon Refusal

24.5

Total Depth of Borehole Is

24.5

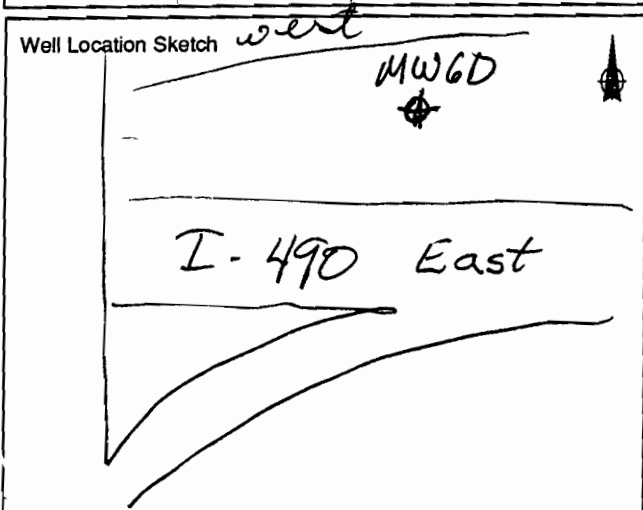
Total Depth of Corehole Is

65.5

Water Level (TOIC)

Date	Time	Level (Feet)

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1	1	8 14									
2		16 16									
3	2	17 20									
4	3	24 27									
5		48 51									
6	4	50 4									
7		23 27									
8		28 23								30	
9	5	10 14								17	
10		18 13									
11	6	7 3									
12		2 3									
13	7	9 3									
14		4 2									
		6 1									

Stick-up _____ ft

Inner Casing Material PVCInner Casing Inside Diameter 2 inches

SCREENED WELL

Lock Number _____

GROUND SURFACE

Top of Grout _____ ft

Borehole Diameter 8 inchesTop of Seal at 45.9 ftBottom of Seal at 48.2Top of Screen at 50.5 ft

Pack Type/Size:

☒ Sand
☐ Gravel
☐ Natural
Bottom of Screen at 65.5 ft

Quantity of Material Used:

Bentonite _____

Pellets _____

Cement _____

Cement/Bentonite _____

Grout _____

Top of Sand Pack 48.2Screen Slot Size 0.010Screen Type slot☒ PVC☐ Stainless Steel _____Bottom of Hole at 65.5 ftBottom of Sandpack at 65.5

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0.0-2.0 - Fill, Silty Sand, Fine, Dry med Brn, moderate organic debris, occasional rock fragment, angular	○	○	○
2	2.0-3.2 - Fill as above moderate Brn	○	○	○
3	3.2-4.0 - Fill, Black, ashy granular clay	○	○	○
4	4.0-5.4 - Fill, Ashy Black, Fine grained, Dry, moderate "Blue glass" chips, appears like land fill material	○	○	○
5	5.4-6.0 - continued with occasional lt green cupric oxide colored stain, 30 ppm	○	○	○
6	6.0-8.0 - as above, with metal debris	○	○	○
7	8.0-10. - as above, with metal debris	○	○	○
8	10-12 No sample saturated	○	○	○
9	12-14 as above with brick and metal debris some glass	○	○	○
10		○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR			Rock Profile	Penetration Times	Run Number	Cofe Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
16	8	14	XXXX										
17	9	52	0.0 0.0 0.0										
18		13	0.0 0.0 0.0										
19	10	810	0.0 0.0 0.0										
20		88	Till										
21	11	66	0.0 0.0 0.0										
22		2125	0.0 0.0 0.0										
23	12	2038	0.0 0.0 0.0										
24		54	0.0 0.0 0.0										
25	13	2250	0.0 0.0 0.0										
26			0.0 0.0 0.0										
27			0.0 0.0 0.0										
28			0.0 0.0 0.0										
29						13	1	100	90	=	=	0	
30													
31													
32													
33						19	2	92	96	=	=	0	
34													
35													
36													
37													
38						16	3	100	100	=	=	0	
39													
40													
41													
42													
43						16	4	102	98	=	=	0	
44													

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist %	Wet
16	No sample - Saturated	○	○	⊗
17	16-18 No Sample Recovered - red. sat.	○	○	⊗
18	2nd attempt - Till, mottled yellow brn fine	○	○	○
19	sand and red gray clay lenses and	○	○	○
20	partings - recovery poor	○	○	○
21	18-20 - fine Sand, well bedded, dry,	○	○	○
22	mottled gray & yellow brn -	○	○	○
23	20-21.6 - Bedded fine Sand	○	○	○
24	21.6-22.0 Till, red Brn, dry mix of	○	○	○
25	compact fine sand and clay	○	○	○
26	22.0-24 - Till, red Brn, with yellow brn	○	○	○
27	mottling, compacted sand (fine) and clay	○	○	○
28	moderate pebble size rock frags	○	○	○
29	24-24.9 - Till as above	○	○	○
30	spin casing & beam to 28	○	○	○
31	28.0-30.0 Dolomite, Lt. Gray, weathered,	○	○	○
32	fine grained, finely bedded, minor perturbed	○	○	○
33	dk gray to black carbonaceous partings	○	○	○
34	minor vugs	○	○	○
35	30-35 - Dolomite as above only with a	○	○	○
36	more granular appearance minor vugs.	○	○	○
37	35.0-39.5 Dolomite as above	○	○	○
38	39.5-40.0 Dolomite very coarse conglomeritic	○	○	○
39	appearance, 2° calcite	○	○	○
40	40-45 - Dolomite as above uniform, fine	○	○	○
41	grained 1st appearance anhydritical 43.4'	○	○	○
42	minor bedding plane 2° anhydrite	○	○	○
43		○	○	○
44		○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
46									—		
47					15	5	104	92	=	1	
48									—		
49									=		
50											
51									—		
52					17	6	92	13	=	0	
53									—		
54									=		
55											
56									—		
57					16	7	105	93	—	0	
58									—		
59									—		
60											
61									—		
62					20	8	99	94	—	0	
63									—		
64									—		
65											
67											
68											
69											
70											
71											
72											
73											
74											
75											

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46	45.0-50.0 Dolomite as in run 5 occasion open weathered Fractures	☐	☐	☐
47		☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50		☐	☐	☐
51	50.0-55.0 Dolomite, increase in number (5) of open horizontal fractures	☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54		☐	☐	☐
55		☐	☐	☐
56	55.0-60.0 Dolomite continues increasing 2° anhydrite	☐	☐	☐
57		☐	☐	☐
58		☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61	60.45.5 Dolomite, open fractures at 60.6' 2° anhydrite	☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65		☐	☐	☐
66		☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70		☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
		☐	☐	☐
		☐	☐	☐
5		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deancup Farm DATE 3/24/93
 LOCATION Gates, NY WELL NO. MW-6D

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

• Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

• The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

• The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 3.72 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 44.74'
 WELL DEPTH (TD) 67.52'
 COLOR Dark gray/Black
 ODOR sulfide odor
 CLARITY turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 46.19'
 WELL DEPTH (TD) 67.52'
 COLOR Dark gray/black
 ODOR sulfide odor
 CLARITY clear 38.3 NTU's

DESCRIPTION OF DEVELOPMENT TECHNIQUE Submersible Pump

MWGD

1 well vol = 3.72 μ l

DEVELOPED BY:

DEVELOPED BY: J. Doerr & J. Herman

DATE _____

DATE 07/14/93

MWGP

1 well vol = 3.73 gals

Purged

DEVELOPED BY:

Poregud

J. Doerr & T. Abrey

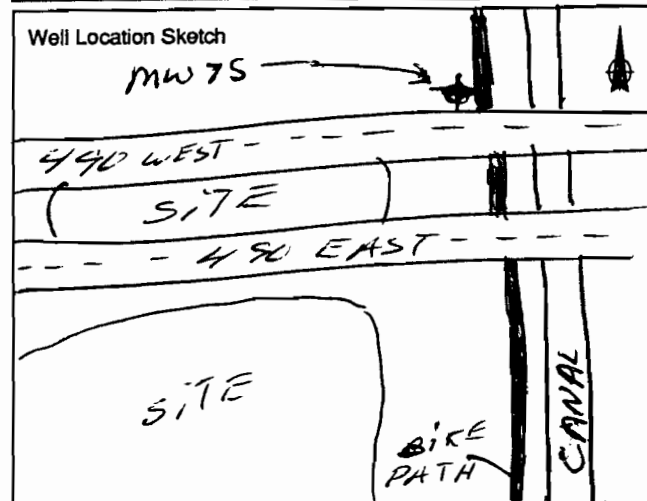
DATE 3/25/93



DRILLING LOG FOR MW-75

Project Name DEAR COP FARM
 Site Location TOWN OF GATES
MONROE CO. NEW YORK
 Date Started/Finished 12-30-92/12-31-92
 Drilling Company PARRATT + WOLFF
 Driller's Name MARK
 Geologist's Name JIM RICHERT
 Geologist's Signature Jim Richter
 Rig Type (s) MOBIL DRILL
 Drilling Method (s) HSA + ROCK CORING
 Bit Size (s) 4 1/4" ID Auger Size (s) HX
 Auger/Split Spoon Refusal 11.0
 Total Depth of Borehole Is 11.0
 Total Depth of Corehole Is 4 1/4" ID

Water Level (TOIC)		
Date	Time	Level (Feet)
12-30-92	1600	24.9 B65
12-31-92	0800	24.9 B65



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1			NO SPLIT SPOON SAMPLES SE								0955 BEGIN AUGERING
2											
3											
4											
5											
6											
7											
8											
9											
10											
11					1125						1125 BEGIN HX CORING
12						1	3.9	65		0	
13			DOLOSTONE								
14											
15					1140						

FLUSH MOUNT
Stick-up NA ft

SCREENED WELL

Inner Casing Material PVC

Inner Casing Inside Diameter 2 inches

Lock Number 2537

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

GROUND SURFACE

Top of Grout _____ ft
Borehole 8" x 4" inches
Diameter _____ ft

Top of Seal at 2.0 ft

Bottom of Seal at 4.0 ft

Top of Screen at 5.5 ft

Pack Type/Size:

- ☒ Sand
☐ Gravel
☐ Natural

Bottom of Screen at 40.5 ft

Quantity of Material Used: 1/4 BAG
Bentonite Pellets 20 TO 40 LB

Cement 0 TO 2.00 LB

Cement/Bentonite SAND 4 BAGS

Top of Sand Pack 4.0

Screen Slot Size 0.010

Screen Type

- ☒ PVC SLOTTED
☐ Stainless Steel

Bottom of Hole at 40.5 ft

Bottom of Sandpack at 40.5

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/
Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	<u>0-6.5' NATIVE SOIL. CLAYEY, GRAVELLY SILT.</u>	☐	☒	☐
2		☐	☒	☐
3		☐	☒	☐
4		☐	☒	☐
5		☐	☒	☐
6		☐	☒	☐
7	<u>6.5-11' ROCKY SOIL, OR VERY INCOMPETENT BEDROCK.</u>	☐	☒	☐
8		☐	☒	☐
9		☐	☒	☐
10	<u>REFUSAL AT 11.0' BEDROCK</u>	☐	☒	☐
11		☐	☒	☐
12	<u>11.0 TO 15.0' CORE RUN #1. BEDSTONE, HORIZONTAL BEDDED + FRACTURED, FRAC ZONES AT 11.35' + AT 13.85 TO 14.4'. OTHER FRACTURES MECHANICAL</u>	☐	☒	☐
13		☐	☒	☐
14		☐	☒	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNuOVA (ppm)	Comments
16				DOLO STONE	1153						
17											
18						2	4.7	75		0	
19											
20					1219						
21					1227						
22						3	4.5	90		0	
23											
24					1246						24.0-24.5 void
25					1302	4	.8	0		1.5	void
26					1415						
27											
28						5	4.9	90		2	
29					1933						
30					1453						
31					1453						
32						6	5.1	91		0	
33											
34					1516						
35					1516						
36					1543						
37						7	5.1	74		0	
38											
39											
40					1608						
41											
42											
43											
44											

Depth (feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Content		
		Dry	Moist	Wet
16	HIGHLY FRACTURED FROM 15.0 TO 15.5'	○	○	○
17	ONLY MINOR SHALEY BREAKS AT 16.0 17.25	○	○	○
18	18.5, 18.75 & 20'. DOLOSTONE A.A.	○	○	○
19		○	○	○
20		○	○	○
21	20-25' COMPACT DOLOSTONE	○	○	○
22	ANGULAR SHALE BREAKS AT 23.0'	○	○	○
23	AND 24.0'.	○	○	○
24		○	○	○
25	25-26. FRACTURES & VOID 25-25.25'	○	○	○
26	REST 2 MECHANICAL BREAKS.	○	○	○
27	26-31' COMPACT DOLOSTONE.	○	○	○
28	SMALL FRACTURE ZONE AT TOP OF	○	○	○
29	CORE FROM 26.0 TO 26.5	○	○	○
30	31 TO 36' RUN #6	○	○	○
31	VERY GOOD COMPACTNESS.	○	○	○
32	NO FRACTURE ZONES EXCEPT	○	○	○
33	MECHANICAL BREAKS. SOME	○	○	○
34	SMALL CALCITE OR DOLOMITE	○	○	○
35	LENSES FROM 33 TO 34'.	○	○	○
36		○	○	○
37	36-41' POSSIBLE FRACTURE ZONE	○	○	○
38	AT 36 TO 36.5'. REST MECHANICAL	○	○	○
39	+ SHALE BREAKS, NO CALCITE.	○	○	○
40		○	○	○
41	fully estimate 2000 gallons water	○	○	○
42	used to seal the well.	○	○	○
43		○	○	○
44		○	○	○

WELL DEVELOPMENT RECORD

SITE Deerpark Farm

DATE 9-16-93

LOCATION Gates, NY

WELL NO. MW-75

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

• Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

• The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

• The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 2.37 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 24.82'

WELL DEPTH (TD) 39.36'

COLOR _____

ODOR _____

CLARITY Turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) NA

WELL DEPTH (TD) 39.36'

COLOR _____

ODOR _____

CLARITY Slightly turbid

DESCRIPTION OF DEVELOPMENT TECHNIQUE Bailer

mw-75

Transferred from logbook no. 4, Pg 3 (GW Sampling)

DATE 2-16-93



DRILLING LOG FOR MW 8s

Project Name Dearcop Farm
 Site Location Gates NY

Date Started/Finished 1-13-93/1-13-93

Drilling Company Parratt-Wolff

Driller's Name William Rice

Geologist's Name John Doorn

Geologist's Signature John Doorn

Rig Type (s) Mobile B-52

Drilling Method (s) HSA/Rotary Core

Bit Size (s) HX(3 7/8) Auger Size (s) 4 1/4"

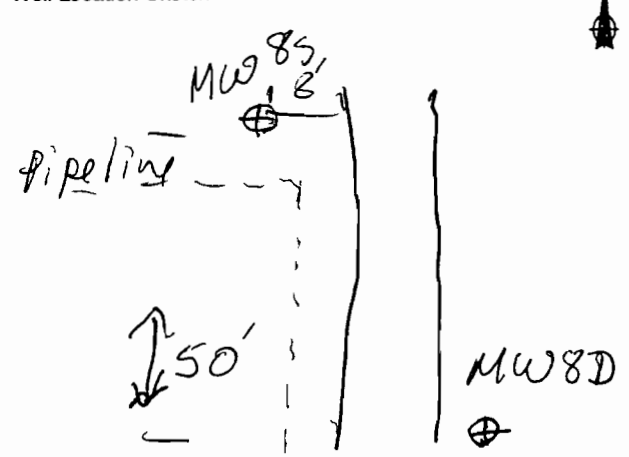
Auger/Split Spoon Refusal 10.0

Total Depth of Borehole Is 10.0

Total Depth of Corehole Is 36-15

Water Level (TOIC)		
Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1			See MW 8D								
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

Stick-up _____ ft

Inner Casing Material PVC

Inner Casing Inside Diameter _____ inches

SCREENED WELL

Lock Number 2537

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Borehole Diameter 10 inches

Top of Seal at 3.8' ft

Bottom of Seal at 5.0' ft

Top of Screen at 6.15' ft

Pack Type/Size:

- ☒ Sand
☐ Gravel
☐ Natural

Bottom of Screen at 36.15' ft

GROUND SURFACE

Quantity of Material Used:

Bentonite Pellets 1 1/2 bag

Cement 1 bag

Cement/Bentonite _____

Grout _____

Top of Sand Pack 5.0'

Screen Slot Size 0.010

Screen Type _____

- ☒ PVC
☐ Stainless Steel

Bottom of Hole at 36.15' ft

Bottom of Sandpack at 36.15'

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	10.0' to 15.7' Dolomite, lt gray, DK gray when wet, Fine grained, finely bedded occasional, shaley carbonaceous partings or inter beds. Highly weathered and fracture increases in competence rapidly with depth	☐	☐	☐
2		☐	☐	☐
3		☐	☐	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12		☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNU/OVA (ppm)	Comments
16											
17											
18					15	2	99	78			○
19											
20											
21											
22											
23					19	3	99	88			○
24											
25											
26											
27											
28					14	4	94	70			○
29											
30											
31											
32											
33					28	5	96	80			○
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											

		Dry	Moist	Wet
16	15.7-20.8 - Dolomite as above	☐	☐	☐
7		☐	☐	☐
18		☐	☐	☐
19		☐	☐	☐
20		☐	☐	☐
21	20.8-25.9 - Dolomite continues	☐	☐	☐
22		☐	☐	☐
23		☐	☐	☐
24		☐	☐	☐
25		☐	☐	☐
26	25.9-30.8 - Dolomite	☐	☐	☐
27		☐	☐	☐
28		☐	☐	☐
29		☐	☐	☐
30		☐	☐	☐
31	30.8-36.15 - Dolomite, continued	☐	☐	☐
32		☐	☐	☐
33		☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36		☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42		☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deercoy Farm DATE 2/16/93 + 3/12/93
 LOCATION Grates, NY WELL NO. MW-85

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.
- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.
- The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 0.9 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 30.22' 3/12/93 30.17'
 WELL DEPTH (TD) 35.69' 35.74'
 COLOR Dark Brown
 ODOR _____
 CLARITY Turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) NA
 WELL DEPTH (TD) 35.74'
 COLOR _____
 ODOR _____
 CLARITY slightly turbid 163.9 NTU's

DESCRIPTION OF DEVELOPMENT TECHNIQUE

Bailer

mw-85

DEVELOPED BY: G. Jones / J. Mays / T. Summers
G. Jones / G. Fiorentino

3-12-93

MW 85

[illegible]

~~DEVELOPED BY:~~

DEVELOPED BY: Purged 4.0 gals J. Doern, T. Abrey

DATE _____

3/25/92

DRILLING LOG FOR MW 8 D

Project Name Dearcip farm

Site Location Gates

Date Started/Finished 1-6-93 - 1-12-93

Drilling Company Parratt Welf

Driller's Name Rick Nevatky

Geologist's Name J. Doery

Geologist's Signature [Signature]

Rig Type (s) Mobil B-56

Drilling Method (s) HSA/Rotary Core

Bit Size (s) HX Auger Size (s) 4 1/4"

Auger/Split Spoon Refusal 8.7' / 8.1'

Total Depth of Borehole Is 5.7'

Total Depth of Corehole is 91.1'

[illegible]

Well Location Sketch

I 490 East $\rightarrow$

Bike Path 

canal

MW
8D

Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times minutes	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1	1	25	SE				90			0	
2	1	45	XXXXXX	Fill			90				
3	2	119								0	
4	2	912	SE				100				
5	3	36								0	
6	3	1314									
7	4	1118	0:0:0:0				95			0	
8	4	3458	0:1:1:0								
9	5	50%	0:0:0:0				0			0	
10											
11											
12					27	1	98	86		0	
13											
14					27						

Stick-up _____ ft

SCREENED WELL

Inner Casing Material PVC

Lock Number _____

Inner Casing Inside Diameter 2 inches

Top of Grout _____ ft

Borehole Diameter 10 inches

Top of Seal at 51.0 ft

Bottom of Seal at 53.8 ft

Top of Screen at 56.1 ft

Pack Type/Size:
☒ Sand
☐ Gravel
☐ Natural

Bottom of Screen at 39.95 91.1 ft

Quantity of Material Used:
 Bentonite Pellets _____
 Cement _____
 Cement/Bentonite _____
 Grout _____

Top of Sand Pack 53.8

Screen Slot Size 0.010

Screen Type Slot
☒ PVC
☐ Stainless Steel

Bottom of Hole at 39.95 91.1 ft

Bottom of Sandpack at 39.95 91.1 ft

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

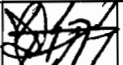
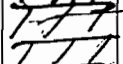
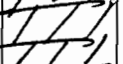
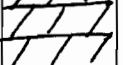
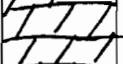
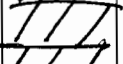
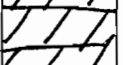
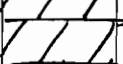
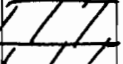
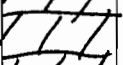
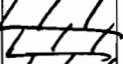
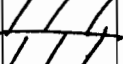
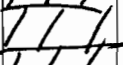
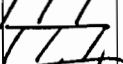
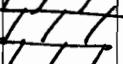
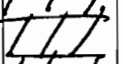
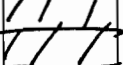
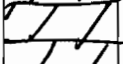
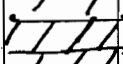
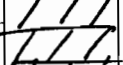
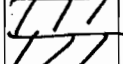
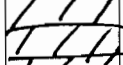
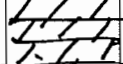
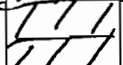
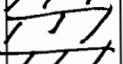
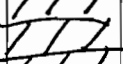
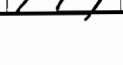
Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0.0-0.3- Sandy silty, loamy, moderate organic grass roots etc	○	⊗	○
2	0.3-1.4- Silty sand, brn, moist, occasional pebble, massive moist	○	⊗	○
3	1.4-2.3- Fill, dk brn to black, dry road bed cobble, angular black silty matrix	⊗	○	○
4	2.3-4.0- Silty sand, med brn w/ yellow brn mottling, massive, dry, Occasion gray clay rich nodule	⊗	○	○
5	4.0 to 5.1- Silty sand as above	⊗	○	○
6	5.1 to 6.0- Till- Red brn, compact hard predominantly sand, Occasional pebbly-angular	○	○	○
7	6.0-8.0 Till as above	○	○	○
8	Refusal at 8.7'	○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Components CL SL S GR	Rock Profile	Penetration Times minutes	Run Number	Core Recovery	RQD	Fracture Sketch	Moisture (ppm)	Comments
16					18	2	99	74		0	
17											
18											
19											
20											
21											
22					19	3	97	86		0	
23											
24											
25											
26											
27					15	4	98	88		0	
28											
29											
30											
31					13	5	99	60		0	
32											
33											
34											
35											
36											
37					18	6	99	88		0	
38											
39											
40											
41											
42					7	7	98	82		0	
43					17						
44											

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Dry	Moist	Wet
16	9.4-14.8 - Dolomite, lt gray finely bedded, banded	☐	☐	☐
17	with dk gray carbonaceous partings, occasional	☐	☐	☐
18	bio perturbations, very weathered	☐	☐	☐
19	14.8-19.9 Dolomite, as above, highly	☐	☐	☐
20	fractured, 14.8 to 15.2, large fractures,	☐	☐	☐
21	16.1 to 16.2, 17.4 to 17.5	☐	☐	☐
22	19.9-25.0 - Dolomite as above	☐	☐	☐
23	25.0-30.1 Dolomite, 2 Calcite	☐	☐	☐
24	uvq filling at 25.9, very fractured	☐	☐	☐
25	~~zone~~ zone at 26.0 to 28.7' total loss	☐	☐	☐
26	of fluids thru zone	☐	☐	☐
27		☐	☐	☐
28		☐	☐	☐
29	34.85	☐	☐	☐
30	30.1-35.2 Dolomite - as above	☐	☐	☐
31	32 to 35 - numerous bedding plane	☐	☐	☐
32	fractures	☐	☐	☐
33	⁹⁵ 34.85' - 39.85' Dolomite - competent,	☐	☐	☐
34	RQD 88	☐	☐	☐
35		☐	☐	☐
36		☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40	39.95-46.30 Dolomite as above	☐	☐	☐
41		☐	☐	☐
42		☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times <i>minutes</i>	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
46					17	7	98	82	=	0	
47											
48					14						
49						8	99	40	~	0	
50											
51											
52											
53							99	76	=	5	
54					15	7					
55									~		
56											
57											
58											
59					15	10	99	76	=	2.5	
60											
61											
62											
63											
64					15	11	99	81	=	0	
65											
67											
68											
69					10	12	99	64	~	7	
70											
71											
72											
73											
74											
75					20	13	99	83	Σ	1	

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46		☐	☐	☐
47	46.2-51.2- Dolomite, increase in shaly partings	☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50		☐	☐	☐
51	51.2-56.3- Dolomite as last run	☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54		☐	☐	☐
55		☐	☐	☐
56	56.3-61.4- Dolomite as above Numerous Fractures - bedding plane at 60.6-60.8' BGS	☐	☐	☐
57		☐	☐	☐
58		☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61	61.4-66.5- Dolomite, minor 2° calcite along Fractures at 65.2, 65.3'	☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65	66.5-71.7- Dolomite, softer very thinly bedded, black shale partings more numerous, many bedding 2° mineralization of anhydrite	☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70	71.7-76.7- Dolomite as last run High methane, Broken debris at ~75'	☐	☐	☐
71		☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times minutes	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
77					20	13					
78						14					
79					12		98	95		0	
80											
81											
82											
83											
84					11	15	91	62		0	
85											
86											
87											
88											
89					14	16	99	92		0	
90											
91											
92											
93											
94											
95											
96											
97											
98											
99											
100											
101											
102											
103											
104											
105											

Depth (feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
77	76.7-81.6 Dolomite, as above	☐	☐	☐
78		☐	☐	☐
79		☐	☐	☐
80		☐	☐	☐
81	81.6-86.6 - Dolomite - continues	☐	☐	☐
82		☐	☐	☐
83		☐	☐	☐
84		☐	☐	☐
85		☐	☐	☐
86	86.6-91.5 dolomite, no change	☐	☐	☐
87		☐	☐	☐
88		☐	☐	☐
89		☐	☐	☐
90		☐	☐	☐
91		☐	☐	☐
92		☐	☐	☐
93		☐	☐	☐
94		☐	☐	☐
95		☐	☐	☐
96		☐	☐	☐
97		☐	☐	☐
98		☐	☐	☐
99		☐	☐	☐
100		☐	☐	☐
101		☐	☐	☐
102		☐	☐	☐
103		☐	☐	☐
104		☐	☐	☐
105		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Dancing Farm DATE 2/3/93
 LOCATION Gates, NY WELL NO. MW-8D

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.
- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.
- The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 9.96 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 3.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 29.7
 WELL DEPTH (TD) 90.75
 COLOR Black
 ODOR strong sulfur
 CLARITY turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 29.7
 WELL DEPTH (TD) 90.75
 COLOR clear
 ODOR none (level B)
 CLARITY ~50 NTU (based upon visual observations)

DESCRIPTION OF DEVELOPMENT TECHNIQUE 1/2" submersible pump

mw-8D

pH meter & nephelometer would not work.
bailed & pumped ~ ^{15.1} well volumes 150 gal
Performed in Level B

J. Deen / J. Heiman

2/5/93



DRILLING LOG FOR MW-95

Project Name DEARCOP FARMS

Site Location ROCHESTER, NY

Date Started/Finished 12-22-92/12-23-92

Drilling Company PARROTT & WOLFF INC.

Driller's Name MARK BECK

Geologist's Name JIM RICHERT

Geologist's Signature Jim Richert

Rig Type (s) MOBILE DRILL B-56

Drilling Method (s) ASA & CORE

Bit Size (s) 4 1/2 AX Auger Size (s) 4 1/4

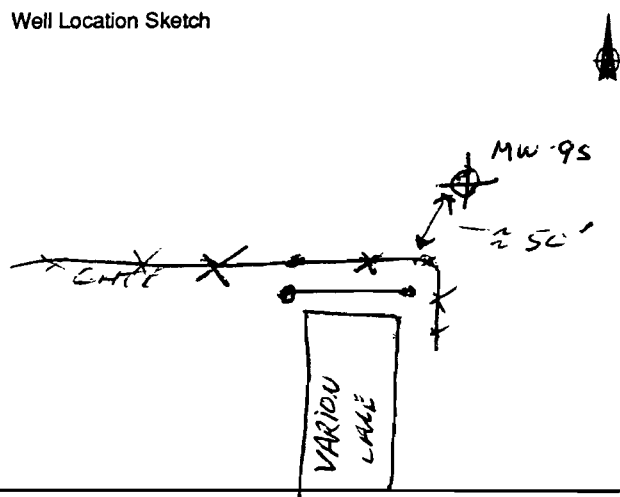
Auger/Split Spoon Refusal 13.9'

Total Depth of Borehole Is 13.9'

Total Depth of Corehole Is 29.0'

Water Level (TOIG) <u>6L</u>		
Date	Time	Level (Feet)
12-23-92	1100	15.0

Well Location Sketch



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu (ppm)	Comments
1	SS-1	1 3		CLAY	1345		1.9			0	1345 13.9' CLAY
2		3 3									
3	SS-2	2 3		CLAY	1348		1.2			0	1348 13.9'
4		5 4									
5	SS-3	14 50		CLAY	1405		0.7			0	GRINDING DRILL BITS AT 4.7'
6	SS-4	2 2		RETURN AT 4.7'							
7		10 13			1445		1.7			0	MOVED DRILL BIT 8' N.E. WILL GO FROM 5'
8	SS-5	11 14			1500		1.6			0	
9		20 12									
10	SS-6	11 21			1510		1.3			2 ppm	
11		33 42									
12	SS-7	24 44			1515		1.8			4.5 ppm	COLLECT SAMPLE FOR FLUORIDE
13		40 53									
14		20 24 24			1536		1.0'			4.0 ppm	REFUSAL AT 13.9'

CORE RUN #1 14'-15.5'

0815
0824

1.5'

0

AX

Stick-up 2.0' ft **INTERFACE**
SCREENED WELL

Inner Casing Material PVC
Inner Casing Inside Diameter 2 inches

Lock Number 2537
MASTER
LOCK

GROUND SURFACE

Quantity of Material Used:
Bentonite Pellets 2 FEET
Cement 2 BAGS
Cement/Bentonite 1
Grout —
Top of Sand Pack 7.0
Screen Slot Size 0.010"
Screen Type —
☒ PVC
☐ Stainless Steel

Top of Grout 0 ft
Borehole Diameter 8 inches
Top of Seal at 5 ft
Bottom of Seal at 7.0
Top of Screen at 9.0 ft
Pack Type/Size:
☒ Sand
☐ Gravel
☐ Natural
Bottom of Screen at 29.0 ft

Bottom of Hole at 29.0 ft
Bottom of Sandpack at 29.0

Stick-up _____ ft
Inner Casing Material _____
Inner Casing Inside Diameter _____ inches

Top of Grout _____ ft
Bottom of Outer Casing _____ ft
Borehole Diameter _____ ft
Bedrock _____ ft
Bottom of Rock Socket/ Grout/ Casing _____ ft
Corehole Diameter _____
Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0-2 DARK BROWN SANDY FILL	●	○	○
2		●	○	○
3	2-2.5 SAME AS ABOVE	○	●	○
4	2.5-3 CLAYEY GRAY - SANDY CLAY	○	●	○
5	TAN-ROCKY 4-4.5 MATTY CLAY BROWN	○	●	○
6	4.5-4.7 ROCK REFUSAL. DARK GRAY. DOLOMITE?	●	○	○
7	5-7 CLAYEY SAND. AS ABOVE	○	●	○
8	7-9 CLAYEY SAND WITH SEVERAL ROCK FRAGMENTS	○	○	○
9	1/2" TO 1" SIDE MALLAR. DOLOMITE	○	●	○
10	9-11 SAND W/ LIME ROCK SANDSTONE FRAGMENT	○	○	●
11	11-13 REDDISH CLAYEY SAND W/ DOLOMITE FRAGMENTS	○	○	●
12		○	○	●
13		○	○	●
14	13-15 REFUSAL AT 13.9	○	○	●
	13.9 → 13.9 CLAYEY SAND, RED	○	○	●

ROCK CORE 14-15.5 DOLOMITE, DRK GRY, HORIZONTAL BEDDED
2 HORIZ. FRACTURES, AT ARBITRARY PARTS. V. COME TEXT, NO WEATHERING

Depth(feet)	Sample Number	Blows on Sampler	Soil Components				Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu(OVA) (ppm)	Comments
			CL	SL	S	GR								
16							HH	0840	1	100%	83		0	
17							HH	↓						
18							HH		2	100%			0	WATER LOST AT 150'
19							HH				49			
20							HH	0907						
21							HH	0920						
22							HH	↓						
23							HH		3	4.75			0	
24							HH	↓			96			
25							HH	0945						
26							HH	1005						
27							HH	↓	4	3.85	90		2	
28							HH							
29							HH	1025						
30														
31														
32														
33														
34														
35														
36														
37														
38														
39														
40														
41														
42														
43														
44														

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Dry	Moist	Wet
66	RUN #2 15.5 - 22.5 ALL DOLOSTONE AS ABOVE WITH	☐	☐	☐
67	MORE HORIZ. FRACTURES & ZONES OF MOTTLED	☐	☐	☐
68	Bedding. 1/2" x 1" VUG AT 17.9". 0.1' ZONE	☐	☐	☐
69	OF MUCH FRACTURING & HIGHER SHALE CONTENT	☐	☐	☐
70	AT 16.6' CLAY FILLED FRACTURES AT	☐	☐	☐
71	16', 17.35' AND 19.4'	☐	☐	☐
72	20.5-25.5 DOLOSTONE AS ABOVE, NO VUGS.	☐	☐	☐
73	LESS FRACTURING MOSTLY MECHANICAL	☐	☐	☐
74	BROOKS CAUSED BY CORROSION. COMPACT	☐	☐	☐
75	25.5 - 29.0' DOLOSTONE AS ABOVE	☐	☐	☐
76	T.D. = 29.0'	☐	☐	☐
77		☐	☐	☐
78		☐	☐	☐
79		☐	☐	☐
80		☐	☐	☐
81		☐	☐	☐
82		☐	☐	☐
83		☐	☐	☐
84		☐	☐	☐
85		☐	☐	☐
86		☐	☐	☐
87		☐	☐	☐
88		☐	☐	☐
89		☐	☐	☐
90		☐	☐	☐
91		☐	☐	☐
92		☐	☐	☐
93		☐	☐	☐
94		☐	☐	☐
95		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deerco Farm

DATE 2/6/93, 3/12/93

LOCATION Gates, NY

WELL NO. mw-9,5

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.
- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.
- The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches; and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 2.28 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 17.24'

3-12-93 17.28

WELL DEPTH (TD) 31.24'

31.22

COLOR _____

ODOR _____

CLARITY _____

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) _____

WELL DEPTH (TD) _____

COLOR _____

ODOR _____

CLARITY _____

DESCRIPTION OF DEVELOPMENT TECHNIQUE bailey

mw-95

Feb 16 Transferred from Logbook No. 4, Pg 5 (Gw sampling)
March 12 Transferred from Geotechnical logbook for mw-9S'

DATE 2-6-93
3-12-93

DRILLING LOG FOR MW 9D

Project Name Dearcop Farm

Site Location Gates NY

Date Started/Finished 1-14-93 / 1-19-93

Drilling Company Parratt Wolff

Driller's Name W. Rice

Geologist's Name J. Doerr

Geologist's Signature [Signature]

Rig Type (s) Mobile B-56

Drilling Method (s) HSA / Rotary core

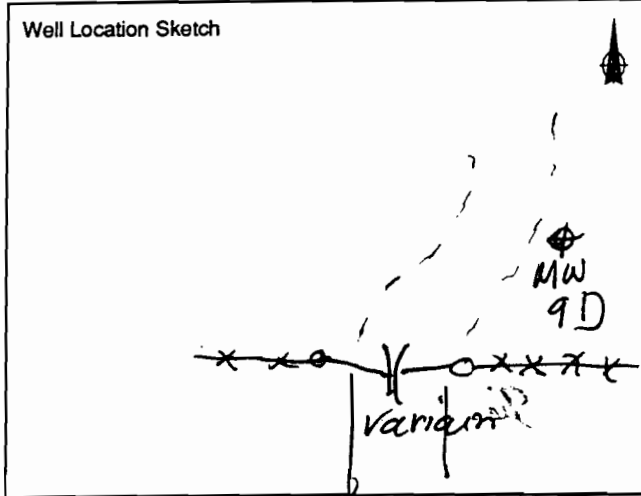
Bit Size (s) HX (3 7/8) Auger Size (s) 4 1/4

Auger/Split Spoon Refusal 13.7

Total Depth of Borehole Is 13.7

Total Depth of Corehole Is 96.31 97.25 CF

Water Level (TOIC)		
Date	Time	Level (Feet)
1-18-93	1220	36.60 1365
1-19-93	0755	36.77 1365



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNU/OVA (ppm)	Comments
1			See MW 9S								
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											

Stick-up _____ ft

Inner Casing Material PVC

Inner Casing Inside Diameter 2 inches

Lock Number 2537

SCREENED WELL

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ inches

GROUND SURFACE

Top of Grout _____ ft

Borehole Diameter 10 inches

Top of Seal at 55.7 ft

Bottom of Seal at 58.1 ft

Top of Screen at 96.31 ft

Pack Type/Size:
☒ Sand
☐ Gravel
☐ Natural

Bottom of Screen at 96.31 ft

Quantity of Material Used:
 Bentonite Pellets 1 Bucket
 Cement 5 bags
 Cement/Bentonite _____
 Grout _____

Top of Sand Pack 58.1

Screen Slot Size 0.010

Screen Type _____
☒ PVC
☐ Stainless Steel

Bottom of Hole at 96.31 ft

Bottom of Sandpack at 96.31 ft
97.25 ft

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/Grout/Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

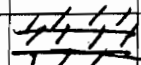
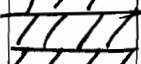
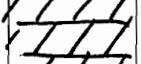
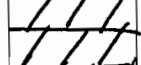
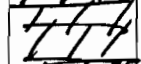
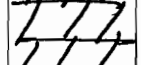
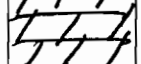
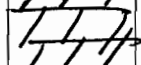
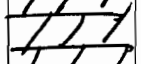
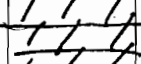
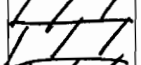
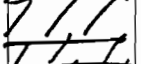
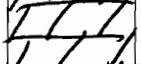
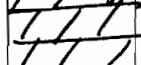
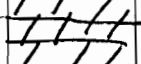
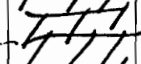
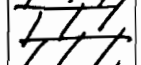
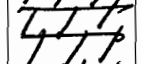
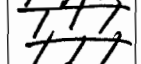
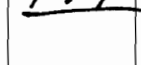
Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	See MW 9s	☐	☐	☐
2		☐	☐	☐
3		☐	☐	☐
4		☐	☐	☐
5		☐	☐	☐
6		☐	☐	☐
7		☐	☐	☐
8		☐	☐	☐
9		☐	☐	☐
10		☐	☐	☐
11		☐	☐	☐
12	13.7-Top of Bedrock, Remain to 14.3'	☐	☐	☐
13		☐	☐	☐
14		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components				Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
			CL	SL	S	GR								
16									1					
17								38		100	55		1	
18														
19														
20														
21														
22														
23								19	2	100	92		0	
24														
25														
26														
27														
28														
29								13	3	100	76		0	
30														
31														
32														
33														
34								13	4	100	78		0	
35														
36														
37														
38														
39								15	5	100	95		0	
40														
41														
42														
43														
44								18	6	100	90		0	

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
16	14.3 - 21.5 - Dolomite, Lt gray, Finely	○	○	○
17	Bedded, Fine grained, mined carbonaceous	○	○	○
18	shaly partings, Note partially	○	○	○
19	healed, open vertical Fractures	○	○	○
20	16.5 to 17.0, 18-8' to 21.5, 2nd set	○	○	○
21	has multiple vertical Fractures, 2° calcite	○	○	○
22	21.5 - 26.5 - Dolomite as above	○	○	○
23	vertical Fractures continue	○	○	○
24	to 26.5	○	○	○
25	26.5 - 31.5 - Dolomite, vertical Fractures	○	○	○
26	End at 29.0	○	○	○
27		○	○	○
28		○	○	○
29		○	○	○
30		○	○	○
31	31.5 - 36.5 - Dolomite, vertical to	○	○	○
32	very hi angle Fractures resume at	○	○	○
33	32.0'	○	○	○
34		○	○	○
35		○	○	○
36	36.5 - 41.7 - Dolomite, vertical Fractures	○	○	○
37	to entire length	○	○	○
38		○	○	○
39		○	○	○
40	41.7 to 46.7 - Dolomite, vertical Fractures	○	○	○
41	end at 41.7	○	○	○
42		○	○	○
		○	○	○
		○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNw/OVA (ppm)	Comments
46					18	6	100	90			
47											
48											
49					19	7	100	90		0	
50											
51											
52											
53											
54					14	8	100	97		0	
55											
56											
57											
58											
59					16	9	100	82		5	
60											
61											
62											
63					11	10	100	78		1	
64											
65											
67											
68											
69					12	11				>1000	
70											
71											
72											
73											
74					12	12	100	88			
75											

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Content		
		Dry	Moist	Wet
46	46.7-51.75- Dolomite, as above	☐	☐	☐
47		☐	☐	☐
48		☐	☐	☐
49		☐	☐	☐
50		☐	☐	☐
51	51.75-56.75- Dolomite, minor horizontal to Subhorizontal bedding Plane Fractures	☐	☐	☐
52		☐	☐	☐
53		☐	☐	☐
54		☐	☐	☐
55		☐	☐	☐
56	56.75'-61.75' Dolomite, beginning 2° calcite vug Fillings	☐	☐	☐
57		☐	☐	☐
58		☐	☐	☐
59		☐	☐	☐
60		☐	☐	☐
61	61.75-66.65- Dolomite, increase in occurrence of carbonaceous parting	☐	☐	☐
62		☐	☐	☐
63		☐	☐	☐
64		☐	☐	☐
65		☐	☐	☐
66	66.65-71.75. Dolomite, ~35% carbonaceous material-	☐	☐	☐
67		☐	☐	☐
68		☐	☐	☐
69		☐	☐	☐
70		☐	☐	☐
71	71.75-76.75, Dolomite - thin bedded 1 st appearance of anhydrite as bedding plane 2 nd mineralization	☐	☐	☐
72		☐	☐	☐
73		☐	☐	☐
74		☐	☐	☐
75		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
77					12	12					
78					11	13	100	78			
79											
80											
81											
82											
83											
84					9	14	100	75		20	
85											
86											
87											
88											
89					12	15	100	92		50	
90											
91											
92											
93											
94						16	100	73			
95					10					30	
96											
97											
98											
99											
100											
101											
102											
103											
104											
105											

Depth (feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
77	76.75 - 81.95 - Dolomite, increase in 2° anhydrite as vug & fracture fillings	☐	☐	☐
78		☐	☐	☐
79		☐	☐	☐
80		☐	☐	☐
81	81.95 - 86.95 - Dolomite as above into Transition zone	☐	☐	☐
82		☐	☐	☐
83		☐	☐	☐
84		☐	☐	☐
85	86.95 - 92.05 - Dolomite as above	☐	☐	☐
86		☐	☐	☐
87		☐	☐	☐
88		☐	☐	☐
89	92.05 - 97.25 - Dolomite	☐	☐	☐
90		☐	☐	☐
91		☐	☐	☐
92		☐	☐	☐
93	TD 97.25 ²⁵ ~~97.00~~	☐	☐	☐
94		☐	☐	☐
95		☐	☐	☐
96		☐	☐	☐
97		☐	☐	☐
98		☐	☐	☐
99		☐	☐	☐
100		☐	☐	☐
101		☐	☐	☐
102		☐	☐	☐
103		☐	☐	☐
104		☐	☐	☐
105		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Deerpark Farm

DATE 2/18/93, 3/17/93

LOCATION Gates, NY

WELL NO. mw-9D

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

• Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

• The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

• The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r^2h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 9.76 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509×10^{-3}
1 1/2	0.092	0.0123	1.142	1.142×10^{-3}
2	0.163	0.0218	2.024	2.024×10^{-3}
2 1/2	0.255	0.0341	3.167	3.167×10^{-3}
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4	0.653	0.0873	8.110	8.110×10^{-3}
4 1/2	0.826	0.1104	10.260	10.260×10^{-3}
5	1.020	0.1364	12.670	12.670×10^{-3}
5 1/2	1.234	0.1650	15.330	15.330×10^{-3}
6	1.469	0.1963	18.240	18.240×10^{-3}
7	2.000	0.2673	24.840	24.840×10^{-3}
8	2.611	0.3491	32.430	32.430×10^{-3}
9	3.305	0.4418	41.040	41.040×10^{-3}
10	4.080	0.5454	50.670	50.670×10^{-3}
11	4.937	0.6600	61.310	61.310×10^{-3}
12	5.875	0.7854	72.960	72.960×10^{-3}
14	8.000	1.0690	99.350	99.350×10^{-3}
16	10.440	1.3960	129.650	129.650×10^{-3}
18	13.220	1.7670	164.180	164.180×10^{-3}
20	16.320	2.1820	202.680	202.680×10^{-3}
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24	23.500	3.1420	291.850	291.850×10^{-3}
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34	47.160	6.3050	585.680	585.680×10^{-3}
36	52.880	7.0690	656.720	656.720×10^{-3}

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419×10^{-3} cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 39.10

3/17/93 38.56

WELL DEPTH (TD) 98.90

COLOR Black

ODOR Organic odor

CLARITY Turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) _____

WELL DEPTH (TD) _____

COLOR _____

ODOR _____

CLARITY _____

DESCRIPTION OF DEVELOPMENT TECHNIQUE

Submersible Pump

mw-9D

[illegible]

Feb 18 Transferred from Logbook No. 4, Pg 8 (GW Sampling)
 March 17 " " " " " " " " " " " "

B-174

DATE 2-18-93
3-17-93

MW9D

03/18/93

DEVELOPED BY:

DATE 03/18/23

2. Chief Officer

recognition and the importance of the



DRILLING LOG FOR MW-105

Project Name DEARCOP FARM

Site Location TOWN OF GATES,

MONROE CO., NY

Date Started/Finished 12-29-92/12-29-92

Drilling Company PACRATT + WOLFF

Driller's Name MARK

Geologist's Name JIM RICHART

Geologist's Signature Jim Richart

Rig Type (s) MOBILE DRILL

Drilling Method (s) HSA + CORE

Bit Size (s) HX Auger Size (s) 4 1/4" ID

Auger/Split Spoon Refusal 19'

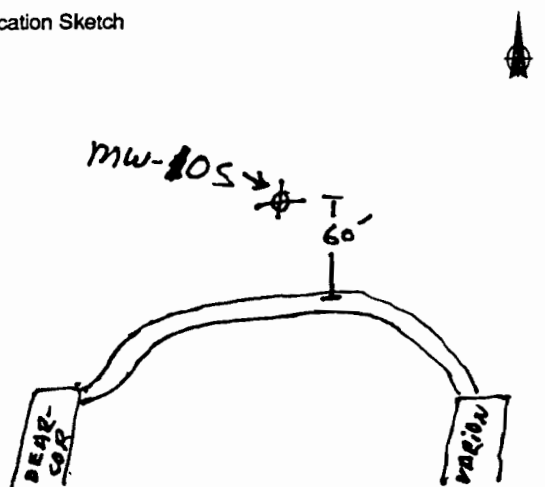
Total Depth of Borehole Is 19'

Total Depth of Corehole Is 34.0'

Water Level (TOIC)

Date	Time	Level(Feet)

Well Location Sketch



Depth(Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											0808 BELIN 4 1/4" AUGERING
13											
14											

Stick-up 2.15 ft

Inner Casing Material PVC

Inner Casing Inside Diameter 2 Inches

SCREENED WELL

Lock Number 1
MASTER LOCK

GROUND SURFACE

Quantity of Material Used:
Bentonite Pellets 1 1/4 BAGS
Cement 5 BAGS
Cement/Bentonite SAND 3 BAGS
Top of Sand Pack 12
Screen Slot Size 0.010"
Screen Type ☒ PVC SLOTTED
☐ Stainless Steel

Top of Grout _____ ft
Borehole Diameter 8 Inches
Top of Seal at 10 ft
Bottom of Seal at 12 ft
Top of Screen at 14 ft
Pack Type/Size:
☒ Sand
☐ Gravel
☐ Natural
Bottom of Screen at 34.0 ft

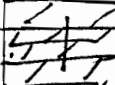
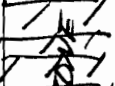
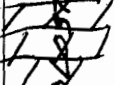
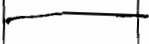
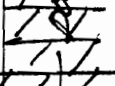
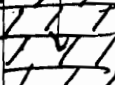
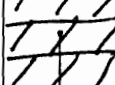
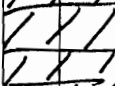
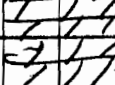
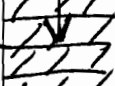
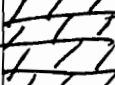
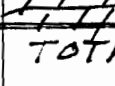
OPEN-HOLE WELL

Stick-up _____ ft
Inner Casing Material _____
Inner Casing Inside Diameter _____ Inches
Top of Grout _____ ft
Bottom of Outer Casing _____ ft
Borehole Diameter _____ ft
Bedrock _____ ft
Bottom of Rock Socket/Grout/Casing _____ ft
Corehole Diameter _____
Bottom of Corehole _____ ft

Bottom of Hole at 34.0 ft
Bottom of Sandpack at 34.0

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0-12' Fill, see PAGE 42.	○	○	○
2		○	○	○
3		○	○	○
4		○	○	○
5		○	○	○
6		○	○	○
7		○	○	○
8		○	○	○
9		○	○	○
10		○	○	○
11		○	○	○
12	12-12.5' DOLOSTONE BOULDER	○	○	○
13	12.5-19.0' SAND, GRAVEL, AS ABOVE	○	○	○
14		○	○	○
		○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	Free Water (ppm)	Comments
16			p/p 0/0 0/0								
17			0 Till 0								
18			0 p/p 0/0								
19			TOP OF ROCK		1120						17.0' REFUSAL
20					1125 1137	1	0.9	85		0	
21											
22						2	4.9	74		1.5	
23											
24											
25					1152 1202						
26											
27						3	4.95	82		1.5	
28											
29											
30					1226						
31					1232	4	4.1	90		0	NO LOST WATER
32											
33											
34					1245						1245 TD
35				TOTAL DEPTH = 34.0' BGS							
36											
37											
38											
39											
40											
41											
42											
43											
44											

		Dy	Mo	We
16		☐	☐	☐
17		☐	☐	☐
18		☐	☐	☐
19	19-20' DOLOSTONE LIGHT GRAY, HORIZONTALLY	☐	☐	☐
20	BEDDED & FRACTURED COMPACT, FINE GRAINED	☐	☐	☐
21	20-25 SAME AS ABOVE. NATURAL	☐	☐	☐
22	FRACTURES AT 20.4', 21.2 TO 21.6', AND 22.1'	☐	☐	☐
23		☐	☐	☐
24		☐	☐	☐
25	25-30' DOLOSTONE AS ABOVE	☐	☐	☐
26	WITH NATURAL FRACTURES AT 26.1',	☐	☐	☐
27	27.4 TO 27.65' AND 28.1' TO 28.5'	☐	☐	☐
28	30-34' SAME AS ABOVE	☐	☐	☐
29	1	☐	☐	☐
30		☐	☐	☐
31		☐	☐	☐
32		☐	☐	☐
33		☐	☐	☐
34	TOTAL DEPTH.	☐	☐	☐
35	SEE PAGES 3, 4 & 5 FOR	☐	☐	☐
36	PACKER TEST RESULTS	☐	☐	☐
37		☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42		☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Dennis Farm

DATE 2/16/93, 3/12/93

LOCATION Gates, NY

WELL NO. mw-105

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

• Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.

• The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.

• The static volume will be calculated using the formula:

$$V = Tr^2 (0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches;

and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 3.79 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 12.9'

WELL DEPTH (TD) 36.15'

COLOR _____

ODOR _____

CLARITY Very Turbid

3/12/93 13.99'

36.08'

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) _____

WELL DEPTH (TD) _____

COLOR black

ODOR _____

CLARITY Very turbid > 200 NTU'S

DESCRIPTION OF DEVELOPMENT TECHNIQUE

bailer

mw-105

Feb 16 Transferred from Logbook No. 4, Pg 5 (GW Sampling)
March 12 " " Geotechlogbook for mw-105

DATE 2-16-93
3-12-93

MW 105

purged
DEVELOPED BY: J. Doer / J. Herman

DATE 03/22/43



DRILLING LOG FOR MW 10 D

Project Name Dearcop Farm
Site Location Gates NY

Date Started/Finished 1-19-93 / 1-21-93

Drilling Company Parratt-Wolff

Driller's Name Mark Beck

Geologist's Name John Doerr

Geologist's Signature [Signature]

Rig Type (s) Mobile B56

Drilling Method (s) HSA/Rotary Core

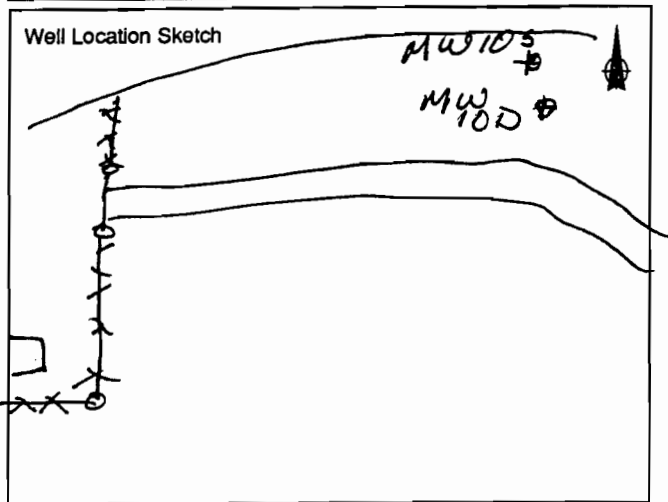
Bit Size (s) HX 3 7/8 Auger Size (s) 4 1/4

Auger/Split Spoon Refusal 19.0 / 11.5

Total Depth of Borehole Is 19.0

Total Depth of Corehole Is 92.491

Water Level (TOIC)		
Date	Time	Level (Feet)
1-21-93	1005	38.41 BGS



Depth (Feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
1	1	23	Fill				100			0	
		917									
2	2	87									
3		56									
4		22					75			15	
5	3	13									
6		44									
7	4	89									
8		57					45			15	
9	5	87									
10		109									
11	6	56									
12							30			10	
13											
14											
							35			0.5	
							0				

Stick-up _____ ft

Inner Casing Material PVC

Inner Casing Inside Diameter 2 Inches

Top of Grout _____ ft

Borehole Diameter 10 Inches

Top of Seal at 52.0

Bottom of Seal at 54.7

Top of Screen at 57.49 ft

Pack Type/Size:
☒ Sand
☐ Gravel
☐ Natural

Bottom of Screen at 92.49 ft

SCREENED WELL

Lock Number _____

GROUND SURFACE

Quantity of Material Used:
 Bentonite Pellets 1 Bag
 Cement 3 Bags
 Cement/Bentonite _____
 Grout ~28 gal
 Top of Sand Pack 54.7
 Screen Slot Size 0.010
 Screen Type _____
☒ PVC
☐ Stainless Steel

Bottom of Hole at 92.49 ft

Bottom of Sandpack at 92.49

OPEN-HOLE WELL

Stick-up _____ ft

Inner Casing Material _____

Inner Casing Inside Diameter _____ Inches

Top of Grout _____ ft

Bottom of Outer Casing _____ ft

Borehole Diameter _____ ft

Bedrock _____ ft

Bottom of Rock Socket/ Grout/ Casing _____ ft

Corehole Diameter _____

Bottom of Corehole _____ ft

NOTE: See pages 109 and 110 for well construction diagrams

Depth-ft.	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
1	0.0-2.0 Fill - Dry, Black to dk Brn, silt	○	○	○
2	siz, mottled with rust red staining	○	○	○
3	Minor degraded Rock Frags	○	○	○
4	2.0-4.0 - Fill, silt to sand, Mottled bright	○	○	○
5	rust sand, with black silt, occasional	○	○	○
6	degraded rock frags	○	○	○
7	4.0-5.5 - Fill moist Black uniform silt	○	○	○
8	5.5-6.0 silty sand, Fine grained, moist	○	○	○
9	grey green, minor roots, organic debris	○	○	○
10	6.0-8.0 Silty Sand, continuous, bedded,	○	○	○
11	moist occasional sub rounded pebbles	○	○	○
12	8.0-10.0 - ~~on~~ Silty Sand, no change	○	○	○
13	10.0-11.5 - as above	○	○	○
14		○	○	○
	14.0-14.2 No Sample	○	○	○

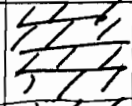
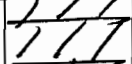
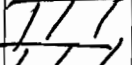
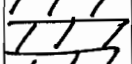
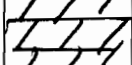
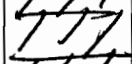
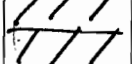
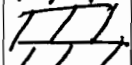
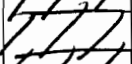
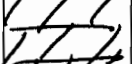
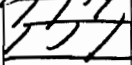
BOREHOLE NO. 10

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
16											
17											
18											
19											
20					13	1	92	68		0	
21											
22											
23											
24					21	2	98	70			
25											
26											
27											
28					14						
29						3	99	68		0	
30											
31											
32											
33											
34					18	4	100	86		0	
35											
36											
37											
38											
39					17	5	100	95		0	
40											
41											
42											
43											
44					20	6	100	94		5	

Depth(feet).	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
16		☐	☐	☐
17		☐	☐	☐
18		☐	☐	☐
19	18.1 - 20.0 Dolomite, light gray, finely bedded occasional carbonaceous parting - Ragged low angle fractures 19.4 and 20.0, 20.9, Partially 2° xtalized open vertical fracture, calcite 21.5 to 22.0	☐	☐	☐
20		☐	☐	☐
21		☐	☐	☐
22		☐	☐	☐
23		☐	☐	☐
24		☐	☐	☐
25		☐	☐	☐
26	26.9 - 31.9 - Dolomite continued	☐	☐	☐
27		☐	☐	☐
28		☐	☐	☐
29		☐	☐	☐
30		☐	☐	☐
31	31.9 - 37.2 - Dolomite - as above	☐	☐	☐
32		☐	☐	☐
33		☐	☐	☐
34		☐	☐	☐
35		☐	☐	☐
36		☐	☐	☐
37	37.2 - 42.3 - Dolomite - as above	☐	☐	☐
38		☐	☐	☐
39		☐	☐	☐
40		☐	☐	☐
41		☐	☐	☐
42	42.3 - 47.2 - Dolomite - as above	☐	☐	☐
43		☐	☐	☐
44		☐	☐	☐

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
46					20	6	100	94	—	5	
47									—		
48									—		
49									—		
50					22	7	100	95	—	3	
51									—		
52									—		
53									—		
54									—		
55					20	8	100	84	—	0	
56									—		
57									—		
58									—		
59					20	9	100	87	—	5	
60									—		
61									—		
62									—		
63									—		
64									—		
65					23	10	100	78	—	0	
66									—		
67									—		
68									—		
69									—		
70									—		
71					14	11	100	80	—	1	
72									—		
73									—		
74					25	12	100	86	—	3.5	
75									—		

Depth(feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
46		○	○	○
47		○	○	○
48	47.2-52.2- Dolomite, continues	○	○	○
49		○	○	○
50		○	○	○
51		○	○	○
52		○	○	○
53	52.2-57.4- Dolomite	○	○	○
54		○	○	○
55		○	○	○
56		○	○	○
57		○	○	○
58	57.4-62.7- Dolomite, increase in shaley partings, 1 st Anhydrite 60.0'	○	○	○
59		○	○	○
60		○	○	○
61		○	○	○
62		○	○	○
63	62.7-67.7- Dolomite with carbonaceous shaley partings	○	○	○
64		○	○	○
65		○	○	○
67		○	○	○
68	67.7-72.7- Dolomite, as above	○	○	○
69	Fractures lined with 2 nd Anhydrite	○	○	○
70		○	○	○
71		○	○	○
72		○	○	○
73	72.7- 78.12 - Dolomite as above	○	○	○
74		○	○	○
75		○	○	○

Depth(feet)	Sample Number	Blows on Sampler	Soil Components CL SL S GR	Rock Profile	Penetration Times	Run Number	Core Recovery	RQD	Fracture Sketch	HNu/OVA (ppm)	Comments
77					25	12					
78											
79											
80					24	13	100 + 95			1	
81											
82											
83											
84											
85					33	14	100 50			0	
86											
87											
88											
89											
90					24	15	100				
91					43	15		54		3	
92										0	
93									10		
94						16					
95											
96											
97											
98											
99											
100											
101											
102											
103											
104											
105											

Depth (feet)	NARRATIVE LITHOLOGIC DESCRIPTION	Moisture Content		
		Dry	Moist	Wet
77		☐	☐	☐
78		☐	☐	☐
79	78.0 - 83.7 - Dolomite continued moderate 2° Anhydrite	☐	☐	☐
80		☐	☐	☐
81		☐	☐	☐
82		☐	☐	☐
83	83.3 - 88.5 - Dolomite, with softer Dolomitic, not calcareous interbeds	☐	☐	☐
84		☐	☐	☐
85		☐	☐	☐
86		☐	☐	☐
87		☐	☐	☐
88	88.3 - 93.3 - Dolomite as run 14 large, 1", Anhydrite vug filling 92.5	☐	☐	☐
89		☐	☐	☐
90		☐	☐	☐
91		☐	☐	☐
92	Run 16 abandoned after bit problems at 93.5' TD 92.49	☐	☐	☐
93		☐	☐	☐
94		☐	☐	☐
95		☐	☐	☐
96		☐	☐	☐
97		☐	☐	☐
98		☐	☐	☐
99		☐	☐	☐
100		☐	☐	☐
101		☐	☐	☐
102		☐	☐	☐
103		☐	☐	☐
104		☐	☐	☐
105		☐	☐	☐

WELL DEVELOPMENT RECORD

SITE Dancing Farm

DATE 2/18/93, 3/17/93

LOCATION Gates, NY

WELL NO. MW-10D

MEASUREMENT OF WATER LEVEL AND WELL VOLUME

- Prior to sampling, the static water level and total depth of the well will be measured with a calibrated weighted line. Care will be taken to decontaminate equipment between each use to avoid cross contamination of wells.
- The number of linear feet of static water (difference between static water level and total depth of well) will be calculated.
- The static volume will be calculated using the formula:

$$V = Tr^2(0.163)$$

Where:

V = Static volume of well in gallons;

T = Depth of water in the well, measured in feet;

r = Inside radius of well casing in inches; and 0.163 = A constant conversion factor which compensates for r²h factor for the conversion of the casing radius from inches to feet, the conversion of cubic feet to gallons, and (pi).

1 well volume (v) = 8.86 gallons.

Volume of Water in Casing or Hole

Diameter of Casing or Hole (in)	Gallons per Foot of Depth	Cubic Feet per Foot of Depth	Liter per Meter of Depth	Cubic Meters per Meter of Depth
1	0.041	0.0055	0.509	0.509 x 10 ⁻³
1 1/2	0.092	0.0123	1.142	1.142 x 10 ⁻³
2	0.163	0.0218	2.024	2.024 x 10 ⁻³
2 1/2	0.255	0.0341	3.167	3.167 x 10 ⁻³
3	0.367	0.0491	4.558	4.558 x 10 ⁻³
3 1/2	0.500	0.0668	6.209	6.209 x 10 ⁻³
4	0.653	0.0873	8.110	8.110 x 10 ⁻³
4 1/2	0.826	0.1104	10.260	10.260 x 10 ⁻³
5	1.020	0.1364	12.670	12.670 x 10 ⁻³
5 1/2	1.234	0.1650	15.330	15.330 x 10 ⁻³
6	1.469	0.1963	18.240	18.240 x 10 ⁻³
7	2.000	0.2673	24.840	24.840 x 10 ⁻³
8	2.611	0.3491	32.430	32.430 x 10 ⁻³
9	3.305	0.4418	41.040	41.040 x 10 ⁻³
10	4.080	0.5454	50.670	50.670 x 10 ⁻³
11	4.937	0.6600	61.310	61.310 x 10 ⁻³
12	5.875	0.7854	72.960	72.960 x 10 ⁻³
14	8.000	1.0690	99.350	99.350 x 10 ⁻³
16	10.440	1.3960	129.650	129.650 x 10 ⁻³
18	13.220	1.7670	164.180	164.180 x 10 ⁻³
20	16.320	2.1820	202.680	202.680 x 10 ⁻³
22	19.750	2.6400	245.280	245.280 x 10 ⁻³
24	23.500	3.1420	291.850	291.850 x 10 ⁻³
26	27.580	3.6870	342.520	342.520 x 10 ⁻³
28	32.000	4.2760	397.410	397.410 x 10 ⁻³
30	36.720	4.9090	456.020	456.020 x 10 ⁻³
32	41.780	5.5850	518.870	518.870 x 10 ⁻³
34	47.160	6.3050	585.680	585.680 x 10 ⁻³
36	52.880	7.0690	656.720	656.720 x 10 ⁻³

1 Gallon = 3.785 liters

1 Meter = 3.281 feet

1 Gallon water weighs 8.33 lbs. = 37.785 kilograms

1 Liter water weighs 1 kilogram = 2.205 pounds

1 Gallon per foot of depth = 12.419 liters per foot of depth

1 Gallon per meter of depth = 12.419 x 10⁻³ cubic meters per meter of depth

INITIAL DEVELOPMENT WATER

WATER LEVEL (TOIC) 40.3

3/17/93 39.76'

WELL DEPTH (TD) 94.6

COLOR black

ODOR organic odor

CLARITY turbid

FINAL DEVELOPMENT WATER

WATER LEVEL (TOIC) NH

WELL DEPTH (TD) 94-36

COLOR black

ODOR Organic Odor

CLARITY turbid

DESCRIPTION OF DEVELOPMENT TECHNIQUE

Submersible Pump

WELL DEVELOPMENT - PARAMETER MEASUREMENTS

mw-10D

TIME	TOTAL VOL. WITHDRAWN		pH	COND. (umhos/cm)	TEMP. (C)	TURB. (NTU)	COMMENTS
	GALS.	BORE VOL.					
2/18/93							
1330	0		7.28	1652	10.4		Very turbid, organic odor
			7.41	1643	12.5		
	0		7.29	1641	12.5		
			7.31	1649	12.7		
	20		7.35	1646	12.8		
	25		7.37	1646	12.6		
1345	27		7.37	1644	12.5	87.5	
3/17/93							
1133	0		7.19	1838	6.7	>200	CVA=952 PPM Organic odor
1136	10		7.16	1821	9.9		Very Turbid, black
1143	20		7.84	1810	9.5		cloudy
1147	30		7.80	1800	9.5		Little improvement
1152	40		7.80	1796	9.6		no change, cloudy
1157	50		7.76	1793	9.1		turbid
1201	60		7.75	1790	9.1		no improvement
1205	70		7.74	1790	9.0		" "
1209	80		7.78	1789	9.3		cloudy
1213	90		7.74	1789	9.4		"
1218	100		7.73	1790	9.3		"
1222	110		7.72	1790	9.4	↓	no improvement ↓

Feb 18 Transferred from logbook No. 4, Pg 8 (GW Sampling)
 March 17 " " Geotechnical logbook for mw-10D

DEVELOPED BY: G-Jones / T. Summers / J. Mays
 G-Jones / G. Florentin

DATE 2-18-93
 3-14-93

MW 10 D

03/18/93

DEVELOPED BY: Purple J Deer / J Herman

DATE 03/18/93

APPENDIX C

ANALYTICAL DATA SUMMARY SHEETS

ORGANIC DATA QUALIFIERS

- U - Indicates that the compound was analyzed for but not detected at or above the Contract Required Quantitation Limit (CRQL), or the compound is not detected due to qualification through the method or field blank.
- J - The associated numerical value is an estimated quantity.
- NJ - Tentatively identified with approximated concentrations.
- UJ - The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance in quality control limits.
- C - Applies to pesticide results where the identification has been confirmed by GC/MS.
- E - Reported value is estimated due to quantitation above the calibration range.
- D - Reported result taken from diluted sample analysis.
- X - The compound is a breakdown product of endrin.
- A - Aldol condensation product.
- R - Reported value is unusable and rejected due to variance from quality control limits.
- NA - Not Analyzed.

INORGANIC DATA QUALIFIERS

- U - Indicates analyte was not detected at or below the Contract Required Detection Limit (CRDL), or the compound is not detected due to qualification through the method or field blank.
- B - Indicates analyte result is between Instrument Detection Limit (IDL) and CRDL.
- J - Reported value is estimated due to variance from quality control limits.
- UJ - The element was analyzed for, but not detected. The sample quantitation limit is an estimate due to variance in quality control limits.
- E - Reported value is estimated because of the presence of interference.
- R - Reported value is unusable and rejected due to variance from quality control limits.
- N.A. Not Analyzed.

$$\sum_{j=0}^{\infty} \frac{t^{n+j}}{(n+j)!} = e^t$$

C-5

[illegible]

Parameters - Volatiles	BH-5V	Q	BH-14V	Q	BH-15V	Q	BH-21V	Q	BH-32V	Q	BH-32VDUP	Q	BH-33V	Q	BH-33VRE	Q	BH-93	Q
Chloromethane																		
Bromomethane																		
Vinyl Chloride																		
Chloroethane																		
Methylene Chloride	12	U	12	U	10	U	11	U	13	U	11	U	10	U	14	U	10	U
Acetone			12	U					12	U					11	U		
Carbon Disulfide																		
1,1-Dichloroethylene																		
1,1-Dichloroethane																		
Total 1,2-Dichloroethylene																		
Chloroform																		
1,2-Dichloroethane																		
2-Butanone																		
1,1,1-Trichloroethane																		
Carbon Tetrachloride																		
Bromodichloromethane																		
1,2-Dichloropropane																		
cis-1,3-Dichloropropene																		
Trichloroethene																		
Dibromochloromethane																		
1,1,2-Trichlorethane																		
Benzene																		
trans-1,3-Dichloropropene																		
Bromoform		UJ				UJ		UJ						UJ				
4-Methyl-2-pentanone																		
2-Hexanone														UJ		UJ		
Tetrachloroethene														UJ		UJ		
1,1,2,2-Tetrachloroethane														UJ		UJ		
Toluene														UJ	11	U		
Chlorobenzene														UJ		UJ		
Ethylbenzene														UJ		UJ		
Styrene														UJ		UJ		
Total Xylenes														UJ		UJ		

DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters - Volatiles	BH-102D	Q	BH-105D	Q	BH-181D	Q	BH-205D	Q	BH-206D	Q	MW-4S	Q	MW-8S	Q
Chloromethane														
Bromomethane														
Vinyl Chloride														
Chloroethane														
Methylene Chloride	11	U	12	U	12	U	11	U	11	U	10	U	11	U
Acetone							11	U	11	U	10	U	11	U
Carbon Disulfide														
1,1-Dichloroethylene														
1,1-Dichloroethane														
Total 1,2-Dichloroethylene														
Chloroform														
1,2-Dichloroethane														
2-Butanone														
1,1,1-Trichloroethane														
Carbon Tetrachloride														
Bromodichloromethane														
1,2-Dichloropropane														
cis-1,3-Dichloropropene														
Trichloroethene														
Dibromochloromethane														
1,1,2-Trichloroethane														
Benzene														
trans-1,3-Dichloropropene														
Bromoform										UJ				UJ
4-Methyl-2-pentanone														
2-Hexanone														
Tetrachloroethene														
1,1,2,2-Tetrachloroethane														
Toluene														
Chlorobenzene														
Ethylbenzene														
Styrene														
Total Xylenes														

DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters - Volatiles	VBLKS1	Q	VBLKS2	Q	VBLKS3	Q	MSB	Q	BH-102DMS	Q	BH-102DMSD	Q
Chloromethane												
Bromomethane												
Vinyl Chloride												
Chloroethane												
Methylene Chloride	2 J		2 J		6 J		10 U		11 U		10 U	
Acetone	23 J		5 J									
Carbon Disulfide												
1,1-Dichloroethylene							52		63		51	
1,1-Dichloroethane												
Total 1,2-Dichloroethylene												
Chloroform												
1,2-Dichloroethane												
2-Butanone												
1,1,1-Trichloroethane												
Carbon Tetrachloride												
Bromodichloromethane												
1,2-Dichloropropane												
cis-1,3-Dichloropropene												
Trichloroethene							48		55		46	
Dibromochloromethane												
1,1,2-Trichloroethane												
Benzene							50		59		48	
trans-1,3-Dichloropropene												
Bromoform		UJ										
4-Methyl-2-pentanone												
2-Hexanone												
Tetrachloroethene												
1,1,2,2-Tetrachloroethane												
Toluene							50		56		46	
Chlorobenzene							50		56		46	
Ethylbenzene												
Styrene												
Total Xylenes												

**DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY**

CASE NO. 9300.005

All results reported in ug/L

Parameters - Volatiles	BH-R-1-5	Q	BH-TB-1-4	Q	VBLKW1	Q	MSB1	Q	BH-TB-1-4MS	Q	BH-TB-1-4MSD	Q
Chloromethane												
Bromomethane												
Vinyl Chloride												
Chloroethane												
Methylene Chloride	11	U	11	U	11		14	U	15	U	16	U
Acetone		UJ		UJ		UJ		UJ		UJ		UJ
Carbon Disulfide												
1,1-Dichloroethylene							52		44		42	
1,1-Dichloroethane												
Total 1,2-Dichloroethylene												
Chloroform												
1,2-Dichloroethane												
2-Butanone		UJ		UJ		UJ		UJ		UJ		UJ
1,1,1-Trichloroethane												
Carbon Tetrachloride												
Bromodichloromethane												
1,2-Dichloropropane												
cis-1,3-Dichloropropene												
Trichloroethene							52		43		45	
Dibromochloromethane												
1,1,2-Trichloroethane												
Benzene							54		46		47	
trans-1,3-Dichloropropene												
Bromoform												
4-Methyl-2-pentanone												
2-Hexanone												
Tetrachloroethene												
1,1,2,2-Tetrachloroethane												
Toluene		2 J					53		45		45	
Chlorobenzene							52		45		45	
Ethylbenzene												
Styrene												
Total Xylenes		1 J										

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/SOIL - DATA SUMMARY

All results reported in ug/Kg

[illegible]

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Tentatively Identified Compounds	BH-102D	Q	BH-105D	Q	BH-181D	Q	BH-205D	Q	BH-206D	Q	MW-4S	Q	MW-8S	Q
Unknown Oxy. Hydrocarbon													6	J

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Tentatively Identified Compounds	VBLKS1	Q	VBLKS2	Q	VBLKS3	Q	MSB	Q
Unknown Oxy. Hydrocarbon								

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.005

All results reported in ug/L

Tentatively Identified Compounds	BH-R-1-5	Q	BH-TB-1-4	Q	VBLKW1	Q	MSB1	Q
Unknown Chlorinated Hydrocarbon	41	J						
Unknown Chlorinated Hydrocarbon	11	J						
Unknown Chlorinated Hydrocarbon	39	J						
Unknown Chlorinated Hydrocarbon	12	J						
Unknown Chlorinated Hydrocarbon	14	J						
Unknown Chlorinated Hydrocarbon								
Unknown			5	J				

**DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY**

CASE NO. 9300.238
SDG NO. MW1D

All results reported in ug/Kg

Parameters - Volatiles	MW1D	Q	MW1DD	Q	VBLKS1	Q	MSB	Q	MW1DMS	Q	MW1DMSD	Q
Chloromethane												
Bromomethane												
Vinyl Chloride												
Chloroethane												
Methylene Chloride	13	U	11	U	7	J	10	U	13	U	12	U
Acetone	13	U	11	U	7	J	10	U	13	U	12	U
Carbon Disulfide												
1,1-Dichloroethylene							46		61		46	
1,1-Dichloroethane												
Total 1,2-Dichloroethylene												
Chloroform												
1,2-Dichloroethane												
2-Butanone												
1,1,1-Trichloroethane												
Carbon Tetrachloride												
Bromodichloromethane												
1,2-Dichloropropane												
cis-1,3-Dichloropropene												
Trichloroethene							43		58		45	
Dibromochloromethane												
1,1,2-Trichloroethane												
Benzene							42		57		46	
trans-1,3-Dichloropropene												
Bromoform		UJ		UJ		UJ		UJ		UJ		UJ
4-Methyl-2-pentanone												
2-Hexanone												
Tetrachloroethene												
1,1,2,2-Tetrachloroethane												
Toluene	1	J					45		60		49	
Chlorobenzene							48		62		50	
Ethylbenzene												
Styrene												
Total Xylenes												

DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/SOIL - DATA SUMMARY

CASE NO. 238**All results reported in ug/Kg**

Tentatively Identified Compounds	MW1D	Q	MW1DD	Q	VBLKS1	Q	MSB	Q

DEARCOP FARM SITE VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/Kg

Parameters - Volatiles	MW-2D	Q	SED-4	Q	SED-5	Q	SED-6	Q	VBLKS1	Q	VBLKS2	Q	MSB1	Q	SED-6MS	Q	SED-6MSD	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Bromomethane																		
Vinyl Chloride		UJ		UJ		UJ						UJ						
Chloroethane																		
Methylene Chloride	11	U	16	U	17	U	16	U	5	J	4	J	10	U	17	U	17	U
Acetone	11	U					18	U	12	J	3	J	16	U	21	U	17	U
Carbon Disulfide							18	U					10	U	17	U	17	U
1,1-Dichloroethylene													47		84		81	
1,1-Dichloroethane							3	J							3	J	2	J
Total 1,2-Dichloroethylene							5	J							4	J	4	J
Chloroform																		
1,2-Dichloroethane															1	J	1	J
2-Butanone	3	J											2	J	4	J	3	J
1,1,1-Trichloroethane																		
Carbon Tetrachloride																		
Bromodichloromethane																		
1,2-Dichloropropane																		
cis-1,3-Dichloropropene																		
Trichloroethene							2	J					51		88		88	
Dibromochloromethane																		
1,1,2-Trichloroethane																		
Benzene													52		81		79	
trans-1,3-Dichloropropene																		
Bromoform																		
4-Methyl-2-pentanone																		
2-Hexanone								UJ		UJ				UJ		UJ		UJ
Tetrachloroethene																		
1,1,2,2-Tetrachloroethane		UJ		UJ		UJ						UJ						
Toluene	3	J											50		65		69	
Chlorobenzene													52		78		86	
Ethylbenzene																		
Styrene																		
Total Xylenes							1	J										

DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/Kg

Tentatively Identified Compounds	MW-2D	Q	SED-4	Q	SED-5	Q	SED-6	Q	VBLKS1	Q	VBLKS2	Q	MSB1	Q
Hexane							15	U	5	NJ				

**DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY**

CASE NO. 9203.240

All results reported in ug/Kg

Parameters - Volatiles	MW-3D	Q	MW-5D	Q	MW-9S	Q	VBLKS1	Q	VBLKS2	Q	VBLKS3	Q	MSB	Q	MW-5DMS	Q	MW-5DMSD	Q
Chloromethane						UJ						UJ						
Bromomethane																		
Vinyl Chloride																		
Chloroethane																		
Methylene Chloride	12	U	11	U		UJ	4	J	5	J	3	J	10	U	11	U	11	U
Acetone	140	J	11	U	12	U	3	J		UJ	7	J		UJ	11	U	11	U
Carbon Disulfide						UJ						UJ						
1,1-Dichloroethylene													46		48		56	
1,1-Dichloroethane																		
Total 1,2-Dichloroethylene																		
Chloroform																		
1,2-Dichloroethane																		
2-Butanone	32	J		UJ				UJ		UJ				UJ		UJ		UJ
1,1,1-Trichloroethane																		
Carbon Tetrachloride																		
Bromodichloromethane																		
1,2-Dichloropropane																		
cis-1,3-Dichloropropene																		
Trichloroethene													44		49		54	
Dibromochloromethane																		
1,1,2-Trichloroethane																		
Benzene													44		48		53	
trans-1,3-Dichloropropene																		
Bromoform																		
4-Methyl-2-pentanone																		
2-Hexanone																		
Tetrachloroethene						UJ						UJ						
1,1,2,2-Tetrachloroethane																		
Toluene	7	J											44		49		54	
Chlorobenzene													43		47		52	
Ethylbenzene																		
Styrene																		
Total Xylenes																		

C-17

DEARCOP FARM SITE

CASE NO. 9203.240

All results reported in ug/Kg

Tentatively Identified Compounds	MW-3D Q	MW-5D Q	MW-9S Q	VBLKS1 Q	VBLKS2 Q	VBLKS3 Q	MSB Q

DEARCO FARM SITE
VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.133
SDG NO. MW-10D

All results reported in ug/Kg

Parameters - Volatiles	MW-10D	Q	VBLKS1	Q	MSB	Q	MW-10DMS	Q	MW-10DMSD	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride	11	U	1	J	10	U	11	U		
Acetone	11	U	3	J	10	U	11	U		
Carbon Disulfide										
1,1-Dichloroethylene					44		45		49	
1,1-Dichloroethane										
Total 1,2-Dichloroethylene										
Chloroform										
1,2-Dichloroethane										
2-Butanone										
1,1,1-Trichloroethane										
Carbon Tetrachloride										
Bromodichloromethane										
1,2-Dichloropropane										
cis-1,3-Dichloropropene										
Trichloroethene					47		47		52	
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene					45		48		53	
trans-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-pentanone										
2-Hexanone										
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene					46		52		55	
Chlorobenzene					46		49		54	
Ethylbenzene										
Styrene										
Total Xylenes										

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.133

All results reported in ug/L

SDG NO. MW-10D

Parameters - Volatiles	STORAGE BLK	Q	VBLKW1	Q
Chloromethane				
Bromomethane				
Vinyl Chloride				
Chloroethane				
Methylene Chloride	10	U	2	J
Acetone		UJ		UJ
Carbon Disulfide				
1,1-Dichloroethylene				
1,1-Dichloroethane				
Total 1,2-Dichloroethylene				
Chloroform				
1,2-Dichloroethane				
2-Butanone		UJ		UJ
1,1,1-Trichloroethane				
Carbon Tetrachloride				
Bromodichloromethane				
1,2-Dichloropropane				
cis-1,3-Dichloropropene				
Trichloroethene				
Dibromochloromethane				
1,1,2-Trichloroethane				
Benzene				
trans-1,3-Dichloropropene				
Bromoform		UJ		UJ
4-Methyl-2-pentanone		UJ		UJ
2-Hexanone		UJ		UJ
Tetrachloroethene				
1,1,2,2-Tetrachloroethane				
Toluene				
Chlorobenzene				
Ethylbenzene				
Styrene				
Total Xylenes				

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/SOILS - DATA SUMMARY

CASE NO. 133
SDG NO. MW-10D

All results reported in ug/Kg

Tentatively Identified Compounds	MW-10D	Q	VBLKS1	Q	MSB	Q

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/WATER - DATA SUMMARYCASE NO. 9300.133
SDG NO. MW-10D

All results reported in ug/L

Tentatively Identified Compounds	STORAGE BLK	Q	VBLKW1	Q
Methylester Benzoic Acid	7	U	5	NJ

**DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY**

CASE NO. 9202.923

All results reported in ug/Kg

Parameters - Volatiles	TP-1A	Q	TP-1B	Q	TP-2A	Q	TP-2AD	Q	TP-2B	Q	TP-2BDL	Q	TP-2C	Q	VBLKS1	Q
Chloromethane		U		U		U		U		U						U
Bromomethane																
Vinyl Chloride																
Chloroethane																
Methylene Chloride											48 U		2700 U		2 J	
Acetone		U		U	58 U			U		U	70 U					U
Carbon Disulfide																
1,1-Dichloroethylene																
1,1-Dichloroethane					52 J		110		95		25 DJ		3700			
Total 1,2-Dichloroethylene									34		8 DJ		1100			
Chloroform																
1,2-Dichloroethane													1300			
2-Butanone																
1,1,1-Trichloroethane					310		670		320 E		34 DJ		7400			
Carbon Tetrachloride																
Bromodichloromethane																
1,2-Dichloropropane																
cis-1,3-Dichloropropene																
Trichloroethene					120		310		7 J				23000			
Dibromochloromethane																
1,1,2-Trichloroethane																
Benzene																
trans-1,3-Dichloropropene																
Bromoform																
4-Methyl-2-pentanone																
2-Hexanone																
Tetrachloroethene					84		240									
1,1,2,2-Tetrachloroethane																
Toluene					6 J		10 J		99		24 DJ		18000		J	
Chlorobenzene																
Ethylbenzene									3 J							
Styrene																
Total Xylenes					28 J		60		68		19 DJ		3800		J	

DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9202.923

All results reported in ug/Kg

Parameters - Volatiles	VBLKS2	Q	VBLKM1	Q	MSB	Q	TP-1BMS	Q	TP-1BMSD	Q
Chloromethane						U		U		U
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride	3	J	520	J			11	U		
Acetone	8	J		U		U		U		U
Carbon Disulfide				X						
1,1-Dichloroethylene					52		61		58	
1,1-Dichloroethane										
Total 1,2-Dichloroethylene										
Chloroform										
1,2-Dichloroethane										
2-Butanone					1	J				
1,1,1-Trichloroethane										
Carbon Tetrachloride										
Bromodichloromethane										
1,2-Dichloropropane										
cis-1,3-Dichloropropene										
Trichloroethene					49		55		53	
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene					49		55		53	
trans-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-pentanone				U						
2-Hexanone				U						
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene					52		56		55	
Chlorobenzene					50		56		53	
Ethylbenzene										
Styrene										
Total Xylenes										

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9202.923

All results reported in ug/Kg

Tentatively Identified Compounds	TP-1A	Q	TP-1B	Q	TP-2A	Q	TP-2AD	Q	TP-2B	Q	TP-2BDL	Q	TP-2C	Q	VBLKS1	Q	VBLKS2	Q	VBLKM1	Q
Chlorobenzene Isomer							210	JN												
Trimethylcyclohexane Isomer							200	JN												
Unknown Chlorinated Hydrocar					230	JN	800	JN	210	JN	63	JN	22000	JN						
Unknown Chlorinated Hydrocar					87	JN	470	JN	32	JN			2300	JN						
Unknown Chlorinated Hydrocar					4300	JN	310	JN												
Unknown Chlorinated Hydrocar					1200	JN	18000	JN												
Unknown Chlorinated Hydrocar					370	JN	5400	JN												
Unknown Chlorinated Hydrocar					120	JN	2000	JN												
Unknown Chlorinated Hydrocar							610	JN												
Unknown Oxygenated Hydrocarb					55	JN	350	JN												
Unknown					35	JN			11	JN										
Unknown					31	JN														
Unknown					36	JN														

**DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY**

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - Volatiles	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3AD	Q	TP-3ADRE	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Bromomethane																		
Vinyl Chloride																		
Chloroethane																		
Methylene Chloride	15	U	15	U	14	U	16	U	11	U	13	U	13	U	11	U	11	U
Acetone	15	U	15	U	14	U	16	U	11	U	13	U	13	U	13	U	21	U
Carbon Disulfide	10	J																
1,1-Dichloroethylene																		
1,1-Dichloroethane																		
Total 1,2-Dichloroethylene																		
Chloroform																		
1,2-Dichloroethane																		
2-Butanone													4	J			3	J
1,1,1-Trichloroethane											20							
Carbon Tetrachloride																		
Bromodichloromethane																		
1,2-Dichloropropane																		
cis-1,3-Dichloropropene																		
Trichloroethene																		
Dibromochloromethane																		
1,1,2-Trichloroethane																		
Benzene																		
trans-1,3-Dichloropropene																		
Bromoform																		
4-Methyl-2-pentanone																		
2-Hexanone		UJ		UJ		UJ		UJ						UJ		UJ		UJ
Tetrachloroethene																		UJ
1,1,2,2-Tetrachloroethane										UJ		UJ						UJ
Toluene									3	J	18		2	J	1	J	2	J
Chlorobenzene									2	J								UJ
Ethylbenzene																		UJ
Styrene																		UJ
Total Xylenes																		UJ

DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - Volatiles	TP-3B	Q	TP-4A	Q	TP-4B	Q	TP-5A	Q	TP-5B	Q	TP-5C	Q	TP-6A	Q	TP-6B	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ		UJ				UJ
Bromomethane																
Vinyl Chloride																
Chloroethane																
Methylene Chloride	11	U	14	U	12	U	11	U	12	U	11	U	70000	J	52	U
Acetone	20	U	94	U	21	U	14	U	30	U	24	U	260000	J	2100	E
Carbon Disulfide																
1,1-Dichloroethylene																
1,1-Dichloroethane									53		6	J			24	J
Total 1,2-Dichloroethylene							2	J	42		5	J			19	J
Chloroform																
1,2-Dichloroethane													320000		340	
2-Butanone	4	J	15				3	J	2	J					44	J
1,1,1-Trichloroethane									47		2	J	880000		56	
Carbon Tetrachloride																
Bromodichloromethane																
1,2-Dichloropropane																
cis-1,3-Dichloropropene																
Trichloroethene							5	J	59		4	J			53	
Dibromochloromethane																
1,1,2-Trichloroethane																
Benzene								UJ						UJ		UJ
trans-1,3-Dichloropropene																
Bromoform																
4-Methyl-2-pentanone															310	
2-Hexanone		UJ		UJ		UJ		UJ		UJ		UJ				UJ
Tetrachloroethene															4	J
1,1,2,2-Tetrachloroethane																
Toluene			2	J			2	J					3400000	E	230	J
Chlorobenzene							3	J						UJ		UJ
Ethylbenzene								UJ					110000	J		UJ
Styrene								UJ						UJ		UJ
Total Xylenes								UJ					580000	J	29	J

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DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - Volatiles	TP-6BDL	Q	TP-7A	Q	TP-7B	Q	VBLKS1	Q	VBLKS2	Q	VBLKS3	Q	VBLKS4	Q	VBLKM1	Q
Chloromethane				UJ		UJ		UJ		UJ		UJ		UJ		
Bromomethane																
Vinyl Chloride																
Chloroethane																
Methylene Chloride	1400	U	12	U	12	U	4	J	4	J	5	J	4	J	400	J
Acetone	3200	DJ	23	U	29	U	5	J	9	J	12	J	11	J		
Carbon Disulfide					2	J										
1,1-Dichloroethylene																
1,1-Dichloroethane					4	J										
Total 1,2-Dichloroethylene					4	J										
Chloroform																
1,2-Dichloroethane					2	J										
2-Butanone					6	J										
1,1,1-Trichloroethane																
Carbon Tetrachloride																
Bromodichloromethane																
1,2-Dichloropropane																
cis-1,3-Dichloropropene																
Trichloroethene			24		4	J										
Dibromochloromethane																
1,1,2-Trichloroethane																
Benzene		UJ			2	J										
trans-1,3-Dichloropropene																
Bromoform																
4-Methyl-2-pentanone																
2-Hexanone				UJ		UJ				UJ		UJ		UJ		
Tetrachloroethene																
1,1,2,2-Tetrachloroethane								UJ								
Toluene		UJ		1	J	2	J									
Chlorobenzene		UJ														
Ethylbenzene		UJ														
Styrene		UJ														
Total Xylenes		UJ				6	J									

DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - Volatiles	MSB	Q	MSB1	Q	SED-3DMS	Q	TP-6BDLMS	Q	SED-3DMSD	Q	TP-6BDLMSD	Q
Chloromethane		UJ				UJ				UJ		
Bromomethane												
Vinyl Chloride												
Chloroethane												
Methylene Chloride	10	U	1200	U	15	U	1400	U	16	U	1400	U
Acetone	10	U	3000	J	15	U			16	U		
Carbon Disulfide												
1,1-Dichloroethylene	48		7100		74		7500	D	71		7100	D
1,1-Dichloroethane												
Total 1,2-Dichloroethylene												
Chloroform												
1,2-Dichloroethane												
2-Butanone												
1,1,1-Trichloroethane												
Carbon Tetrachloride												
Bromodichloromethane												
1,2-Dichloropropane												
cis-1,3-Dichloropropene												
Trichloroethene	48		8100		71		8500	D	71		8300	D
Dibromochloromethane												
1,1,2-Trichloroethane												
Benzene	47		8200		68		8400	DJ	71		8100	DJ
trans-1,3-Dichloropropene												
Bromoform												
4-Methyl-2-pentanone												
2-Hexanone		UJ				UJ				UJ		
Tetrachloroethene												
1,1,2,2-Tetrachloroethane												
Toluene	50		8100		70		8600	DJ	75		8200	DJ
Chlorobenzene	48		8400		68		8600	DJ	73		8100	DJ
Ethylbenzene								UJ				UJ
Styrene								UJ				UJ
Total Xylenes								UJ				UJ

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3AD	Q
Hexane																
Unknown Chlorinated Compound																
Unknown Alkyl Cycloalkane																
Unknown Alkyl Cycloalkane																
Unknown Alkyl Cycloalkane																
Unknown Alkyl Cycloalkane																
Unknown Alkyl Cycloalkane																
Unknown Hydrocarbon																
Unknown Hydrocarbon																
Unknown Hydrocarbon																
Unknown Cycloalkane																
Unknown									9	NJ	7	NJ				
Unknown									6	NJ						

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	TP-3ADRE	Q	TP-3B	Q	TP-4A	Q	TP-4B	Q	TP-5A	Q	TP-5B	Q	TP-5C	Q	TP-6A	Q
Hexane	10	U	10	U									9	U		
Unknown Chlorinated Compound															110000	NJ
Unknown Alkyl Cycloalkane																
Unknown Alkyl Cycloalkane																
Unknown Alkyl Cycloalkane																
Unknown Alkyl Cycloalkane																
Unknown Alkyl Cycloalkane																
Unknown Hydrocarbon																
Unknown Hydrocarbon																
Unknown Hydrocarbon																
Unknown Cycloalkane																
Unknown					8	NJ									560000	NJ
Unknown																

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	TP-6B	Q	TP-6BDL	Q	TP-7A	Q	TP-7B	Q	VBLKS1	Q	VBLKS2	Q	VBLKS3	Q	VBLKS4	Q
Hexane											5	NJ	5	NJ		
Unknown Chlorinated Compound																
Unknown Alkyl Cycloalkane							24	NJ								
Unknown Alkyl Cycloalkane							23	NJ								
Unknown Alkyl Cycloalkane							33	NJ								
Unknown Alkyl Cycloalkane							36	NJ								
Unknown Alkyl Cycloalkane							24	NJ								
Unknown Hydrocarbon							24	NJ								
Unknown Hydrocarbon							31	NJ								
Unknown Hydrocarbon							40	NJ								
Unknown Cycloalkane							36	NJ								
Unknown							36	NJ								
Unknown																

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	VBLKM1	Q	MSB	Q	MSB1	Q
Hexane						
Unknown Chlorinated Compound						
Unknown Alkyl Cycloalkane						
Unknown Alkyl Cycloalkane						
Unknown Alkyl Cycloalkane						
Unknown Alkyl Cycloalkane						
Unknown Alkyl Cycloalkane						
Unknown Hydrocarbon						
Unknown Hydrocarbon						
Unknown Hydrocarbon						
Unknown Cycloalkane						
Unknown						
Unknown						

**DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY**

CASE NO. 9203.112

All results reported in ug/Kg

Parameters - Volatiles	SS-1	Q	SS-2	Q	SS-2RE	Q	SS-3	Q	SS-3RE	Q	SS-4	Q	SS-4RE	Q	SS-5	Q	SS-6	Q	SS-7	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Bromomethane										UJ										
Vinyl Chloride										UJ										
Chloroethane										UJ										
Methylene Chloride					14	U	19	U	20	U			12	U	11	U	12	U	11	U
Acetone	13	U	14	U	14	U	24	U	29	U	11	U	12	U	11	U	12	U	11	U
Carbon Disulfide										UJ										
1,1-Dichloroethylene										UJ										
1,1-Dichloroethane										UJ										
Total 1,2-Dichloroethylene										UJ										
Chloroform										UJ										
1,2-Dichloroethane										UJ										
2-Butanone		UJ		UJ				UJ		UJ		UJ								UJ
1,1,1-Trichloroethane										UJ										
Carbon Tetrachloride										UJ										
Bromodichloromethane										UJ										
1,2-Dichloropropane										UJ										
cis-1,3-Dichloropropene										UJ										
Trichloroethene										UJ					2	J				
Dibromochloromethane										UJ										
1,1,2-Trichloroethane										UJ										
Benzene										UJ										
trans-1,3-Dichloropropene										UJ										
Bromoform										UJ										
4-Methyl-2-pentanone										UJ										
2-Hexanone										UJ					UJ					
Tetrachloroethene										UJ					UJ					
1,1,2,2-Tetrachloroethane										UJ					UJ					
Toluene							3	J		UJ					UJ					
Chlorobenzene							4	J		UJ					UJ					
Ethylbenzene										UJ					UJ					
Styrene										UJ					UJ					
Total Xylenes										UJ					UJ					

DEARCO FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.112

All results reported in ug/Kg

Parameters - Volatiles	SS-7D	Q	SS-8	Q	SS-8RE	Q	SS-9	Q	SS-9RE	Q	SS-10	Q	SS-10RE	Q	SS-11	Q	SS-12	Q	SS-13	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Bromomethane																				
Vinyl Chloride								UJ				UJ						UJ		UJ
Chloroethane																				
Methylene Chloride	11	U	11	U	11	U	12	U	12	U			11	U	11	U	12	U	11	U
Acetone	11	U	11	U			12	U	12	U	12	U	11	U	11	U	12	U	11	U
Carbon Disulfide								UJ				UJ			2	J		UJ		UJ
1,1-Dichloroethylene																				
1,1-Dichloroethane																				
Total 1,2-Dichloroethylene																				
Chloroform																				
1,2-Dichloroethane																				
2-Butanone		UJ		UJ																
1,1,1-Trichloroethane																				
Carbon Tetrachloride																				
Bromodichloromethane																				
1,2-Dichloropropane																				
cis-1,3-Dichloropropene																				
Trichloroethene																				
Dibromochloromethane																				
1,1,2-Trichlorethane																				
Benzene																				
trans-1,3-Dichloropropene																				
Bromoform																				
4-Methyl-2-pentanone																				
2-Hexanone																				
Tetrachloroethene																				
1,1,2,2-Tetrachloroethane						UJ				UJ				UJ						
Toluene																				
Chlorobenzene																				
Ethylbenzene																				
Styrene																				
Total Xylenes															1	J				

DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.112

All results reported in ug/Kg

Parameters - Volatiles	SS-13D	Q	SS-14	Q	SS-15	Q	SS-15RE	Q	SS-16	Q	SS-17	Q	SS-18	Q	SS-18RE	Q	VBLKS1	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Bromomethane																		
Vinyl Chloride		UJ		UJ														
Chloroethane																		
Methylene Chloride	11	U	11	U	11	U	11	U	11	U	12	U	11	U	11	U	1	J
Acetone	15	U	11	U	11	U	11	U	11	U	12	U	11	U	11	U	7	J
Carbon Disulfide		UJ		UJ	2	J			3	J								
1,1-Dichloroethylene																		
1,1-Dichloroethane																		
Total 1,2-Dichloroethylene																		
Chloroform																		
1,2-Dichloroethane																		
2-Butanone							3	J	4	J								UJ
1,1,1-Trichloroethane																		
Carbon Tetrachloride																		
Bromodichloromethane																		
1,2-Dichloropropane																		
cis-1,3-Dichloropropene																		
Trichloroethene					2	J												
Dibromochloromethane																		
1,1,2-Trichloroethane																		
Benzene																		
trans-1,3-Dichloropropene																		
Bromoform																		
4-Methyl-2-pentanone																		
2-Hexanone						UJ												
Tetrachloroethene						UJ												
1,1,2,2-Tetrachloroethane						UJ		UJ		UJ						UJ		
Toluene					1	J												
Chlorobenzene						UJ												
Ethylbenzene						UJ												
Styrene						UJ												
Total Xylenes						UJ												

DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.112

All results reported in ug/Kg

Parameters - Volatiles	SS-14MS	Q	SS-4MSD	Q	SS-11MSD	Q	SS-14MSD	Q
Chloromethane		UJ		UJ		UJ		UJ
Bromomethane								
Vinyl Chloride		UJ						UJ
Chloroethane								
Methylene Chloride	11	U	12	U	12	U	11	U
Acetone	11	U	12	U	14	U	11	U
Carbon Disulfide		UJ			1	J		UJ
1,1-Dichloroethylene	59		61		62		55	
1,1-Dichloroethane								
Total 1,2-Dichloroethylene								
Chloroform								
1,2-Dichloroethane								
2-Butanone				UJ				
1,1,1-Trichloroethane								
Carbon Tetrachloride								
Bromodichloromethane								
1,2-Dichloropropane								
cis-1,3-Dichloropropene								
Trichloroethene	54		55		60		54	
Dibromochloromethane								
1,1,2-Trichloroethane								
Benzene	60		59		59		63	
trans-1,3-Dichloropropene								
Bromoform								
4-Methyl-2-pentanone								
2-Hexanone								
Tetrachloroethene								
1,1,2,2-Tetrachloroethane								
Toluene	62		65		64		63	
Chlorobenzene	57		61		63		56	
Ethylbenzene								
Styrene								
Total Xylenes								

DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.112

All results reported in ug/Kg

Parameters - Volatiles	VBLKS2	Q	VBLKS3	Q	VBLKS4	Q	MSB	Q	MSB1	Q	MSB2	Q	SS-4MS	Q	SS-11MS	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Bromomethane																
Vinyl Chloride		UJ								UJ						
Chloroethane																
Methylene Chloride	3	J	1	J	4	J			10	U	10	U			12	U
Acetone	9	J	5	J	5	J	10	U	10	U	10	U	12	U	12	U
Carbon Disulfide		UJ								UJ					1	J
1,1-Dichloroethylene							45		50		51		68		62	
1,1-Dichloroethane																
Total 1,2-Dichloroethylene																
Chloroform																
1,2-Dichloroethane																
2-Butanone								UJ						UJ		
1,1,1-Trichloroethane																
Carbon Tetrachloride																
Bromodichloromethane																
1,2-Dichloropropane																
cis-1,3-Dichloropropene																
Trichloroethene							43		50		50		65		61	
Dibromochloromethane																
1,1,2-Trichloroethane																
Benzene							46		54		48		69		58	
trans-1,3-Dichloropropene																
Bromoform																
4-Methyl-2-pentanone																
2-Hexanone																
Tetrachloroethene																
1,1,2,2-Tetrachloroethane						UJ										
Toluene							49		54		52		72		63	
Chlorobenzene							48		53		52		69		60	
Ethylbenzene																
Styrene																
Total Xylenes																

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9203.112

All results reported in ug/Kg

Sample ID	Hexane	Q	Unknown	Q
SS-1		9 U		14 NJ
SS-2		9 U		
SS-2RE				32 NJ
SS-3		14 U		46 NJ
SS-3RE				
SS-4		9 U		9 NJ
SS-4RE				8 NJ
SS-5				
SS-6				14 NJ
SS-7		7 U		
SS-7D		7 U		9 NJ
SS-8		9 U		
SS-8RE				
SS-9		12 U		
SS-9RE				
SS-10		10 U		
SS-10RE		7 U		
SS-11				7 NJ
SS-12				13 NJ
SS-13				11 NJ
SS-13D				12 NJ
SS-14				15 NJ
SS-15				
SS-15RE				
SS-16				21 NJ
SS-17				
SS-18				
SS-18RE				
VBLKS1		6 NJ		
VBLKS2				
VBLKS3				
VBLKS4				
MSB		7 U		
MSB1				8 NJ
MSB2				

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9203.059

All results reported in ug/L

Parameters - Volatiles	DR-1	Q	DR-2	Q	DR-3	Q	DR-TB-1	Q	VBLKW1	Q	VBLKW2	Q	MSB	Q	DR-1MS	Q	DR-1MSD	Q
Chloromethane																		
Bromomethane																		
Vinyl Chloride	320				340										290		230	
Chloroethane																		
Methylene Chloride	290	U	98	U	170	U	10	U	5	J	4	J	23	U	220	U	210	U
Acetone	330	U	250	U	840	U	10	U	8	J	11	J	21	U	270	U	220	U
Carbon Disulfide		~~U~~				~~U~~		~~U~~		~~U~~			~~U~~		~~U~~		~~U~~	
1,1-Dichloroethylene	27	J	120	J	26	J							50		500		490	
1,1-Dichloroethane	1000		1900		250										980		960	
Total 1,2-Dichloroethylene	640		250		1700										610		600	
Chloroform																		
1,2-Dichloroethane	15	J	46	J											24	J	25	J
2-Butanone				~~U~~							~~U~~							
1,1,1-Trichloroethane	110		93	J	30	J									110		100	
Carbon Tetrachloride																		
Bromodichloromethane																		
1,2-Dichloropropane																		
cis-1,3-Dichloropropene																		
Trichloroethene	59	J	200		76	J							49		550		530	
Dibromochloromethane																		
1,1,2-Trichloroethane																		
Benzene	35	J											47		500		490	
trans-1,3-Dichloropropene																		
Bromoform																		
4-Methyl-2-pentanone																		
2-Hexanone																		
Tetrachloroethene																		
1,1,2,2-Tetrachloroethane																		
Toluene	20	J		~~U~~							~~U~~		48		490		480	
Chlorobenzene	11	J											50		490		490	
Ethylbenzene																		
Styrene																		
Total Xylenes																		

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9203.059

All results reported in ug/L

Tentatively Identified Compounds	DR-1	Q	DR-2	Q	DR-3	Q	DR-TB-1	Q	VBKWK1	Q	VBKWK2	Q
Hexane	200	JN			190	JN						

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.238
SDG NO. MW1D

All results reported in ug/L

Parameters - Volatiles	MW2D	Q	MW4D	Q	MW4DDL	Q	MW8D	Q	MW8DDL	Q	MW-TB-2-4	Q	STORAGE BLK	Q
Chloromethane														UJ
Bromomethane														
Vinyl Chloride														
Chloroethane														
Methylene Chloride					220	D			190	D	19	U	10	U
Acetone			56	U							10	U	10	U
Carbon Disulfide														
1,1-Dichloroethylene	1	J												
1,1-Dichloroethane	61													
Total 1,2-Dichloroethylene	6	J												
Chloroform														
1,2-Dichloroethane											4	J		
2-Butanone			14											
1,1,1-Trichloroethane														
Carbon Tetrachloride														
Bromodichloromethane														
1,2-Dichloropropane														
cis-1,3-Dichloropropene														
Trichloroethene	3	J												
Dibromochloromethane														
1,1,2-Trichloroethane														
Benzene	14		19				57							
trans-1,3-Dichloropropene														
Bromoform														
4-Methyl-2-pentanone														
2-Hexanone														
Tetrachloroethene														
1,1,2,2-Tetrachloroethane														
Toluene	16		18		17	JD	42		40	JD				
Chlorobenzene														
Ethylbenzene			1	J			3	J						
Styrene														
Total Xylenes	9	J	19				20		14	JD				

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.238
SDG NO. MW1D

All results reported in ug/L

Parameters - Volatiles	VLBW1	Q	VLBW2	Q	VLBW3	Q
Chloromethane		UJ				
Bromomethane						
Vinyl Chloride						
Chloroethane						
Methylene Chloride	3	J	2	J	3	J
Acetone	10					
Carbon Disulfide						
1,1-Dichloroethylene						
1,1-Dichloroethane						
Total 1,2-Dichloroethylene						
Chloroform						
1,2-Dichloroethane						
2-Butanone						
1,1,1-Trichloroethane						
Carbon Tetrachloride						
Bromodichloromethane						
1,2-Dichloropropane						
cis-1,3-Dichloropropene						
Trichloroethene						
Dibromochloromethane						
1,1,2-Trichloroethane						
Benzene						
trans-1,3-Dichloropropene						
Bromoform						
4-Methyl-2-pentanone						
2-Hexanone						
Tetrachloroethene						
1,1,2,2-Tetrachloroethane						
Toluene						
Chlorobenzene						
Ethylbenzene						
Styrene						
Total Xylenes						

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.238

All results reported in ug/L

Tentatively Identified Compounds	MW2D	Q	MW4D	Q	MW4DDL	Q	MW8D	Q	MW8DDL	Q	MW-TB-2-4	Q	STORAGE BLK	Q
Butane Isomer	140	NJ	840	NJ	180	NJ	220	NJ	230	NJ				
Butane Isomer	720	NJ			670	NJ	720	NJ	710	NJ				
Pentane Isomer	480	NJ	260	NJ	310	NJ	360	NJ	360	NJ				
Pentane Isomer	290	NJ	140	NJ	160	NJ	160	NJ	140	NJ				
Hexane Isomer	130	NJ	67	NJ	50	NJ	98	NJ						
Hexane Isomer	49	NJ	23	NJ			48	NJ						
Hexane Isomer	53	NJ	33	NJ										
Methylcyclopentane	75	NJ	47	NJ										
Cyclohexane	79	NJ	48	NJ	60	NJ	61	NJ	50	NJ				
Methylcyclohexane	78	NJ	41	NJ										
2-Methylthiopropene			7	NJ										
Dimethylsulfide							92	NJ	80	NJ				
Methylethylsulfide							57	NJ						
Unknown Chlorinated Hydrocarbon							51	NJ						
Unknown											17	NJ		

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 238

All results reported in ug/L

Tentatively Identified Compounds	VBLKW1	Q	VBLKW2	Q	VBLKW3	Q
Butane Isomer						
Butane Isomer						
Pentane Isomer						
Pentane Isomer						
Hexane Isomer						
Hexane Isomer						
Hexane Isomer						
Methylcyclopentane						
Cyclohexane						
Methylcyclohexane						
2-Methylthiopropene						
Dimethylsulfide						
Methylethylsulfide						
Unknown Chlorinated Hydrocarbon						
Unknown						

**DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY**

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Parameters - Volatiles	MW-04S	Q	MW-04SDUP	Q	MW-07S	Q	MW-08S	Q	MW-09S	Q	MW-1D	Q	MW-5S	Q	MW-9D	Q
Chloromethane				UJ				UJ		UJ		UJ		UJ		UJ
Bromomethane																
Vinyl Chloride															15	
Chloroethane																
Methylene Chloride	11	U	10	U	12	U	50	U	10	U	10	U	10	U		
Acetone											17	U	14	U		
Carbon Disulfide				UJ				UJ		UJ	24	J		UJ	36	J
1,1-Dichloroethylene					2	J	7	J								
1,1-Dichloroethane					19		740		5	J	14				49	
Total 1,2-Dichloroethylene					29		240		37		9	J			160	
Chloroform											3	J				
1,2-Dichloroethane																
2-Butanone									10	U	12	U	12	U	28	U
1,1,1-Trichloroethane					21		53									
Carbon Tetrachloride																
Bromodichloromethane																
1,2-Dichloropropane																
cis-1,3-Dichloropropene																
Trichloroethene					12		27	J	12		1	J			45	
Dibromochloromethane																
1,1,2-Trichloroethane																
Benzene															69	
trans-1,3-Dichloropropene																
Bromoform		UJ				UJ										
4-Methyl-2-pentanone																
2-Hexanone		UJ				UJ										
Tetrachloroethene											2	J				
1,1,2,2-Tetrachloroethane																
Toluene											16				60	
Chlorobenzene																
Ethylbenzene											5	J			5	J
Styrene																
Total Xylenes											21				26	

DEARCO FARM SITE
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Parameters - Volatiles	MW-10D	Q	MW-10S	Q	RINSATE BLK	Q	STORAGE BLK	Q	TB-1	Q	TB-2	Q	VBLKW1	Q
Chloromethane						UJ						UJ		
Bromomethane														
Vinyl Chloride														
Chloroethane			170	J										
Methylene Chloride			250	U	10	U	10	U	10	U	10	U	9	J
Acetone	50								11	U			2	J
Carbon Disulfide	25					UJ						UJ		
1,1-Dichloroethylene														
1,1-Dichloroethane	160		3300											
Total 1,2-Dichloroethylene	17	J	160	J										
Chloroform														
1,2-Dichloroethane			74	J										
2-Butanone													10	
1,1,1-Trichloroethane			260											
Carbon Tetrachloride														
Bromodichloromethane														
1,2-Dichloropropane														
cis-1,3-Dichloropropene														
Trichloroethene	2	J												
Dibromochloromethane														
1,1,2-Trichloroethane														
Benzene	25													
trans-1,3-Dichloropropene														
Bromoform								UJ		UJ				UJ
4-Methyl-2-pentanone														
2-Hexanone								UJ		UJ				UJ
Tetrachloroethene														
1,1,2,2-Tetrachloroethane														
Toluene	35		200	J										
Chlorobenzene														
Ethylbenzene														
Styrene														
Total Xylenes	10	J												

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Parameters - Volatiles	VLBKW2	Q	VBLKW3	Q	MSB	Q	MW-10SMS	Q	MW-10MSD	Q
Chloromethane		UJ								
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride	4	J			10	U	49	U	47	U
Acetone	5	J								
Carbon Disulfide		UJ								
1,1-Dichloroethylene					55		1400		1400	
1,1-Dichloroethane							2700		2800	
Total 1,2-Dichloroethylene							140	J	140	J
Chloroform										
1,2-Dichloroethane							75	J	79	J
2-Butanone	9	J								
1,1,1-Trichloroethane							200	J	200	J
Carbon Tetrachloride										
Bromodichloromethane										
1,2-Dichloropropane										
cis-1,3-Dichloropropene										
Trichloroethene					51		1200		1300	
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene					55		1300		1400	
trans-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-pentanone										
2-Hexanone										
Tetrachloroethene										
1,1,2,2-Tetrachloroethane										
Toluene					55		1400		1500	
Chlorobenzene					54		1300		1300	
Ethylbenzene										
Styrene										
Total Xylenes										

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Tentatively Identified Compounds	MW-04S	Q	MW-04SDUP	Q	MW-07S	Q	MW-08S	Q	MW-09S	Q	MW-1D	Q	MW-5S	Q	MW-9D	Q
Butane Isomer											6	NJ			97	NJ
Butane Isomer											5	NJ			420	NJ
Pentane Isomer											63	NJ			660	NJ
Pentane Isomer											14	NJ			75	NJ
Pentane Isomer																
Hexane Isomer																
Methylmercaptan & Butane Isomer											6	NJ				
Methylcyclopentane											5	NJ			120	NJ
Methylpropylsulfide Isomer											10	NJ			66	NJ
Methylcyclohexane											6	NJ			74	NJ
Methylsulfide															200	NJ
Methylethylsulfide															130	NJ
Cyclohexane															94	NJ
Unknown	6	NJ			7	NJ			10	NJ	8	NJ	23	NJ		
Unknown																

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Tentatively Identified Compounds	MW-10D	Q	MW-10S	Q	RINSATE BLK	Q	STORAGE BLK	Q	TB-1	Q	TB-2	Q	VBLKW1	Q
Butane Isomer	150	NJ												
Butane Isomer														
Pentane Isomer	76	NJ												
Pentane Isomer	80	NJ												
Pentane Isomer	14	NJ												
Hexane Isomer	14	NJ												
Methylmercaptan & Butane Isomer														
Methylcyclopentane	24	NJ												
Methylpropylsulfide Isomer														
Methylcyclohexane	32	NJ												
Methylsulfide														
Methylethylsulfide	30	NJ												
Cyclohexane	42	NJ												
Unknown						23	NJ							
Unknown						5	NJ							

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 358
SDG NO. MW-04S

All results reported in ug/L

Tentatively Identified Compounds	VBLKW2	Q	VBLKW3	Q	MSB	Q
Butane Isomer						
Butane Isomer						
Pentane Isomer						
Pentane Isomer						
Pentane Isomer						
Hexane Isomer						
Methylmercaptan & Butane Isomer						
Methylcyclopentane						
Methylpropylsulfide Isomer						
Methylcyclohexane						
Methylsulfide						
Methylethylsulfide						
Cyclohexane						
Unknown						
Unknown						

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/L

Parameters - Volatiles	MH-01	Q	MH-02	Q	QW-1	Q	SW-1	Q	SW-2	Q	SW-3	Q	SW-3D	Q	SW-4	Q	SW-5	Q
Chloromethane																		
Bromomethane																		
Vinyl Chloride																		
Chloroethane																		
Methylene Chloride	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	21	U	29	U	11	U	10	U			10	U			10	U	10	U
Carbon Disulfide	10	U	10	U	10	U		UJ	10	U		UJ	10	U	10	U	10	U
1,1-Dichloroethylene		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~
1,1-Dichloroethane																		
Total 1,2-Dichloroethylene		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~	2	J	1	J		~~UJ~~	1	J
Chloroform	48		3	J														
1,2-Dichloroethane																		
2-Butanone																		
1,1,1-Trichloroethane																		
Carbon Tetrachloride																		
Bromodichloromethane	4	J	1	J														
1,2-Dichloropropane																		
cis-1,3-Dichloropropene																		
Trichloroethene																		
Dibromochloromethane																		
1,1,2-Trichloroethane																		
Benzene			4	J														
trans-1,3-Dichloropropene																		
Bromoform																		
4-Methyl-2-pentanone																		
2-Hexanone																		
Tetrachloroethene																		
1,1,2,2-Tetrachloroethane																		
Toluene	3	J	1	J		UJ		UJ	1	J		UJ		UJ		UJ		UJ
Chlorobenzene																		
Ethylbenzene																		
Styrene																		
Total Xylenes			2	J														

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9203.166

All results reported in ug/L

Parameters - Volatiles	SW-6	Q	SW-TB-12-7	Q	SW-TB-12-8	Q	VBLKW1	Q	MSB	Q	SW-1MS	Q	SW-1MSD	Q
Chloromethane														
Bromomethane														
Vinyl Chloride														
Chloroethane														
Methylene Chloride	10	U	10	U	10	U	8	J	10	U	10	U	10	U
Acetone	10	U	10	U			6	J	10	U	10	U	10	U
Carbon Disulfide	130	J	8	J	4	J	UJ		UJ		10	U	10	U
1,1-Dichloroethylene		UJ		UJ		UJ		UJ	52	J	50	J	50	J
1,1-Dichloroethane														
Total 1,2-Dichloroethylene	2	J		UJ		UJ		UJ		UJ		UJ		UJ
Chloroform														
1,2-Dichloroethane														
2-Butanone														
1,1,1-Trichloroethane														
Carbon Tetrachloride														
Bromodichloromethane														
1,2-Dichloropropane														
cis-1,3-Dichloropropene														
Trichloroethene									51		52		50	
Dibromochloromethane														
1,1,2-Trichlorethane														
Benzene									50		50		48	
trans-1,3-Dichloropropene														
Bromoform														
4-Methyl-2-pentanone														
2-Hexanone														
Tetrachloroethene														
1,1,2,2-Tetrachloroethane														
Toluene		UJ		UJ		UJ		UJ	50	J	48	J	50	J
Chlorobenzene									50		49		51	
Ethylbenzene														
Styrene														
Total Xylenes														

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/L

Tentatively Identified Compounds	MH-01	Q	MH-02	Q	QW-1	Q	SW-1	Q	SW-2	Q	SW-3	Q	SW-3D	Q	SW-4	Q	SW-5	Q
Trimethylbenzene Isomer			7	NJ														
Hexane																		
Unknown Hydrocarbon			7	NJ														
Unknown Hydrocarbon			5	NJ														
Unknown			19	NJ	20	NJ	11	NJ	5	NJ	6	NJ	6	NJ	14	NJ		
Unknown			6	NJ					36	NJ			17	NJ	30	NJ		
Unknown			6	NJ														

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9203.166

All results reported in ug/L

Tentatively Identified Compounds	SW-6	Q	SW-TB-12-7	Q	SW-TB-12-8	Q	VBLKW1	Q	MSB	Q
Trimethylbenzene Isomer										
Hexane					5	NJ				
Unknown Hydrocarbon										
Unknown Hydrocarbon										
Unknown	28	NJ	13	NJ						
Unknown										
Unknown										

**DEARCOP FARM SITE
VOLATILES/SOIL - DATA SUMMARY**

CASE NO. 9300.428

All results reported in ug/Kg

Parameters - Volatiles	MW-6D	Q	VBLKS1	Q	MSB	Q	MW-6DMS	Q	MW-6DMSD	Q
Chloromethane		UJ		UJ		UJ		UJ		UJ
Bromomethane								UJ		
Vinyl Chloride								UJ		
Chloroethane								UJ		
Methylene Chloride	10	U	5	J	10	U	13	U	13	U
Acetone	85	J			6	J	86	J	78	J
Carbon Disulfide								UJ		
1,1-Dichloroethylene					39		42	J	41	
1,1-Dichloroethane								UJ		
Total 1,2-Dichloroethylene	1	J						UJ		
Chloroform								UJ		
1,2-Dichloroethane								UJ		
2-Butanone	12						13	J	13	
1,1,1-Trichloroethane								UJ		
Carbon Tetrachloride								UJ		
Bromodichloromethane								UJ		
1,2-Dichloropropane								UJ		
cis-1,3-Dichloropropene								UJ		
Trichloroethene					38		42	J	40	
Dibromochloromethane								UJ		
1,1,2-Trichloroethane								UJ		
Benzene		UJ			41		47	J	48	J
trans-1,3-Dichloropropene								UJ		
Bromoform								UJ		
4-Methyl-2-pentanone								UJ		
2-Hexanone								UJ		
Tetrachloroethene	5	J					4	J	3	J
1,1,2,2-Tetrachloroethane								UJ		
Toluene	6	J			43		57	J	60	J
Chlorobenzene		UJ			42		47	J	49	J
Ethylbenzene		UJ						UJ		UJ
Styrene								UJ		
Total Xylenes	6	J					8	J	3	J

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.428

All results reported in ug/Kg

Tentatively Identified Compounds	MW-6D	Q	VBLKS1	Q	MSB	Q	MW-6DMS	Q

**DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY**

CASE NO. 9300.559

All results reported in ug/L

Parameters - Volatiles	DR-3	Q	MW-2D(N)	Q	MW-3D	Q	MW-6D	Q	MW-6S	Q	MW-6SDUP	Q	MW-8SR	Q	MW-9DR	Q
Chloromethane																
Bromomethane																
Vinyl Chloride	660															
Chloroethane																
Methylene Chloride															10	U
Acetone			23	U		UJ		UJ				UJ		U	46	U
Carbon Disulfide			9	U											50	U
1,1-Dichloroethylene	52	J													2	J
1,1-Dichloroethane	380		10										15		39	
Total 1,2-Dichloroethylene	2300				17								9	J	140	
Chloroform																
1,2-Dichloroethane																
2-Butanone																
1,1,1-Trichloroethane	64	J			2	J							2	J		
Carbon Tetrachloride																
Bromodichloromethane																
1,2-Dichloropropane																
cis-1,3-Dichloropropene																
Trichloroethene	150	J			3	J									45	
Dibromochloromethane																
1,1,2-Trichloroethane																
Benzene															10	
trans-1,3-Dichloropropene																
Bromoform																
4-Methyl-2-pentanone																
2-Hexanone																
Tetrachloroethene																
1,1,2,2-Tetrachloroethane																
Toluene			3	J	1	J			1	J		2	J		11	
Chlorobenzene																
Ethylbenzene			2	J											1	J
Styrene																
Total Xylenes			4	J	1	J			2	J		2	J		9	J

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters - Volatiles	MW-10DR	Q	MW-10SR	Q	MW-DR-2	Q	MW-TB-3-19	Q	MW-TB-3-23	Q	MW-TB-3-24	Q
Chloromethane												
Bromomethane												
Vinyl Chloride			170	J								
Chloroethane												
Methylene Chloride			110	J			10	U				
Acetone	20	U		UJ			12	U	10	U		UJ
Carbon Disulfide	14	U										
1,1-Dichloroethylene			70	J	310							
1,1-Dichloroethane	94		4300		2500							
Total 1,2-Dichloroethylene	12		470	J	290							
Chloroform												
1,2-Dichloroethane					52	U	5	J	4	J		
2-Butanone												
1,1,1-Trichloroethane			1700		600							
Carbon Tetrachloride												
Bromodichloromethane												
1,2-Dichloropropane												
cis-1,3-Dichloropropene												
Trichloroethene	2	J			350							
Dibromochloromethane												
1,1,2-Trichloroethane												
Benzene	15											
trans-1,3-Dichloropropene												
Bromoform												
4-Methyl-2-pentanone												
2-Hexanone												
Tetrachloroethene												
1,1,2,2-Tetrachloroethane												
Toluene	24		480	J								
Chlorobenzene												
Ethylbenzene	1	J										
Styrene												
Total Xylenes	13											

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters - Volatiles	MW-RIN-9DR	Q	MW-TB-3-26	Q	STORAGE BLK	Q	VBLKW1	Q	VBLKW2	Q	VBLKW3	Q	VBLKW4	Q
Chloromethane						UJ				UJ				
Bromomethane														
Vinyl Chloride														
Chloroethane														
Methylene Chloride	10	U			10	U	3	J	9	J				
Acetone	10	U	10	U	22	U				UJ		UJ	9	J
Carbon Disulfide	12					UJ				UJ				
1,1-Dichloroethylene														
1,1-Dichloroethane														
Total 1,2-Dichloroethylene														
Chloroform														
1,2-Dichloroethane			4	J										
2-Butanone						UJ				UJ				
1,1,1-Trichloroethane														
Carbon Tetrachloride														
Bromodichloromethane														
1,2-Dichloropropane														
cis-1,3-Dichloropropene														
Trichloroethene														
Dibromochloromethane														
1,1,2-Trichloroethane														
Benzene														
trans-1,3-Dichloropropene														
Bromoform														
4-Methyl-2-pentanone														
2-Hexanone						UJ				UJ				
Tetrachloroethene														
1,1,2,2-Tetrachloroethane														
Toluene														
Chlorobenzene														
Ethylbenzene														
Styrene														
Total Xylenes														

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters - Volatiles	MSB	Q	MW-10SRMS	Q	MW-10SRMSD	Q
Chloromethane						
Bromomethane						
Vinyl Chloride					110	J
Chloroethane						
Methylene Chloride	11	U	140	J	170	J
Acetone	10	U		UJ		UJ
Carbon Disulfide						
1,1-Dichloroethylene	57		2200		2200	
1,1-Dichloroethane			4000		3900	
Total 1,2-Dichloroethylene			440	J	450	J
Chloroform						
1,2-Dichloroethane						
2-Butanone						
1,1,1-Trichloroethane			1600		1500	
Carbon Tetrachloride						
Bromodichloromethane						
1,2-Dichloropropane						
cis-1,3-Dichloropropene						
Trichloroethene	54		2500		2300	
Dibromochloromethane						
1,1,2-Trichloroethane						
Benzene	57		2500		2400	
trans-1,3-Dichloropropene						
Bromoform						
4-Methyl-2-pentanone						
2-Hexanone						
Tetrachloroethene						
1,1,2,2-Tetrachloroethane						
Toluene	58		3000		2900	
Chlorobenzene	56		2500		2400	
Ethylbenzene						
Styrene						
Total Xylenes						

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.559

All results reported in ug/L

Tentatively Identified Compounds	DR-3	Q	MW-2D(N)	Q	MW-3D	Q	MW-6D	Q	MW-6S	Q	MW-6SDUP	Q	MW-8SR	Q	MW-9DR	Q
Cyclohexane			78	NJ												
Methylcyclohexane			43	NJ												
Dichlorobenzene Isomer															7	NJ
Hexane															12	NJ
Unknown Hydrocarbon															110	NJ
Unknown Hydrocarbon															190	NJ
Unknown Hydrocarbon																
Unknown Alkylcycloalkane															61	NJ
Unknown Alkylcycloalkane																
Unknown Alkylcycloalkane																
Unknown Cycloalkane															44	NJ
Unknown			84	NJ			11	NJ							340	NJ
Unknown			450	NJ			45	NJ							11	NJ
Unknown			260	NJ			18	NJ							14	NJ
Unknown			63	NJ			14	NJ							36	NJ
Unknown			52	NJ			20	NJ								
Unknown			20	NJ			12	NJ								
Unknown			57	NJ												
Unknown			8	NJ												

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Tentatively Identified Compounds	MW-10DR	Q	MW-10SR	Q	MW-DR-2	Q	MW-TB-3-19	Q	MW-TB-3-23	Q	MW-TB-3-24	Q
Cyclohexane												
Methylcyclohexane												
Dichlorobenzene Isomer	5	NJ										
Hexane												
Unknown Hydrocarbon	70	NJ										
Unknown Hydrocarbon	300	NJ										
Unknown Hydrocarbon	130	NJ										
Unknown Alkylcycloalkane	26	NJ										
Unknown Alkylcycloalkane	52	NJ										
Unknown Alkylcycloalkane	28	NJ										
Unknown Cycloalkane												
Unknown	210	NJ										
Unknown	72	NJ										
Unknown	8	NJ										
Unknown												
Unknown												
Unknown												
Unknown												
Unknown												

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Tentatively Identified Compounds	MW-TB-3-26	Q	STORAGE BLK	Q	VBLKW1	Q	VBLKW2	Q	VBLKW3	Q	VBLKW4	Q	MSB	Q
Cyclohexane														
Methylcyclohexane														
Dichlorobenzene Isomer														
Hexane														
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Alkylcycloalkane														
Unknown Alkylcycloalkane														
Unknown Alkylcycloalkane														
Unknown Cycloalkane														
Unknown														
Unknown														
Unknown														
Unknown														
Unknown														
Unknown														
Unknown														
Unknown														
Unknown														

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.706

All results reported in ug/L

Parameters - Volatiles	MH-3	Q	MH-4	Q	MW-5D	Q	MW-TB-4-7	Q	MW-TB-4-13	Q	STORAGE BLK	Q	VBLKW1	Q
Chloromethane				UJ		UJ			24	J				
Bromomethane														
Vinyl Chloride														
Chloroethane														
Methylene Chloride	10	U					10	U			10	U	6	J
Acetone	42	U	35	U	28	U	10	U	10	U			25	
Carbon Disulfide														
1,1-Dichloroethylene														
1,1-Dichloroethane														
Total 1,2-Dichloroethylene														
Chloroform	2	J	2	J										
1,2-Dichloroethane			10	U	10	U			23					
2-Butanone														
1,1,1-Trichloroethane														
Carbon Tetrachloride														
Bromodichloromethane			1	J										
1,2-Dichloropropane														
Cis-1,3-Dichloropropene														
Trichloroethene														
Dibromochloromethane														
1,1,2-Trichloroethane														
Benzene			17											
Trans-1,3-Dichloropropene				UJ		UJ				UJ				
Bromoform														
4-Methyl-2-pentanone				UJ		UJ				UJ				
2-Hexanone														
Tetrachloroethene														
1,1,2,2-Tetrachloroethane				UJ		UJ				UJ				
Toluene			4	J	2	J								
Chlorobenzene														
Ethylbenzene			3	J										
Styrene														
Total Xylenes			10		3	J								

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.706

All results reported in ug/L

Parameters - Volatiles	VBLKW2	Q	MSB	Q	MH-3MS	Q	MH-3MSD	Q
Chloromethane		UJ						
Bromomethane								
Vinyl Chloride								
Chloroethane								
Methylene Chloride			10	U	10	U	10	U
Acetone		UJ	10	U	14	U	18	U
Carbon Disulfide								
1,1-Dichloroethylene			45		48		45	
1,1-Dichloroethane								
Total 1,2-Dichloroethylene								
Chloroform					2	J	1	J
1,2-Dichloroethane								
2-Butanone								
1,1,1-Trichloroethane								
Carbon Tetrachloride								
Bromodichloromethane								
1,2-Dichloropropane								
Cis-1,3-Dichloropropene								
Trichloroethene			45		49		46	
Dibromochloromethane								
1,1,2-Trichloroethane								
Benzene			46		48		47	
Trans-1,3-Dichloropropene		UJ						
Bromoform								
4-Methyl-2-pentanone		UJ						
2-Hexanone								
Tetrachloroethene								
1,1,2,2-Tetrachloroethane		UJ						
Toluene			47		51		50	
Chlorobenzene			48		50		50	
Ethylbenzene								
Styrene								
Total Xylenes								

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.706

All results reported in ug/L

Tentatively Identified Compounds	MH-3	Q	MH-4	Q	MW-5D	Q	MW-TB-4-7	Q	MW-TB-4-13	Q	STORAGE BLK	Q	VBLKW1	Q
Trimethylbenzene Isomer			15	NJ										
Butane Isomer					98	NJ								
Pentane Isomer					35	NJ								
Pentane Isomer					13	NJ								
Methylcyclohexane					6	NJ								
1-Bromo-2-Chloroethane									9	NJ				
Unknown Hydrocarbon			28	NJ										
Unknown Hydrocarbon			19	NJ										
Unknown Hydrocarbon			17	NJ										
Unknown Hydrocarbon			33	NJ										
Unknown Hydrocarbon			49	NJ										
Unknown Hydrocarbon			53	NJ										
Unknown Hydrocarbon			19	NJ										
Unknown Hydrocarbon			19	NJ										
Unknown			29	NJ										

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.706

All results reported in ug/L

Tentatively Identified Compounds	VBLKW2	Q	MSB	Q
Trimethylbenzene Isomer				
Butane Isomer				
Pentane Isomer				
Pentane Isomer				
Methylcyclohexane				
1-Bromo-2-Chloroethane				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown				

DEARCOP FARM SITE
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.871

All results reported in ug/L

Parameters - Volatiles	DR-1	Q	DR-TB-4-28	Q	STORAGE BLK	Q	VBLKW1	Q	MSB	Q	DR-TB-4-28MS	Q	DR-TB-4-28MSD	Q
Chloromethane	9	J												
Bromomethane														
Vinyl Chloride														
Chloroethane														
Methylene Chloride	10	U	10	U	10	U	6	J	10	U	10	U	10	U
Acetone	10	U	10	U	6	J							10	U
Carbon Disulfide														
1,1-Dichloroethylene									39		36		34	
1,1-Dichloroethane	7	J												
Total 1,2-Dichloroethylene	10													
Chloroform														
1,2-Dichloroethane														
2-Butanone														
1,1,1-Trichloroethane	1	J												
Carbon Tetrachloride														
Bromodichloromethane														
1,2-Dichloropropane														
Cis-1,3-Dichloropropene														
Trichloroethene	6	J							41		38		37	
Dibromochloromethane														
1,1,2-Trichloroethane														
Benzene									44		42		40	
Trans-1,3-Dichloropropene														
Bromoform														
4-Methyl-2-pentanone														
2-Hexanone														
Tetrachloroethene														
1,1,2,2-Tetrachloroethane														
Toluene									45		42		40	
Chlorobenzene									43		41		39	
Ethylbenzene														
Styrene														
Total Xylenes														

DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.871

All results reported in ug/L

Tentatively Identified Compounds	DR-1	Q	DR-TB-4-28	Q	STORAGE BLK	Q	VBLKW1	Q	MSB	Q
Dichlorobutane Isomer	34	NJ								
Unknown Chlorinated Hydrocar	8	NJ								
Unknown Chlorinated Hydrocar	9	NJ								
Unknown Chlorinated Hydrocar	8	NJ								
Unknown					6	NJ	7	NJ		

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.005

All results reported in ug/Kg

[illegible]

C-71

$$x^2 + 2x + 1 = (x+1)^2$$

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters - SemiVolatiles	BH-5V	Q	BH-14V	Q	BH-15V	Q	BH-21V	Q	BH-32VDUP	Q	BH-33V	Q	BH-93	Q	BH-102D	Q	BH-105D	Q
Acenaphthene		UJ		UJ												UJ		
2,4-Dinitrophenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
4-Nitrophenol		UJ		UJ												UJ		
Dibenzofuran		UJ		UJ												UJ		
2,4-Dinitrotoluene		UJ		UJ												UJ		
Diethylphthalate		UJ		UJ												UJ		
4-chlorophenyl-phenylether		UJ		UJ												UJ		
Fluorene		UJ		UJ												UJ		
4-Nitroaniline		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
N-Nitrosodiphenylamine		UJ		UJ												UJ		
4-Bromophenyl-phenylether		UJ		UJ												UJ		
Hexachlorobenzene		UJ		UJ												UJ		
Pentachlorophenol		UJ		UJ												UJ		
Phenanthrene		UJ		UJ								550 J				UJ		
Anthracene		UJ		UJ								63 J				UJ		
Carbazole		UJ		UJ						UJ						UJ		
Di-n-butylphthalate		UJ		UJ												UJ		
Fluoranthene		UJ		UJ								2300 J				UJ		
Pyrene		UJ		UJ								2100 J				UJ		
Butylbenzylphthalate		UJ		UJ						48 J						UJ		
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ				UJ		UJ		UJ		UJ
Benzo(a)anthracene		UJ		UJ								2200 J				UJ		
Chrysene		UJ		UJ								3700 J				UJ		
bis(2-ethylhexyl)phthalate		UJ		UJ										330 U		UJ		
Di-n-octyl phthalate		UJ		UJ		UJ		UJ				UJ		UJ		UJ		
Benzo(b)flouranthene		UJ		UJ								8300				UJ		
Benzo(k)flouranthene		UJ		UJ												UJ		
Benzo(a)pyrene		UJ		UJ								3100 J				UJ		
Indeno(1,2,3-cd)pyrene		UJ		UJ								4900				UJ		
Dibenz(a,h)anthracene		UJ		UJ								2000 J				UJ		
Benzo(g,h,i)perylene		UJ		UJ								5000				UJ		

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters - SemiVolatiles	BH-32V	Q	BH-181D	Q	BH-205D	Q	BH-206D	Q	BH-206DDL	Q	MW-4S	Q	MW-8S	Q	SBLKS1	Q
Phenol																
bis (2-chloroethyl) ether																
2-Chlorophenol																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
1,2-Dichlorobenzene																
2-Methylphenol						UJ										
2,2'-oxybis(1-Chloropropane)																
4-methylphenol																
N-Nitroso-di-n-propylamine																
Hexachloroethane																
Nitrobenzene																
Isophorone																
2-Nitrophenol																
2,4-Dimethylphenol																
bis(2-chloroethoxy)methane																
2,4-Dichlorophenol																
1,2,4-Trichlorobenzene																
Naphthalene																
4-chloroaniline						UJ										
Hexachlorobutadiene																
4-chloro-3-methylphenol																
2-methylnaphthalene																
Hexachlorocyclopentadiene		UJ		UJ				UJ		UJ		UJ		UJ		UJ
2,4,6-Trichlorophenol																
2,4,5-Trichlorophenol												UJ		UJ		UJ
2-Chloronaphthalene																
2-Nitroaniline																
Dimethylphthalate																
Acenaphthylene								160 J								
2,6-Dinitrotoluene																
3-Nitroaniline		UJ		UJ		UJ						UJ		UJ		UJ

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters - SemiVolatiles	BH-32V	Q	BH-181D	Q	BH-205D	Q	BH-206D	Q	BH-206DDL	Q	MW-4S	Q	MW-8S	Q	SBLKS1	Q
Acenaphthene																
2,4-Dinitrophenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
4-Nitrophenol																
Dibenzofuran																
2,4-Dinitrotoluene																
Diethylphthalate							50	J								
4-chlorophenyl-phenylether																
Fluorene																
4-Nitroaniline		UJ		UJ		UJ						UJ		UJ		UJ
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
N-Nitrosodiphenylamine																
4-Bromophenyl-phenylether																
Hexachlorobenzene																
Pentachlorophenol																
Phenanthrene							310	J		390	DJ					
Anthracene							98	J								
Carbazole		UJ		UJ		UJ										
Di-n-butylphthalate																
Fluoranthene							3200	E		4700	DE					
Pyrene							3800	E		5000	DE					
Butylbenzylphthalate																
3,3'-Dichlorobenzidine						UJ		UJ		UJ		UJ		UJ		UJ
Benzo(a)anthracene							1800			2200	DJ					
Chrysene							1600			2300	DJ					
bis(2-ethylhexyl)phthalate						370	U							370	U	
Di-n-octyl phthalate						UJ						UJ		UJ		UJ
Benzo(b)fluoranthene										2400	DJ					
Benzo(k)fluoranthene							4600	E		2400	DJ					
Benzo(a)pyrene							2000			2900	DJ					
Indeno(1,2,3-cd)pyrene							2100			2500	DJ					
Dibenz(a,h)anthracene							580			690	DJ					
Benzo(g,h,i)perylene							2000			2000	DJ					

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters - SemiVolatiles	SBLKS2	Q	MSB1	Q	SBLKS3	Q	BH-102DMS	Q	BH-102DMSD	Q
Phenol			1500				1700		2200	
bis (2-chloroethyl) ether										
2-Chlorophenol			1300				1500		2000	
1,3-Dichlorobenzene										
1,4-Dichlorobenzene			1100				1200		1500	
1,2-Dichlorobenzene										
2-Methylphenol										
2,2'-oxybis(1-Chloropropane)										
4-methylphenol										
N-Nitroso-di-n-propylamine			920				1000		1400	
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
bis(2-chloroethoxy)methane										
2,4-Dichlorophenol										
1,2,4-Trichlorobenzene			1700				1800		2300	
Naphthalene										
4-chloroaniline						UJ				
Hexachlorobutadiene										
4-chloro-3-methylphenol			1400				1700		2200	
2-methylnaphthalene										
Hexachlorocyclopentadiene		UJ		UJ		UJ		UJ		UJ
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol				UJ						
2-Chloronaphthalene										
2-Nitroaniline										
Dimethylphthalate										
Acenaphthylene			1100							
2,6-Dinitrotoluene						UJ				
3-Nitroaniline		UJ		UJ		UJ				

DEARCO FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters - SemiVolatiles	SBLKS2	Q	MSB1	Q	SBLKS3	Q	BH-102DMS	Q	BH-102DMSD	Q
Acenaphthene							1300		1600	
2,4-Dinitrophenol		UJ		UJ		UJ		UJ		UJ
4-Nitrophenol			1800				2400		2900	
Dibenzofuran										
2,4-Dinitrotoluene			2000				2200		2700	
Diethylphthalate							320	J		
4-chlorophenyl-phenylether										
Fluorene										
4-Nitroaniline		UJ		UJ		UJ				
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ		UJ
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
Pentachlorophenol			1600				1900		2400	
Phenanthrene										
Anthracene										
Carbazole		UJ				UJ				
Di-n-butylphthalate										
Fluoranthene										
Pyrene			1700				2100		2500	
Butylbenzylphthalate										
3,3'-Dichlorobenzidine				UJ		UJ		UJ		UJ
Benzo(a)anthracene										
Chrysene										
bis(2-ethylhexyl)phthalate							94	UJ	370	U
Di-n-octyl phthalate				UJ						
Benzo(b)fluoranthene										
Benzo(k)fluoranthene										
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene										
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene										

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.005

All results reported in ug/L

Parameters - SemiVolatiles	BH-R-1-5	Q	SBLKW1	Q	MSB	Q
Phenol					51	
bis (2-chloroethyl) ether						
2-Chlorophenol					62	
1,3-Dichlorobenzene						
1,4-Dichlorobenzene					48	
1,2-Dichlorobenzene						
2-Methylphenol		UJ		UJ		UJ
2,2'-oxybis(1-Chloropropane)						
4-methylphenol						
N-Nitroso-di-n-propylamine					54	
Hexachloroethane						
Nitrobenzene						
Isophorone						
2-Nitrophenol						
2,4-Dimethylphenol						
bis(2-chloroethoxy)methane						
2,4-Dichlorophenol						
1,2,4-Trichlorobenzene					72	
Naphthalene						
4-chloroaniline						
Hexachlorobutadiene						
4-chloro-3-methylphenol					73	
2-methylnaphthalene						
Hexachlorocyclopentadiene						
2,4,6-Trichlorophenol						
2,4,5-Trichlorophenol						
2-Chloronaphthalene						
2-Nitroaniline						
Dimethylphthalate						
Acenaphthylene						
2,6-Dinitrotoluene						
3-Nitroaniline		UJ		UJ		UJ

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/L

Parameters - SemiVolatiles	BH-R-1-5	Q	SBLKW1	Q	MSB	Q
Acenaphthene					50	
2,4-Dinitrophenol		UJ		UJ		UJ
4-Nitrophenol					63	
Dibenzofuran						
2,4-Dinitrotoluene					91	E
Diethylphthalate						
4-chlorophenyl-phenylether						
Fluorene						
4-Nitroaniline						
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ
N-Nitrosodiphenylamine						
4-Bromophenyl-phenylether						
Hexachlorobenzene						
Pentachlorophenol					69	
Phenanthrene						
Anthracene						
Carbazole		UJ		UJ		UJ
Di-n-butylphthalate						
Fluoranthene						
Pyrene					64	
Butylbenzylphthalate						
3,3'-Dichlorobenzidine		UJ		UJ		UJ
Benzo(a)anthracene						
Chrysene						
bis(2-ethylhexyl)phthalate		4 J				
Di-n-octyl phthalate		UJ		UJ		UJ
Benzo(b)fluoranthene						
Benzo(k)fluoranthene		UJ		UJ		UJ
Benzo(a)pyrene						
Indeno(1,2,3-cd)pyrene						
Dibenz(a,h)anthracene						
Benzo(g,h,i)perylene						

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.238

SDG NO. MW1D

All results reported in ug/Kg

Parameters - SemiVolatiles	MW1D	Q	MW1DD	Q	MW1DDRE	Q	SBLKS1	Q	SBLKS2	Q	MSB	Q	MW1DMS	Q	MW1DMSD	Q
Phenol				R		UJ					2400		3000		360	J
bis (2-chloroethyl) ether				UJ		UJ										R
2-Chlorophenol				R		UJ					2300		2800		370	J
1,3-Dichlorobenzene				UJ		UJ										R
1,4-Dichlorobenzene				UJ		UJ					1600		2000		260	J
1,2-Dichlorobenzene				UJ		UJ										R
2-Methylphenol				R		UJ										R
2,2'-oxybis(1-Chloropropane)				UJ		UJ										R
4-methylphenol				R		UJ										R
N-Nitroso-di-n-propylamine		UJ		UJ		UJ		UJ			1700	J	2000	J	200	J
Hexachloroethane		UJ		UJ		UJ		UJ				UJ		UJ		R
Nitrobenzene				UJ		UJ										R
Isophorone				UJ		UJ										R
2-Nitrophenol				R		UJ										R
2,4-Dimethylphenol				R		UJ										R
bis(2-chloroethoxy)methane				UJ		UJ										R
2,4-Dichlorophenol				R		UJ										R
1,2,4-Trichlorobenzene				UJ		UJ					2400		2900		380	J
Naphthalene				UJ		UJ										R
4-chloroaniline				UJ		UJ										R
Hexachlorobutadiene				UJ		UJ										R
4-chloro-3-methylphenol				R		UJ					2600		3000		410	J
2-methylnaphthalene				UJ		UJ										R
Hexachlorocyclopentadiene				UJ		UJ										R
2,4,6-Trichlorophenol				R		UJ										R
2,4,5-Trichlorophenol				R		UJ										R
2-Chloronaphthalene				UJ		UJ										R
2-Nitroaniline				UJ		UJ										R
Dimethylphthalate				UJ		UJ			100	J						R
Acenaphthylene				UJ		UJ										R
2,6-Dinitrotoluene		UJ		UJ		UJ		UJ				UJ		UJ		R
3-Nitroaniline		UJ		UJ		UJ		UJ				UJ		UJ		R

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.238

SDG NO. MW1D

All results reported in ug/Kg

Parameters - SemiVolatiles	MW1D	Q	MW1DD	Q	MW1DDRE	Q	SBLKS1	Q	SBLKS2	Q	MSB	Q	MW1DMS	Q	MW1DMSD	Q
Acenaphthene				UJ		UJ					1700		2100		340	J
2,4-Dinitrophenol		UJ		R		UJ		UJ				UJ		UJ		R
4-Nitrophenol				R		UJ					2800	E	3200		310	J
Dibenzofuran				UJ		UJ										R
2,4-Dinitrotoluene				UJ		UJ					2600		2700		390	J
Diethylphthalate				UJ		UJ										R
4-chlorophenyl-phenylether				UJ		UJ										R
Fluorene				UJ		UJ										R
4-Nitroaniline				UJ		UJ										R
4,6-Dinitro-2-methylphenol		UJ		R		UJ		UJ				UJ		UJ		R
N-Nitrosodiphenylamine				UJ		UJ										R
4-Bromophenyl-phenylether				UJ		UJ										R
Hexachlorobenzene				UJ		UJ										R
Pentachlorophenol				R		UJ					2500		2900		330	J
Phenanthrene				UJ		UJ										R
Anthracene				UJ		UJ										R
Carbazole				UJ		UJ										R
Di-n-butylphthalate				UJ		UJ										R
Fluoranthene				UJ		UJ										R
Pyrene				UJ		UJ					2200		2800		560	J
Butylbenzylphthalate				UJ		UJ										R
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ				UJ		UJ		R
Benzo(a)anthracene				UJ		UJ										R
Chrysene				UJ		UJ										R
bis(2-ethylhexyl)phthalate	330	U		UJ	370	U			31	J			440	U		R
Di-n-octyl phthalate				UJ		UJ										R
Benzo(b)fluoranthene				UJ		UJ										R
Benzo(k)fluoranthene				UJ		UJ										R
Benzo(a)pyrene				UJ		UJ										R
Indeno(1,2,3-cd)pyrene				UJ		UJ										R
Dibenz(a,h)anthracene				UJ		UJ										R
Benzo(g,h,i)perylene				UJ		UJ										R

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY

CASE NO. 9300.238
SDG NO. MW1D

All results reported in ug/Kg

Tentatively Identified Compounds	MW1D	Q	MW1DD	Q	MW1DDRE	Q	SBLKS1	Q	SBLKS2	Q
Unknown Carboxylic Acid	290	NJ			110	NJ			100	NJ
Unknown Carboxylic Acid					170	NJ			150	NJ
Unknown Hydrocarbon	89	NJ					83	NJ		
Unknown Hydrocarbon	150	NJ								
Unknown Hydrocarbon	180	NJ								
Unknown Hydrocarbon	130	NJ								
Unknown Hydrocarbon	150	NJ								
Unknown Hydrocarbon	130	NJ								
Unknown Hydrocarbon	130	NJ								
Unknown Hydrocarbon	110	NJ								
Unknown Hydrocarbon	110	NJ								
Unknown Hydrocarbon	110	NJ								
Unknown Hydrocarbon	110	NJ								
Unknown Hydrocarbon	89	NJ								
Unknown	200	NJ	300	NJ	1100	NJ	320	NJ	170	NJ
Unknown	600	NJ			110	NJ	120	NJ	530	NJ
Unknown	950	NJ			94	NJ			1200	NJ
Unknown	130	NJ			230	NJ			66	NJ
Unknown					75	NJ			150	NJ
Unknown									250	NJ
Unknown									130	NJ
Unknown									66	NJ

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/Kg

Parameters - SemiVolatiles	MW-2D	Q	SED-4	Q	SED-5	Q	SED-6	Q	SBLKS2	Q	SBLKS1	Q	MW-2DMS	Q	MW-2DMSD	Q	MSB1	Q
Phenol													1700		570	J	1800	
bis (2-chloroethyl) ether																UJ		
2-Chlorophenol													1700		550	J	1700	
1,3-Dichlorobenzene																UJ		
1,4-Dichlorobenzene													760		270	J	1100	
1,2-Dichlorobenzene																UJ		
2-Methylphenol																UJ		
2,2'-oxybis(1-Chloropropane)																UJ		
4-methylphenol																UJ		
N-Nitroso-di-n-propylamine													1200		380	J	1200	
Hexachloroethane																UJ		
Nitrobenzene																UJ		
Isophorone													65	J		UJ	70	J
2-Nitrophenol																UJ		
2,4-Dimethylphenol																UJ		
bis(2-chloroethoxy)methane																UJ		
2,4-Dichlorophenol																UJ		
1,2,4-Trichlorobenzene													1900		620	J	1900	
Naphthalene					69	J		45	J							UJ		
4-chloroaniline				UJ		UJ					UJ					UJ		UJ
Hexachlorobutadiene													1600		440	J	1700	
4-chloro-3-methylphenol																UJ		
2-methylnaphthalene																UJ		
Hexachlorocyclopentadiene				UJ												UJ		
2,4,6-Trichlorophenol																UJ		
2,4,5-Trichlorophenol																UJ		
2-Chloronaphthalene																UJ		
2-Nitroaniline																UJ		
Dimethylphthalate																UJ		
Acenaphthylene																UJ		
2,6-Dinitrotoluene																UJ		
3-Nitroaniline						UJ		UJ				UJ				UJ		UJ
Acenaphthene													1500		500	J	1400	
2,4-Dinitrophenol				UJ		UJ		UJ				UJ				UJ		

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DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.166

All results reported in ug/Kg

Parameters - SemiVolatiles	MW-2D	Q	SED-4	Q	SED-5	Q	SED-6	Q	SBLKS2	Q	SBLKS1	Q	MW-2DMS	Q	MW-2DMSD	Q	MSB1	Q
4-Nitrophenol										UJ			2200		430	J	2500	
Dibenzofuran																UJ		
2,4-Dinitrotoluene													2200		590	J	2200	
Diethylphthalate									3100	E					370	U		
4-chlorophenyl-phenylether																UJ		
Fluorene					59	J	53	J								UJ		
4-Nitroaniline		UJ		UJ		UJ		UJ				UJ		UJ		UJ		
4,6-Dinitro-2-methylphenol				UJ		UJ		UJ		UJ		UJ				UJ		
N-Nitrosodiphenylamine																UJ		
4-Bromophenyl-phenylether																UJ		
Hexachlorobenzene																UJ		
Pentachlorophenol													2200		280	J	2200	
Phenanthrene			230	J	420	J	350	J								UJ		
Anthracene					56	J	42	J								UJ		
Carbazole										UJ						UJ		
Di-n-butylphthalate																UJ		
Fluoranthene			530	J	580		520	J								UJ		
Pyrene		UJ	440	J	540	J	420	J					3000	J	940	J	2500	
Butylbenzylphthalate					73	J		UJ				UJ				UJ		
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ				UJ		UJ		UJ		UJ
Benzo(a)anthracene			170	J	230	J	180	J								UJ		
Chrysene			280	J	310	J	260	J								UJ		
bis(2-ethylhexyl)phthalate	370	U	540	U	580	U	570	U			34	J	370	U		UJ		
Di-n-octyl phthalate						UJ		UJ				UJ				UJ		
Benzo(b)fluoranthene			380	J	510	J	410	J								UJ		
Benzo(k)fluoranthene																UJ		
Benzo(a)pyrene			190	J												UJ		
Indeno(1,2,3-cd)pyrene			240	J	290	J	230	J								UJ		
Dibenz(a,h)anthracene			93	J	110	J	91	J								UJ		
Benzo(g,h,i)perylene			170	J	270	J	190	J								UJ		
Pyridine		NA				UJ		UJ		NA		UJ		NA		NA		NA
3-Chloropyridine		NA								NA				NA		NA		NA
2-Chloropyridine		NA								NA				NA		NA		NA
4-Fluoroaniline		NA		UJ		UJ		UJ		NA		UJ		NA		NA		NA
2,6-Dichloropyridine		NA								NA				NA		NA		NA

DEARCO FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9203.240

All results reported in ug/Kg

Parameters - SemiVolatiles	MW-3D	Q	MW-5D	Q	MW-9S	Q	SBLKS1	Q	SBLKS2	Q	SBLKS3	Q	MSB	Q	MW-3DMS	Q	MW-3DMSD	Q
Phenol													650		2600		2200	
bis (2-chloroethyl) ether																		
2-Chlorophenol		UJ		UJ		UJ		UJ		UJ		UJ	610	J	2400	J	2000	J
1,3-Dichlorobenzene																		
1,4-Dichlorobenzene		UJ		UJ		UJ		UJ		UJ		UJ	280	J	1100	J	1300	J
1,2-Dichlorobenzene																		
2-Methylphenol																		
2,2'-oxybis(1-Chloropropane)																		
4-methylphenol	310	J													78	J		
N-Nitroso-di-n-propylamine		UJ		UJ		UJ		UJ		UJ		UJ	400	J	1700	J	1600	J
Hexachloroethane																		
Nitrobenzene												UJ						
Isophorone																		
2-Nitrophenol																	250	J
2,4-Dimethylphenol																		
bis(2-chloroethoxy)methane																		
2,4-Dichlorophenol																		
1,2,4-Trichlorobenzene													660		2300		2300	
Naphthalene																		
4-chloroaniline		UJ						UJ				UJ		UJ		UJ		UJ
Hexachlorobutadiene																		
4-chloro-3-methylphenol		UJ		UJ		UJ		UJ		UJ		UJ	550	J	2400	J	1800	J
2-methylnaphthalene																		
Hexachlorocyclopentadiene																		
2,4,6-Trichlorophenol																		
2,4,5-Trichlorophenol																		
2-Chloronaphthalene																		
2-Nitroaniline																		
Dimethylphthalate																		
Acenaphthylene																		
2,6-Dinitrotoluene																		
3-Nitroaniline		UJ						UJ				UJ		UJ		UJ		UJ

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DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.240

All results reported in ug/Kg

Parameters - SemiVolatiles	MW-3D	Q	MW-5D	Q	MW-9S	Q	SBLKS1	Q	SBLKS2	Q	SBLKS3	Q	MSB	Q	MW-3DMS	Q	MW-3DMSD	Q
Acenaphthene													540		1800		1700	
2,4-Dinitrophenol											UJ							
4-Nitrophenol													660	J	2500		2500	
Dibenzofuran																		
2,4-Dinitrotoluene													700		2000		1900	
Diethylphthalate			140	J	50	J												
4-chlorophenyl-phenylether																		
Fluorene																		
4-Nitroaniline				UJ		UJ			UJ		UJ							
4,6-Dinitro-2-methylphenol				UJ		UJ			UJ		UJ							
N-Nitrosodiphenylamine				UJ		UJ			UJ									
4-Bromophenyl-phenylether																		
Hexachlorobenzene																		
Pentachlorophenol													720	J	2200		2400	
Phenanthrene	91	J													99	J	120	J
Anthracene																		
Carbazole				UJ		UJ			UJ									
Di-n-butylphthalate																		
Fluoranthene	120	J	32	J											170	J	120	J
Pyrene	130	J	38	J									790		2700		2800	
Butylbenzylphthalate																		
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Benzo(a)anthracene	67	J													130	J	85	J
Chrysene	100	J	24	J											190	J	150	J
bis(2-ethylhexyl)phthalate	410	U	390	U	410	U			26	J					410	U	410	U
Di-n-octyl phthalate				UJ		UJ			UJ		UJ							
Benzo(b)fluoranthene	100	J	40	J											190	J	150	J
Benzo(k)fluoranthene	68	J													150	J	93	J
Benzo(a)pyrene	69	J													120	J	61	J
Indeno(1,2,3-cd)pyrene	84	J	27	J											180	J	120	J
Dibenz(a,h)anthracene															45	J		
Benzo(g,h,i)perylene	77	J	29	J											170	J	110	J

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.133

SDG NO. MW-10D

All results reported in ug/Kg

Parameters - SemiVolatiles	MW-10D	Q	SBLKS1	Q	MSB	Q	MW-10DMS	Q	MW-10DMSD	Q
Phenol					1100		860		770	J
bis (2-chloroethyl) ether										
2-Chlorophenol					1100		850		800	J
1,3-Dichlorobenzene										
1,4-Dichlorobenzene					980		900		830	
1,2-Dichlorobenzene										
2-Methylphenol										UJ
2,2'-oxybis(1-Chloropropane)										
4-methylphenol										UJ
N-Nitroso-di-n-propylamine					710		500		440	
Hexachloroethane										
Nitrobenzene		UJ		UJ		UJ		UJ		UJ
Isophorone										
2-Nitrophenol										UJ
2,4-Dimethylphenol										UJ
bis(2-chloroethoxy)methane										
2,4-Dichlorophenol										UJ
1,2,4-Trichlorobenzene					1500		1300		1200	
Naphthalene										
4-chloroaniline		UJ		UJ		UJ		UJ		UJ
Hexachlorobutadiene										
4-chloro-3-methylphenol					1100		770		720	J
2-methylnaphthalene										
Hexachlorocyclopentadiene		UJ		UJ		UJ		UJ		UJ
2,4,6-Trichlorophenol										UJ
2,4,5-Trichlorophenol										UJ
2-Chloronaphthalene										
2-Nitroaniline										
Dimethylphthalate										
Acenaphthylene										
2,6-Dinitrotoluene		UJ		UJ		UJ		UJ		UJ
3-Nitroaniline		UJ		UJ		UJ		UJ		UJ

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.133

SDG NO. MW-10D

All results reported in ug/Kg

Parameters - SemiVolatiles	MW-10D	Q	SBLKS1	Q	MSB	Q	MW-10DMS	Q	MW-10DMSD	Q
Acenaphthene					1100		950		880	
2,4-Dinitrophenol		UJ		UJ		UJ		UJ		UJ
4-Nitrophenol					1300		800	J	680	J
Dibenzofuran										
2,4-Dinitrotoluene					1400		980		930	
Diethylphthalate										
4-chlorophenyl-phenylether										
Fluorene										
4-Nitroaniline										
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ		UJ
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
Pentachlorophenol					1400		1000		870	J
Phenanthrene										
Anthracene										
Carbazole		UJ		UJ		UJ		UJ		UJ
Di-n-butylphthalate										
Fluoranthene										
Pyrene					1800		1400		1500	
Butylbenzylphthalate										
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ		UJ
Benzo(a)anthracene										
Chrysene										
bis(2-ethylhexyl)phthalate										
Di-n-octyl phthalate										
Benzo(b)flouranthene										
Benzo(k)flouranthene										
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene										
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene										

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOILS - DATA SUMMARY

CASE NO. 9300.133
SDG NO. MW-10D

All results reported in ug/Kg

Tentatively Identified Compounds	MW-10D	Q	SBLKS1	Q
Unknown Acid	150	NJ		
Unknown	95	NJ	83	NJ
Unknown	780	NJ		

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9202.923

All results reported in ug/Kg

Parameters - SemiVolatiles	TP-1A	Q	TP-1B	Q	TP-2A	Q	TP-2ADL	Q	TP-2AD	Q	TP-2B	Q	TP-2C	Q
Phenol		UJ		UJ									540000	E
bis (2-chloroethyl) ether				UJ										UJ
2-Chlorophenol		UJ		UJ										UJ
1,3-Dichlorobenzene				UJ										UJ
1,4-Dichlorobenzene				UJ										UJ
1,2-Dichlorobenzene				UJ										UJ
2-Methylphenol		UJ		UJ									3900	J
2,2'-oxybis(1-Chloropropane)				UJ										UJ
4-methylphenol		UJ		UJ			~~UJ~~		~~UJ~~				4000	J
N-Nitroso-di-n-propylamine				UJ										UJ
Hexachloroethane				UJ										UJ
Nitrobenzene				UJ										UJ
Isophorone				UJ										UJ
2-Nitrophenol		UJ		UJ										UJ
2,4-Dimethylphenol		UJ		UJ										UJ
bis(2-chloroethoxy)methane				UJ										UJ
2,4-Dichlorophenol		UJ		UJ										UJ
1,2,4-Trichlorobenzene				UJ										UJ
Naphthalene	20	J		UJ			~~UJ~~		~~UJ~~		~~UJ~~			UJ
4-chloroaniline		UJ		UJ			~~UJ~~		~~UJ~~		~~UJ~~			UJ
Hexachlorobutadiene				UJ										UJ
4-chloro-3-methylphenol		UJ		UJ										UJ
2-methylnaphthalene	28	J		UJ										UJ
Hexachlorocyclopentadiene				UJ										UJ
2,4,6-Trichlorophenol		UJ		UJ										UJ
2,4,5-Trichlorophenol		UJ		UJ										UJ
2-Chloronaphthalene				UJ										UJ
2-Nitroaniline				UJ										UJ
Dimethylphthalate				UJ										UJ
Acenaphthylene				UJ										UJ
2,6-Dinitrotoluene				UJ										UJ
3-Nitroaniline		UJ		UJ			~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~	UJ

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9202.923

All results reported in ug/Kg

Parameters - SemiVolatiles	TP-1A	Q	TP-1B	Q	TP-2A	Q	TP-2ADL	Q	TP-2AD	Q	TP-2B	Q	TP-2C	Q
Acenaphthene				UJ										UJ
2,4-Dinitrophenol		UJ		UJ										UJ
4-Nitrophenol		UJ		UJ										UJ
Dibenzofuran				UJ										UJ
2,4-Dinitrotoluene				UJ										UJ
Diethylphthalate				UJ										UJ
4-chlorophenyl-phenylether				UJ										UJ
Fluorene				UJ										UJ
4-Nitroaniline				UJ										UJ
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ				UJ				UJ
N-Nitrosodiphenylamine				UJ		UJ				UJ			140000	J
4-Bromophenyl-phenylether				UJ		UJ				UJ				UJ
Hexachlorobenzene				UJ		UJ				UJ				UJ
Pentachlorophenol		UJ		UJ		UJ				UJ				UJ
Phenanthrene	31	J		UJ		UJ				UJ				UJ
Anthracene	36	J		UJ		UJ				UJ				UJ
Carbazole		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Di-n-butylphthalate				UJ		UJ				UJ				UJ
Fluoranthene				UJ		UJ				UJ				UJ
Pyrene	18	J		UJ		UJ				UJ				UJ
Butylbenzylphthalate		UJ		UJ		UJ				UJ		UJ		UJ
3,3'-Dichlorobenzidine				UJ		UJ		UJ		UJ				UJ
Benzo(a)anthracene				UJ		UJ				UJ				UJ
Chrysene				UJ		UJ				UJ				UJ
bis(2-ethylhexyl)phthalate	28	J		UJ		UJ				UJ				UJ
Di-n-octyl phthalate		UJ		UJ		UJ		UJ		UJ		UJ		R
Benzo(b)fluoranthene				UJ		UJ		UJ		UJ				R
Benzo(k)fluoranthene				UJ		UJ		UJ		UJ				R
Benzo(a)pyrene				UJ		UJ		UJ		UJ				R
Indeno(1,2,3-cd)pyrene				UJ		UJ		UJ		UJ				R
Dibenz(a,h)anthracene				UJ		UJ		UJ		UJ				R
Benzo(g,h,i)perylene				UJ		UJ		UJ		UJ				R

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9202.923

All results reported in ug/Kg

Parameters - SemiVolatiles	SBLKS1	Q	SBLKS2	Q	TP-2ADMS	Q	TP-2ADMSD	Q
Phenol					970	J	980	J
bis (2-chloroethyl) ether								
2-Chlorophenol					1100	J	1100	J
1,3-Dichlorobenzene								
1,4-Dichlorobenzene					1100	J	1100	J
1,2-Dichlorobenzene								
2-Methylphenol								
2,2'-oxybis(1-Chloropropane)								
4-methylphenol						UJ		UJ
N-Nitroso-di-n-propylamine					900	J	880	J
Hexachloroethane								
Nitrobenzene								
Isophorone								
2-Nitrophenol								
2,4-Dimethylphenol								
bis(2-chloroethoxy)methane								
2,4-Dichlorophenol								
1,2,4-Trichlorobenzene					1600	J	1600	J
Naphthalene								
4-chloroaniline		UJ				UJ		UJ
Hexachlorobutadiene								
4-chloro-3-methylphenol					1100	J	1000	J
2-methylnaphthalene								
Hexachlorocyclopentadiene								
2,4,6-Trichlorophenol								
2,4,5-Trichlorophenol								
2-Chloronaphthalene								
2-Nitroaniline								
Dimethylphthalate								
Acenaphthylene								
2,6-Dinitrotoluene								
3-Nitroaniline		UJ				UJ		UJ

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9202.923

All results reported in ug/Kg

Parameters - SemiVolatiles	SBLKS1	Q	SBLKS2	Q	TP-2ADMS	Q	TP-2ADMSD	Q
Acenaphthene					1400 J		1400 J	
2,4-Dinitrophenol				UJ				
4-Nitrophenol					360 J		610 J	
Dibenzofuran								
2,4-Dinitrotoluene					1300 J		1300 J	
Diethylphthalate								
4-chlorophenyl-phenylether								
Fluorene								
4-Nitroaniline				UJ				
4,6-Dinitro-2-methylphenol					UJ		UJ	
N-Nitrosodiphenylamine					UJ		UJ	
4-Bromophenyl-phenylether					UJ		UJ	
Hexachlorobenzene					UJ		UJ	
Pentachlorophenol				UJ	1700 J		1700 J	
Phenanthrene					UJ		UJ	
Anthracene					UJ		UJ	
Carbazole		UJ		UJ	UJ		UJ	
Di-n-butylphthalate					UJ		UJ	
Fluoranthene					UJ		UJ	
Pyrene					2400		2500 J	
Butylbenzylphthalate		UJ					UJ	
3,3'-Dichlorobenzidine				UJ	UJ		UJ	
Benzo(a)anthracene							UJ	
Chrysene							UJ	
bis(2-ethylhexyl)phthalate				UJ			UJ	
Di-n-octyl phthalate		UJ			UJ		UJ	
Benzo(b)fluoranthene					UJ		UJ	
Benzo(k)fluoranthene				UJ	UJ		UJ	
Benzo(a)pyrene					UJ		UJ	
Indeno(1,2,3-cd)pyrene					UJ		UJ	
Dibenz(a,h)anthracene					UJ		UJ	
Benzo(g,h,i)perylene					UJ		UJ	

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY

CASE NO. 9202.923

All results reported in ug/Kg

Tentatively Identified Compounds	TP-1A	Q	TP-1B	Q	TP-2A	Q	TP-2ADL	Q	TP-2AD	Q	TP-2B	Q	TP-2C	Q
Xylene Isomer													21000	JN
Formylphenol Isomer													500000	JN
Formylphenol Isomer													85000	JN
Formylbenzoic Acid Isomer													66000	JN
Ethyl Cinnamate Isomer	68	JN	110	JN										
Ethyl Cinnamate Isomer	19000	JN												
Unknown Hydrocarbon	85	JN			250	JN	5400	JN	1100	JN	96	JN	17000	JN
Unknown Hydrocarbon	68	JN			2900	JN	1200	JN	2600	JN	170	JN	25000	JN
Unknown Hydrocarbon	100	JN			230000	JN	19000	JN	16000	JN	290	JN		
Unknown Hydrocarbon	140	JN			150000	JN	6900	JN	2200	JN	250	JN		
Unknown Hydrocarbon	220	JN			69000	JN	2300	JN	45000	JN	2700	JN		
Unknown Hydrocarbon	190	JN					33000	JN	4000	JN				
Unknown Hydrocarbon	85	JN					48000	JN	57000	JN				
Unknown Hydrocarbon	100	JN					730000	JN	57000	JN				
Unknown Hydrocarbon							890000	JN	710000	JN				
Unknown Hydrocarbon							250000	JN						
Unknown Hydrocarbon							270000	JN						
Unknown Chlorinated Hydrocar					2100	JN	5000	JN	11000	JN				
Unknown Chlorinated Hydrocar					370	JN	1700	JN	4000	JN				
Unknown Chlorinated Hydrocar					150	JN	1500	JN	2200	JN				
Unknown Chlorinated Hydrocar					600	JN	3500	JN	1500	JN				
Unknown Chlorinated Hydrocar					480	JN			4100	JN				
Unknown Chlorinated Hydrocar					1200	JN			1000	JN				
Unknown Chlorinated Hydrocar					310	JN			7700	JN				
Unknown Chlorinated Hydrocar					2900	JN			1400	JN				
Unknown Chlorinated Hydrocar					810	JN								
Unknown	220	JN	320	JN	96	JN	930	JN	650	JN	270	JN		
Unknown	170	JN	210	JN	170	JN	1600	JN	510	JN	120	JN		
Unknown			3200	JN	96	JN	1900	JN	570	JN	96	JN		
Unknown			76	JN	120	JN	17000	JN						
Unknown			2300	JN	96	JN								
Unknown			1500	JN	170	JN								
Unknown			1100	JN										

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9202.923

All results reported in ug/Kg

Tentatively Identified Compounds	TP-1A	Q	TP-1B	Q	TP-2A	Q	TP-2ADL	Q	TP-2AD	Q	TP-2B	Q	TP-2C	Q
Unknown			1000	JN										
Unknown			690	JN										
Unknown			480	JN										
Unknown			530	JN										
Unknown			480	JN										
Unknown			150	JN										
Unknown			420	JN										
Unknown			360	JN										
Unknown			440	JN										
Unknown			320	JN										
Unknown			210	JN										
Unknown			150	JN										

DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9202.923

All results reported in ug/Kg

Tentatively Identified Compounds	SBLKS1	Q	SBLKS2	Q
Xylene Isomer				
Formylphenol Isomer				
Formylphenol Isomer				
Formylbenzoic Acid Isomer				
Ethyl Cinnamate Isomer				
Ethyl Cinnamate Isomer				
Unknown Hydrocarbon			100	JN
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown	380	JN	100	JN
Unknown	170	JN	180	JN
Unknown	83	JN	1800	JN
Unknown	100	JN	66	JN
Unknown	66	JN	2000	JN
Unknown	100	JN	1300	JN
Unknown			910	JN

**DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)**

CASE NO. 9202.923

All results reported in ug/Kg

Tentatively Identified Compounds	SBLKS1	Q	SBLKS2	Q
Unknown			1100	JN
Unknown			760	JN
Unknown			500	JN
Unknown			1000	JN
Unknown			830	JN
Unknown			630	JN
Unknown			500	JN
Unknown			400	JN
Unknown			300	JN
Unknown			220	JN
Unknown			170	JN
Unknown			100	JN

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - SemiVolatiles	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3B	Q	TP-3AD	Q
Phenol													UJ					
bis (2-chloroethyl) ether													UJ					
2-Chlorophenol													UJ					
1,3-Dichlorobenzene													UJ					
1,4-Dichlorobenzene													UJ					
1,2-Dichlorobenzene													UJ					
2-Methylphenol													UJ					
2,2'-oxybis(1-Chloropropane)													UJ					
4-methylphenol													UJ					
N-Nitroso-di-n-propylamine													UJ					
Hexachloroethane													UJ					
Nitrobenzene													UJ				UJ	
Isophorone													UJ					
2-Nitrophenol													UJ					
2,4-Dimethylphenol													UJ					
bis(2-chloroethoxy)methane													UJ					
2,4-Dichlorophenol													UJ					
1,2,4-Trichlorobenzene													UJ					
Naphthalene	260	J											97	J			82	J
4-chloroaniline		UJ		UJ		UJ		UJ					UJ		UJ		UJ	
Hexachlorobutadiene													UJ					
4-chloro-3-methylphenol													UJ					
2-methylnaphthalene	130	J											71	J			61	J
Hexachlorocyclopentadiene		UJ		UJ		UJ		UJ					UJ					
2,4,6-Trichlorophenol													UJ					
2,4,5-Trichlorophenol													UJ					
2-Chloronaphthalene													UJ					
2-Nitroaniline													UJ					
Dimethylphthalate													UJ					
Acenaphthylene													UJ					
2,6-Dinitrotoluene													UJ					
3-Nitroaniline													UJ		UJ			UJ

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - SemiVolatiles	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3B	Q	TP-3AD	Q
Acenaphthene	490	J											92	J			74	J
2,4-Dinitrophenol		UJ		UJ		UJ		UJ						UJ				
4-Nitrophenol														UJ				
Dibenzofuran	280	J											63	J			53	J
2,4-Dinitrotoluene														UJ				
Diethylphthalate														UJ				
4-chlorophenyl-phenylether														UJ				
Fluorene	450	J			92	J							65	J			52	J
4-Nitroaniline		UJ		UJ		UJ		UJ						UJ				
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ						UJ				
N-Nitrosodiphenylamine														UJ				
4-Bromophenyl-phenylether														UJ				
Hexachlorobenzene														UJ				
Pentachlorophenol														UJ				
Phenanthrene	3100		68	J	580		220	J					360	J			250	J
Anthracene	790				86	J								UJ				
Carbazole	400	J												UJ				UJ
Di-n-butylphthalate														UJ			40	J
Fluoranthene	3900		110	J	870		360	J			77	J	230	J			180	J
Pyrene	3400		94	J	670		270	J			72	J	270	J			140	J
Butylbenzylphthalate														UJ				
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ						UJ		UJ		R
Benzo(a)anthracene	1900				280	J	91	J					86	J			48	J
Chrysene	2000		53	J	370	J	130	J					91	J			54	J
bis(2-ethylhexyl)phthalate	520	U	410	U	430	U	430	U					370	U	370	U	380	U
Di-n-octyl phthalate														UJ		UJ		UJ
Benzo(b)flouranthene	2300	J	61	J	490	J		UJ					76	J		UJ	84	J
Benzo(k)flouranthene							450						62	J		UJ		
Benzo(a)pyrene	1500				270	J	100	J					54	J		UJ	29	J
Indeno(1,2,3-cd)pyrene	1400				300	J	100	J					52	J		UJ		
Dibenz(a,h)anthracene	540				100	J								UJ		UJ		UJ
Benzo(g,h,i)perylene	1000				210	J	75	J					41	J		UJ		

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - SemiVolatiles	TP-3BRE	Q	TP-4A	Q	TP-4B	Q	TP-4BRE	Q	TP-5A	Q	TP-5B	Q	TP-5C	Q	TP-5CRE	Q
Phenol																
bis (2-chloroethyl) ether						UJ		UJ								
2-Chlorophenol																
1,3-Dichlorobenzene						UJ		UJ								
1,4-Dichlorobenzene						UJ		UJ								
1,2-Dichlorobenzene						UJ		UJ								
2-Methylphenol																
2,2'-oxybis(1-Chloropropane)						UJ		UJ								
4-methylphenol																
N-Nitroso-di-n-propylamine						UJ		UJ								
Hexachloroethane						UJ		UJ								
Nitrobenzene				UJ		UJ		UJ								UJ
Isophorone						UJ		UJ								
2-Nitrophenol																
2,4-Dimethylphenol																
bis(2-chloroethoxy)methane						UJ		UJ								
2,4-Dichlorophenol																
1,2,4-Trichlorobenzene						UJ		UJ								
Naphthalene			43	J		UJ		UJ								
4-chloroaniline				UJ		UJ		UJ		UJ		UJ		UJ		UJ
Hexachlorobutadiene						UJ		UJ								
4-chloro-3-methylphenol																
2-methylnaphthalene			48	J		UJ		UJ								
Hexachlorocyclopentadiene						UJ		UJ								
2,4,6-Trichlorophenol						UJ		UJ								
2,4,5-Trichlorophenol						UJ		UJ								
2-Chloronaphthalene						UJ		UJ								
2-Nitroaniline						UJ		UJ								
Dimethylphthalate						UJ		UJ								
Acenaphthylene						UJ		UJ								
2,6-Dinitrotoluene						UJ		UJ								
3-Nitroaniline				UJ		UJ		UJ		UJ		UJ		UJ		UJ

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - SemiVolatiles	TP-3BRE	Q	TP-4A	Q	TP-4B	Q	TP-4BRE	Q	TP-5A	Q	TP-5B	Q	TP-5C	Q	TP-5CRE	Q
Acenaphthene						UJ		UJ								
2,4-Dinitrophenol						UJ		UJ								
4-Nitrophenol						UJ		UJ								
Dibenzofuran						UJ		UJ								
2,4-Dinitrotoluene						UJ		UJ								
Diethylphthalate						UJ		UJ								
4-chlorophenyl-phenylether						UJ		UJ								
Fluorene						UJ		UJ								
4-Nitroaniline		UJ				UJ		UJ								
4,6-Dinitro-2-methylphenol						UJ		UJ								
N-Nitrosodiphenylamine						UJ		UJ								
4-Bromophenyl-phenylether						UJ		UJ								
Hexachlorobenzene						UJ		UJ								
Pentachlorophenol																
Phenanthrene			120	J		UJ		UJ	75	J						
Anthracene						UJ		UJ								
Carbazole				UJ		UJ		UJ								UJ
Di-n-butylphthalate			27	J		UJ		UJ	110	J						
Fluoranthene			120	J		UJ		UJ	93	J						
Pyrene		UJ	100	J		UJ		UJ	79	J						
Butylbenzylphthalate						UJ		UJ								
3,3'-Dichlorobenzidine		UJ		R		UJ		UJ		UJ		UJ		UJ		R
Benzo(a)anthracene			78	J		UJ		UJ	50	J						
Chrysene			87	J		UJ		UJ	78	J		41	J			
bis(2-ethylhexyl)phthalate	370	U	370	U	370	U	560	U	330	U	370	U	370	U	370	U
Di-n-octyl phthalate		UJ		UJ		UJ		UJ					UJ			UJ
Benzo(b)flouranthene		UJ	130	J		UJ		UJ	89	J			UJ			UJ
Benzo(k)flouranthene		UJ	110	J		UJ		UJ	59	J			UJ			UJ
Benzo(a)pyrene		UJ	90	J		UJ		UJ					UJ			UJ
Indeno(1,2,3-cd)pyrene		UJ	170	J		UJ		UJ	55	J			UJ			UJ
Dibenz(a,h)anthracene		UJ		UJ		UJ		UJ					UJ			UJ
Benzo(g,h,i)perylene		UJ	150	J		UJ		UJ	48	J			UJ			UJ

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - SemiVolatiles	TP-6A	Q	TP-6B	Q	TP-7A	Q	TP-7B	Q	SBLKS4	Q	SBLKS5	Q	SBLKS1	Q	SBLKS2	Q
Phenol	200	J														
bis (2-chloroethyl) ether																
2-Chlorophenol																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
1,2-Dichlorobenzene																
2-Methylphenol																
2,2'-oxybis(1-Chloropropane)																
4-methylphenol																
N-Nitroso-di-n-propylamine													UJ			
Hexachloroethane																
Nitrobenzene					UJ		UJ									UJ
Isophorone																
2-Nitrophenol																
2,4-Dimethylphenol																
bis(2-chloroethoxy)methane																
2,4-Dichlorophenol																
1,2,4-Trichlorobenzene																
Naphthalene	48	J			49	J	89	J								
4-chloroaniline		UJ		UJ		UJ		UJ				UJ				UJ
Hexachlorobutadiene																
4-chloro-3-methylphenol																
2-methylnaphthalene					43	J	84	J								
Hexachlorocyclopentadiene													UJ			
2,4,6-Trichlorophenol																
2,4,5-Trichlorophenol																
2-Chloronaphthalene																
2-Nitroaniline																
Dimethylphthalate																
Acenaphthylene																
2,6-Dinitrotoluene																
3-Nitroaniline		UJ		UJ		UJ		UJ				UJ		UJ		UJ

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - SemiVolatiles	TP-6A	Q	TP-6B	Q	TP-7A	Q	TP-7B	Q	SBLKS4	Q	SBLKS5	Q	SBLKS1	Q	SBLKS2	Q
Acenaphthene							32	J								
2,4-Dinitrophenol													UJ			
4-Nitrophenol																
Dibenzofuran					29	J	55	J								
2,4-Dinitrotoluene																
Diethylphthalate																
4-chlorophenyl-phenylether																
Fluorene							58	J								
4-Nitroaniline													UJ			
4,6-Dinitro-2-methylphenol													UJ			
N-Nitrosodiphenylamine																
4-Bromophenyl-phenylether																
Hexachlorobenzene																
Pentachlorophenol																
Phenanthrene					240	J	640									
Anthracene					33	J	71	J								
Carbazole						UJ		UJ								UJ
Di-n-butylphthalate	500				43	J										
Fluoranthene					330	J	830									
Pyrene					330	J	680									
Butylbenzylphthalate																
3,3'-Dichlorobenzidine		UJ		UJ		R		R				UJ		UJ		R
Benzo(a)anthracene					220	J	480									
Chrysene					280	J	580									
bis(2-ethylhexyl)phthalate	370	U	410	U	390	U	420	U			130	J	94	J	98	J
Di-n-octyl phthalate						UJ		UJ								UJ
Benzo(b)flouranthene					330	J	600									
Benzo(k)flouranthene					200	J	670									
Benzo(a)pyrene					180	J	330	J								
Indeno(1,2,3-cd)pyrene					340	J	510									
Dibenz(a,h)anthracene					71	J	140	J								UJ
Benzo(g,h,i)perylene					290	J	360	J								

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - SemiVolatiles	SBLKS6	Q	SBLKS3	Q	MSB	Q	TP-5AMS	Q	TP-5AMSD	Q
Phenol					1200		1600		1400	
bis (2-chloroethyl) ether										
2-Chlorophenol					1100		1500		1300	
1,3-Dichlorobenzene										
1,4-Dichlorobenzene					890		1100		1000	
1,2-Dichlorobenzene										
2-Methylphenol										
2,2'-oxybis(1-Chloropropane)										
4-methylphenol										
N-Nitroso-di-n-propylamine					960		1400		1300	
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
bis(2-chloroethoxy)methane										
2,4-Dichlorophenol										
1,2,4-Trichlorobenzene					1200		1500		1400	
Naphthalene										
4-chloroaniline		UJ		UJ				UJ		UJ
Hexachlorobutadiene										
4-chloro-3-methylphenol					1000		1400		1200	
2-methylnaphthalene										
Hexachlorocyclopentadiene										
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethylphthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline		UJ		UJ				UJ		UJ

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters - SemiVolatiles	SBLKS6	Q	SBLKS3	Q	MSB	Q	TP-5AMS	Q	TP-5AMSD	Q
Acenaphthene					950		1300		1100	
2,4-Dinitrophenol		UJ								
4-Nitrophenol					1600		1800		1600	
Dibenzofuran										
2,4-Dinitrotoluene					1400		1700		1700	
Diethylphthalate										
4-chlorophenyl-phenylether										
Fluorene										
4-Nitroaniline		UJ								
4,6-Dinitro-2-methylphenol		UJ								
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
Pentachlorophenol					1500		1400		1100	
Phenanthrene							65 J		35 J	
Anthracene										
Carbazole										
Di-n-butylphthalate							45 J		38 J	
Fluoranthene							89 J		81 J	
Pyrene					1400		1800		1700	
Butylbenzylphthalate		UJ								
3,3'-Dichlorobenzidine		UJ		R				UJ		UJ
Benzo(a)anthracene							54 J		51 J	
Chrysene							74 J		72 J	
bis(2-ethylhexyl)phthalate		34 J		50 J			330 U		330 U	
Di-n-octyl phthalate		UJ								
Benzo(b)flouranthene							110 J		80 J	
Benzo(k)flouranthene							110 J		72 J	
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene							79 J		56 J	
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene							74 J		55 J	

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3B	Q
Dimethylnaphthalene Isomer													93	NJ		
Ethylcinnamate													93	NJ		
Ethylmethylbenzene Isomer																
Methylpropylbenzene Isomer																
Trichlorobiphenyl Isomer																
Trichlorobiphenyl Isomer																
Trichlorobiphenyl Isomer																
Trichlorobiphenyl Isomer & U																
Trichlorobiphenyl & Tetrachl																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
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Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Pentachlorobiphenyl Isomer																
Pentachlorobiphenyl Isomer																
Pentachlorobiphenyl Isomer																
Unknown Chlorinated Aromatic																
Unknown Chlorinated Aromatic																
Unknown Chlorinated Aromatic																
Unknown Chlorinated Aromatic																
Unknown Chlorinated Aromatic																
Unknown Hydrocarbon	1600	NJ	590	NJ	830	NJ	700	NJ			410	NJ	93	NJ	93	NJ
Unknown Hydrocarbon	660	NJ			680	NJ	390	NJ					110	NJ	240	NJ
Unknown Hydrocarbon	1300	NJ			1500	NJ							240	NJ	260	NJ
Unknown Hydrocarbon													260	NJ	370	NJ

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3B	Q
Unknown Hydrocarbon													170	NJ	350	NJ
Unknown Hydrocarbon													130	NJ	300	NJ
Unknown Hydrocarbon													130	NJ	500	NJ
Unknown Hydrocarbon													170	NJ	350	NJ
Unknown Hydrocarbon																
Unknown PAH	660	NJ														
Unknown PAH	1500	NJ														
Unknown PAH	530	NJ														
Unknown PAH	710	NJ														
Unknown PAH	660	NJ														
Unknown PAH	580	NJ														
Unknown PAH	630	NJ														
Unknown PAH	1700	NJ														
Unknown PAH	530	NJ														
Unknown PAH & Hydrocarbon	1100	NJ														
Unknown Oxy. Hydrocarbon											390	NJ				
Unknown Oxy. Hydrocarbon											340	NJ				
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Carboxylic Acid																
Unknown	610	NJ	1400	NJ	1400	NJ	1900	NJ	130	NJ	86	NJ	130	NJ	75	NJ
Unknown	1900	NJ	290	NJ	330	NJ	440	NJ	110	NJ	150	NJ	130	NJ	93	NJ

DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3B	Q
Unknown	580	NJ	1000	NJ	280	NJ	330	NJ	190	NJ	390	NJ	390	NJ	93	NJ
Unknown	1400	NJ	1100	NJ	1900	NJ	1400	NJ	400	NJ	990	NJ	110	NJ	800	NJ
Unknown	760	NJ	760	NJ	1400	NJ	680	NJ	1200	NJ	130	NJ	220	NJ	370	NJ
Unknown	500	NJ	2300	NJ	660	NJ	2200	NJ	94	NJ	110	NJ	280	NJ	170	NJ
Unknown	740	NJ	200	NJ	700	NJ	410	NJ	210	NJ	410	NJ	170	NJ	390	NJ
Unknown			1100	NJ	410	NJ	1200	NJ	190	NJ	240	NJ	130	NJ	130	NJ
Unknown			700	NJ	310	NJ	790	NJ	110	NJ	470	NJ	500	NJ	170	NJ
Unknown			410	NJ	220	NJ	390	NJ	400	NJ			540	NJ	210	NJ
Unknown			310	NJ	240	NJ	330	NJ	250	NJ						
Unknown			140	NJ	220	NJ	200	NJ								
Unknown			230	NJ	1100	NJ	220	NJ								
Unknown			250	NJ	460	NJ	170	NJ								
Unknown			200	NJ	1200	NJ	240	NJ								
Unknown			230	NJ	550	NJ	390	NJ								
Unknown			430	NJ	1300	NJ	370	NJ								
Unknown			390	NJ			330	NJ								
Unknown			350	NJ												
Unknown																

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	TP-3BRE	Q	TP-4A	Q	TP-4B	Q	TP-4BRE	Q	TP-5A	Q	TP-5B	Q	TP-5C	Q	TP-5CRE	Q
Dimethylnaphthalene Isomer																
Ethylcinnamate																
Ethylmethylbenzene Isomer									280	NJ						
Methylpropylbenzene Isomer									230	NJ						
Trichlorobiphenyl Isomer									1100	NJ	600	NJ	110	NJ	93	NJ
Trichlorobiphenyl Isomer									510	NJ	240	NJ				
Trichlorobiphenyl Isomer									510	NJ	210	NJ				
Trichlorobiphenyl Isomer & U									350	NJ						
Trichlorobiphenyl & Tetrachl											220	NJ				
Tetrachlorobiphenyl Isomer											210	NJ	93	NJ	93	NJ
Tetrachlorobiphenyl Isomer											150	NJ	93	NJ	110	NJ
Tetrachlorobiphenyl Isomer											650	NJ			93	NJ
Tetrachlorobiphenyl Isomer											390	NJ				
Tetrachlorobiphenyl Isomer											260	NJ				
Tetrachlorobiphenyl Isomer											620	NJ				
Tetrachlorobiphenyl Isomer											540	NJ				
Tetrachlorobiphenyl Isomer											130	NJ				
Tetrachlorobiphenyl Isomer											300	NJ				
Tetrachlorobiphenyl Isomer											560	NJ				
Tetrachlorobiphenyl Isomer											370	NJ				
Tetrachlorobiphenyl Isomer											410	NJ				
Tetrachlorobiphenyl Isomer											280	NJ				
Pentachlorobiphenyl Isomer											4100	NJ				
Pentachlorobiphenyl Isomer											2800	NJ				
Pentachlorobiphenyl Isomer																
Unknown Chlorinated Aromatic									420	NJ						
Unknown Chlorinated Aromatic									880	NJ						
Unknown Chlorinated Aromatic									480	NJ						
Unknown Chlorinated Aromatic									580	NJ						
Unknown Chlorinated Aromatic									450	NJ						
Unknown Hydrocarbon	470	NJ	300	NJ	180	NJ	170	NJ					110	NJ	150	NJ
Unknown Hydrocarbon			580	NJ	170	NJ	92	NJ					430	NJ	520	NJ
Unknown Hydrocarbon			300	NJ	150	NJ	110	NJ					600	NJ	800	NJ
Unknown Hydrocarbon			410	NJ	240	NJ	110	NJ					93	NJ	110	NJ

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	TP-3BRE	Q	TP-4A	Q	TP-4B	Q	TP-4BRE	Q	TP-5A	Q	TP-5B	Q	TP-5C	Q	TP-5CRE	Q
Unknown Hydrocarbon			300	NJ	200	NJ	92	NJ					210	NJ	220	NJ
Unknown Hydrocarbon			430	NJ	200	NJ							150	NJ	150	NJ
Unknown Hydrocarbon			230	NJ	220	NJ							170	NJ	190	NJ
Unknown Hydrocarbon			810	NJ	180	NJ										
Unknown Hydrocarbon																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH & Hydrocarbon																
Unknown Oxy. Hydrocarbon																
Unknown Oxy. Hydrocarbon																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
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Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Chlorinated Hydrocar																
Unknown Carboxylic Acid																
Unknown	75	NJ	400	NJ	110	NJ	110	NJ	270	NJ	820	NJ	150	NJ	150	NJ
Unknown	300	NJ	490	NJ	5500	NJ	2000	NJ	510	NJ			340	NJ	280	NJ

DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	TP-3BRE	Q	TP-4A	Q	TP-4B	Q	TP-4BRE	Q	TP-5A	Q	TP-5B	Q	TP-5C	Q	TP-5CRE	Q
Unknown	2400	NJ	1200	NJ	1800	NJ	92	NJ	510	NJ			2400	NJ	2400	NJ
Unknown	800	NJ	680	NJ	1800	NJ	1500	NJ	580	NJ			1000	NJ	970	NJ
Unknown	350	NJ	750	NJ	920	NJ	460	NJ	500	NJ			470	NJ	540	NJ
Unknown	170	NJ	740	NJ	790	NJ	1100	NJ	380	NJ			93	NJ	150	NJ
Unknown	93	NJ	1200	NJ	370	NJ	280	NJ	660	NJ			340	NJ	350	NJ
Unknown			620	NJ	330	NJ	130	NJ	500	NJ			150	NJ	110	NJ
Unknown			580	NJ	130	NJ	480	NJ	1000	NJ			260	NJ	210	NJ
Unknown			410	NJ	200	NJ	390	NJ					130	NJ		
Unknown			280	NJ	310	NJ	610	NJ								
Unknown			250	NJ	220	NJ	110	NJ								
Unknown																
Unknown																
Unknown																
Unknown																
Unknown																
Unknown																
Unknown																
Unknown																

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9302.138

All results reported in ug/Kg

Tentatively Identified Compounds	TP-6A	Q	TP-6B	Q	TP-7A	Q	TP-7B	Q	SBLKS4	Q	SBLKS5	Q	SBLKS1	Q	SBLKS2	Q
Dimethylnaphthalene Isomer																
Ethylcinnamate																
Ethylmethylbenzene Isomer																
Methylpropylbenzene Isomer																
Trichlorobiphenyl Isomer																
Trichlorobiphenyl Isomer																
Trichlorobiphenyl Isomer																
Trichlorobiphenyl Isomer & U																
Trichlorobiphenyl & Tetrachl																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Tetrachlorobiphenyl Isomer																
Pentachlorobiphenyl Isomer																
Pentachlorobiphenyl Isomer																
Pentachlorobiphenyl Isomer																
Unknown Chlorinated Aromatic																
Unknown Chlorinated Aromatic																
Unknown Chlorinated Aromatic																
Unknown Chlorinated Aromatic																
Unknown Chlorinated Aromatic																
Unknown Hydrocarbon			120	NJ	140	NJ	2600	NJ								
Unknown Hydrocarbon			150	NJ	160	NJ	1100	NJ								
Unknown Hydrocarbon			250	NJ	160	NJ	430	NJ								
Unknown Hydrocarbon			170	NJ	160	NJ	470	NJ								

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9302.138

All results reported in ug/Kg

Tentatively Identified Compounds	TP-6A	Q	TP-6B	Q	TP-7A	Q	TP-7B	Q	SBLKS4	Q	SBLKS5	Q	SBLKS1	Q	SBLKS2	Q
Unknown Hydrocarbon			230	NJ	590	NJ	380	NJ								
Unknown Hydrocarbon			170	NJ	430	NJ	400	NJ								
Unknown Hydrocarbon			210	NJ	630	NJ	770	NJ								
Unknown Hydrocarbon							740	NJ								
Unknown Hydrocarbon							530	NJ								
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH																
Unknown PAH & Hydrocarbon																
Unknown Oxy. Hydrocarbon																
Unknown Oxy. Hydrocarbon																
Unknown Chlorinated Hydrocar	1500	NJ														
Unknown Chlorinated Hydrocar	970	NJ														
Unknown Chlorinated Hydrocar	320	NJ														
Unknown Chlorinated Hydrocar	5800	NJ														
Unknown Chlorinated Hydrocar	560	NJ														
Unknown Chlorinated Hydrocar	1400	NJ														
Unknown Chlorinated Hydrocar	2400	NJ														
Unknown Chlorinated Hydrocar	620	NJ														
Unknown Chlorinated Hydrocar	6000	NJ														
Unknown Chlorinated Hydrocar	620	NJ														
Unknown Chlorinated Hydrocar	1300	NJ														
Unknown Chlorinated Hydrocar	2100	NJ														
Unknown Chlorinated Hydrocar	1500	NJ														
Unknown Carboxylic Acid																
Unknown	2800	NJ	580	NJ	380	NJ	1400	NJ	120	NJ	420	NJ	66	NJ	450	NJ
Unknown	5000	NJ	390	NJ	1000	NJ	940	NJ	300	NJ	83	NJ	850	NJ	450	NJ

**DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)**

CASE NO. 9302.138

All results reported in ug/Kg

Tentatively Identified Compounds	TP-6A	Q	TP-6B	Q	TP-7A	Q	TP-7B	Q	SBLKS4	Q	SBLKS5	Q	SBLKS1	Q	SBLKS2	Q
Unknown	860	NJ	420	NJ	1600	NJ	680	NJ	230	NJ	66	NJ	150	NJ	380	NJ
Unknown	710	NJ	230	NJ	1400	NJ	570	NJ	170	NJ	66	NJ	480	NJ	220	NJ
Unknown	860	NJ	370	NJ	1500	NJ	740	NJ	170	NJ	700	NJ	250	NJ	170	NJ
Unknown	1400	NJ	290	NJ	730	NJ	770	NJ	120	NJ	610	NJ	130	NJ	120	NJ
Unknown	1300	NJ	1900	NJ	1000	NJ	510	NJ	150	NJ	83	NJ	100	NJ	83	NJ
Unknown			150	NJ	140	NJ	470	NJ	66	NJ	380	NJ	83	NJ	120	NJ
Unknown			170	NJ	410	NJ	660	NJ	100	NJ	66	NJ	66	NJ	530	NJ
Unknown			190	NJ	340	NJ	850	NJ			320	NJ	66	NJ	100	NJ
Unknown			190	NJ	160	NJ	720	NJ			200	NJ	66	NJ	83	NJ
Unknown			830	NJ	790	NJ					83	NJ	170	NJ	100	NJ
Unknown			730	NJ	710	NJ					130	NJ	66	NJ	150	NJ
Unknown											180	NJ			170	NJ
Unknown											1000	NJ				
Unknown											170	NJ				
Unknown											180	NJ				
Unknown											200	NJ				
Unknown											480	NJ				
Unknown											320	NJ				

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	SBLKS6	Q	SBLKS3	Q
Dimethylnaphthalene Isomer				
Ethylcinnamate				
Ethylmethylbenzene Isomer				
Methylpropylbenzene Isomer				
Trichlorobiphenyl Isomer				
Trichlorobiphenyl Isomer				
Trichlorobiphenyl Isomer				
Trichlorobiphenyl Isomer & U				
Trichlorobiphenyl & Tetrachl				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Tetrachlorobiphenyl Isomer				
Pentachlorobiphenyl Isomer				
Pentachlorobiphenyl Isomer				
Pentachlorobiphenyl Isomer				
Unknown Chlorinated Aromatic				
Unknown Chlorinated Aromatic				
Unknown Chlorinated Aromatic				
Unknown Chlorinated Aromatic				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOILS - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	SBLKS6	Q	SBLKS3	Q
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown Hydrocarbon				
Unknown PAH				
Unknown PAH				
Unknown PAH				
Unknown PAH				
Unknown PAH				
Unknown PAH				
Unknown PAH				
Unknown PAH				
Unknown PAH				
Unknown PAH & Hydrocarbon				
Unknown Oxy. Hydrocarbon				
Unknown Oxy. Hydrocarbon				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Chlorinated Hydrocar				
Unknown Carboxylic Acid			66	NJ
Unknown	480	NJ	850	NJ
Unknown	220	NJ	150	NJ

**DEARCOP FARM SITE
TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)**

CASE NO. 9203.138

All results reported in ug/Kg

Tentatively Identified Compounds	SBLKS6	Q	SBLKS3	Q
Unknown	1100	NJ		
Unknown	2000	NJ		
Unknown	930	NJ		
Unknown	630	NJ		
Unknown	480	NJ		
Unknown	400	NJ		
Unknown	150	NJ		
Unknown	280	NJ		
Unknown	460	NJ		
Unknown	300	NJ		
Unknown	300	NJ		
Unknown	580	NJ		
Unknown	400	NJ		
Unknown	100	NJ		
Unknown	300	NJ		
Unknown	200	NJ		
Unknown	150	NJ		
Unknown	100	NJ		

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.003

All results reported in ug/Kg

Parameters - SemiVolatiles	SS-1	Q	SS-2	Q	SS-3	Q	SS-4	Q	SS-5	Q	SS-6	Q	SS-7	Q	SS-8	Q	SS-9	Q	SS-10	Q
Phenol																				
bis (2-chloroethyl) ether																				
2-Chlorophenol																				
1,3-Dichlorobenzene																				
1,4-Dichlorobenzene																				
1,2-Dichlorobenzene																				
2-Methylphenol									UJ								UJ		UJ	
2,2'-oxybis(1-Chloropropane)		UJ		UJ		UJ		UJ			UJ		UJ		UJ		UJ		UJ	
4-methylphenol																	UJ		UJ	
N-Nitroso-di-n-propylamine		UJ		UJ		UJ		UJ			UJ		UJ		UJ					
Hexachloroethane																				
Nitrobenzene																				
Isophorone																				
2-Nitrophenol																				
2,4-Dimethylphenol																				
bis(2-chloroethoxy)methane																				
2,4-Dichlorophenol																				
1,2,4-Trichlorobenzene																				
Naphthalene																				
4-chloroaniline																				
Hexachlorobutadiene																				
4-chloro-3-methylphenol																				
2-methylnaphthalene																				
Hexachlorocyclopentadiene																	UJ		UJ	
2,4,6-Trichlorophenol																				
2,4,5-Trichlorophenol																				
2-Chloronaphthalene																				
2-Nitroaniline																				
Dimethylphthalate																				
Acenaphthylene																				
2,6-Dinitrotoluene																				
3-Nitroaniline									UJ								UJ		UJ	

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.003

All results reported in ug/Kg

Parameters - SemiVolatiles	SS-1	Q	SS-2	Q	SS-3	Q	SS-4	Q	SS-5	Q	SS-6	Q	SS-7	Q	SS-8	Q	SS-9	Q	SS-10	Q
Acenaphthene																				
2,4-Dinitrophenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
4-Nitrophenol																				
Dibenzofuran																				
2,4-Dinitrotoluene																				
Diethylphthalate																				
4-chlorophenyl-phenylether																				
Fluorene																				
4-Nitroaniline																				
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
N-Nitrosodiphenylamine																				
4-Bromophenyl-phenylether																				
Hexachlorobenzene																				
Pentachlorophenol																				
Phenanthrene							45 J				50 J									
Anthracene																				
Carbazole									UJ											
Di-n-butylphthalate																				
Fluoranthene			51 J				48 J				78 J						54 J			
Pyrene			63 J		57 J		59 J				73 J						45 J			
Butylbenzylphthalate																				
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Benzo(a)anthracene																				
Chrysene																				
bis(2-ethylhexyl)phthalate																				
Di-n-octyl phthalate									UJ											
Benzo(b)flouranthene			81 J		94 J		51 J		65 J		87 J						60 J			
Benzo(k)flouranthene									UJ											
Benzo(a)pyrene																				
Indeno(1,2,3-cd)pyrene											46 J						33 J			
Dibenz(a,h)anthracene																				
Benzo(g,h,i)perylene					49 J						46 J						37 J			

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.003

All results reported in ug/Kg

Parameters - SemiVolatiles	SS-11	Q	SS-12	Q	SS-13	Q	SS-13RE	Q	SS-14	Q	SS-15	Q	SS-16	Q	SS-17	Q	SS-18	Q	SS-19	Q
Phenol													UJ							
bis (2-chloroethyl) ether													UJ							
2-Chlorophenol													UJ							
1,3-Dichlorobenzene													UJ							
1,4-Dichlorobenzene													UJ							
1,2-Dichlorobenzene													UJ							
2-Methylphenol		UJ		UJ		UJ		UJ				UJ	UJ		UJ		UJ			UJ
2,2'-oxybis(1-Chloropropane)		UJ		UJ		UJ						UJ	UJ		UJ		UJ			UJ
4-methylphenol		UJ		UJ		UJ						UJ	UJ		UJ		UJ			UJ
N-Nitroso-di-n-propylamine													UJ							
Hexachloroethane													UJ							
Nitrobenzene									UJ				UJ							
Isophorone													UJ							
2-Nitrophenol													UJ							
2,4-Dimethylphenol													UJ							
bis(2-chloroethoxy)methane													UJ							
2,4-Dichlorophenol													UJ							
1,2,4-Trichlorobenzene													UJ							
Naphthalene													UJ							
4-chloroaniline													UJ							
Hexachlorobutadiene													UJ							
4-chloro-3-methylphenol													UJ							
2-methylnaphthalene													UJ							
Hexachlorocyclopentadiene		UJ		UJ		UJ						UJ	UJ		UJ		UJ			UJ
2,4,6-Trichlorophenol													UJ							
2,4,5-Trichlorophenol													UJ							
2-Chloronaphthalene													UJ							
2-Nitroaniline													UJ							
Dimethylphthalate													UJ							
Acenaphthylene													UJ							
2,6-Dinitrotoluene													UJ							
3-Nitroaniline		UJ		UJ		UJ		UJ		UJ		UJ	UJ		UJ		UJ			UJ

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.003

All results reported in ug/Kg

Parameters - SemiVolatiles	SS-11	Q	SS-12	Q	SS-13	Q	SS-13RE	Q	SS-14	Q	SS-15	Q	SS-16	Q	SS-17	Q	SS-18	Q	SS-19	Q
Acenaphthene					21 J								UJ							
2,4-Dinitrophenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
4-Nitrophenol													UJ							
Dibenzofuran													UJ							
2,4-Dinitrotoluene													UJ							
Diethylphthalate													UJ		63 J					
4-chlorophenyl-phenylether													UJ							
Fluorene					24 J		20 J						UJ							
4-Nitroaniline													UJ							
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
N-Nitrosodiphenylamine													UJ							
4-Bromophenyl-phenylether													UJ							
Hexachlorobenzene													UJ							
Pentachlorophenol													UJ							
Phenanthrene			42 J		160 J		170 J		230 J				UJ							
Anthracene													UJ							
Carbazole								UJ	56 J				UJ							
Di-n-butylphthalate													UJ							
Fluoranthene			65 J		22 J		130 J		390 J		59 J		67 J				31 J			
Pyrene			79 J		67 J		250 J		370 J		67 J		77 J				33 J			
Butylbenzylphthalate						UJ							UJ							
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Benzo(a)anthracene						UJ			200 J				UJ							
Chrysene						UJ			260 J				UJ							
bis(2-ethylhexyl)phthalate			56 J			UJ							UJ							
Di-n-octyl phthalate						UJ		UJ					UJ							
Benzo(b)fluoranthene			120 J			UJ		UJ	430		90 J		78 J				57 J			
Benzo(k)fluoranthene						UJ		UJ					UJ							
Benzo(a)pyrene						UJ		UJ	280 J				UJ							
Indeno(1,2,3-cd)pyrene			45 J			UJ		UJ	240 J				UJ				31 J			
Dibenz(a,h)anthracene						UJ		UJ	85 J				UJ							
Benzo(g,h,i)perylene			48 J			UJ		UJ	210 J				UJ				40 J			

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.003

All results reported in ug/Kg

Parameters - SemiVolatiles	SS-20	Q	SBLKS1	Q	SBLKS2	Q	SBLKS3	Q	MSB	Q	SS-14MS	Q	SS-14MSD	Q
Phenol									1200		1500		1700	
bis (2-chloroethyl) ether														
2-Chlorophenol									1100		1300		1600	
1,3-Dichlorobenzene														
1,4-Dichlorobenzene									920		1000		1200	
1,2-Dichlorobenzene														
2-Methylphenol		UJ				UJ								
2,2'-oxybis(1-Chloropropane)		UJ												
4-methylphenol		UJ												
N-Nitroso-di-n-propylamine									660		800		950	
Hexachloroethane														
Nitrobenzene				UJ						UJ		UJ		UJ
Isophorone														
2-Nitrophenol														
2,4-Dimethylphenol														
bis(2-chloroethoxy)methane														
2,4-Dichlorophenol														
1,2,4-Trichlorobenzene									1400		1600		1800	
Naphthalene														
4-chloroaniline														
Hexachlorobutadiene														
4-chloro-3-methylphenol									1300		1500		1700	
2-methylnaphthalene														
Hexachlorocyclopentadiene		UJ												
2,4,6-Trichlorophenol														
2,4,5-Trichlorophenol														
2-Chloronaphthalene														
2-Nitroaniline														
Dimethylphthalate														
Acenaphthylene														
2,6-Dinitrotoluene								UJ						
3-Nitroaniline		UJ		UJ		UJ		UJ		UJ		UJ		UJ

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.003

All results reported in ug/Kg

Parameters - SemiVolatiles	SS-20	Q	SBLKS1	Q	SBLKS2	Q	SBLKS3	Q	MSB	Q	SS-14MS	Q	SS-14MSD	Q
Acenaphthene									1100		1300		1400	
2,4-Dinitrophenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ
4-Nitrophenol									1200		1400		1700	
Dibenzofuran														
2,4-Dinitrotoluene									1300		1400		1700	
Diethylphthalate														
4-chlorophenyl-phenylether														
Fluorene														
4-Nitroaniline								UJ						
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ		UJ		UJ		UJ
N-Nitrosodiphenylamine														
4-Bromophenyl-phenylether														
Hexachlorobenzene														
Pentachlorophenol									1300		1300		1700	
Phenanthrene											93 J		110 J	
Anthracene														
Carbazole						UJ		UJ						
Di-n-butylphthalate														
Fluoranthene	61 J										190 J		220 J	
Pyrene	65 J								1800		2100		2500	
Butylbenzylphthalate														
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Benzo(a)anthracene											120 J		130 J	
Chrysene											160 J		180 J	
bis(2-ethylhexyl)phthalate														
Di-n-octyl phthalate						UJ								
Benzo(b)fluoranthene	74 J										300 J		330 J	
Benzo(k)fluoranthene						UJ								
Benzo(a)pyrene											180 J		210 J	
Indeno(1,2,3-cd)pyrene	34 J										150 J		150 J	
Dibenz(a,h)anthracene											50 J		56 J	
Benzo(g,h,i)perylene											150 J		150 J	

SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.238

All results reported in ug/L

SDG NO. MW1D

Parameters - SemiVolatiles	MW2D	Q	MW4D	Q	MW8D	Q	SBLKW1	Q
Phenol	10		41	J	72	J		
bis (2-chloroethyl) ether				UJ		UJ		
2-Chlorophenol				UJ		UJ		
1,3-Dichlorobenzene				UJ		UJ		
1,4-Dichlorobenzene				UJ		UJ		
1,2-Dichlorobenzene				UJ		UJ		
2-Methylphenol				UJ		UJ		
2,2'-oxybis(1-Chloropropane)				UJ		UJ		
4-methylphenol				UJ		UJ		
N-Nitroso-di-n-propylamine				UJ		UJ		
Hexachloroethane				UJ		UJ		
Nitrobenzene				UJ		UJ		
Isophorone				UJ		UJ		
2-Nitrophenol				UJ		UJ		
2,4-Dimethylphenol				UJ		UJ		
bis(2-chloroethoxy)methane				UJ		UJ		
2,4-Dichlorophenol				UJ		UJ		
1,2,4-Trichlorobenzene				UJ		UJ		
Naphthalene				UJ		UJ		
4-chloroaniline				UJ		UJ		
Hexachlorobutadiene				UJ		UJ		
4-chloro-3-methylphenol				UJ		UJ		
2-methylnaphthalene				UJ		UJ		
Hexachlorocyclopentadiene		UJ		UJ		UJ		UJ
2,4,6-Trichlorophenol				UJ		UJ		
2,4,5-Trichlorophenol				UJ		UJ		
2-Chloronaphthalene				UJ		UJ		
2-Nitroaniline				UJ		UJ		
Dimethylphthalate				UJ		UJ		
Acenaphthylene				UJ		UJ		
2,6-Dinitrotoluene		UJ		UJ		UJ		UJ
3-Nitroaniline				UJ		UJ		

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.238

All results reported in ug/L

SDG NO. MW1D

Parameters - SemiVolatiles	MW2D	Q	MW4D	Q	MW8D	Q	SBLKW1	Q
Acenaphthene				UJ		UJ		
2,4-Dinitrophenol		UJ		UJ		UJ		UJ
4-Nitrophenol				UJ		UJ		
Dibenzofuran				UJ		UJ		
2,4-Dinitrotoluene				UJ		UJ		
Diethylphthalate				UJ		UJ		
4-chlorophenyl-phenylether				UJ		UJ		
Fluorene				UJ		UJ		
4-Nitroaniline		UJ		UJ		UJ		UJ
4,6-Dinitro-2-methylphenol		UJ		UJ		UJ		UJ
N-Nitrosodiphenylamine				UJ		UJ		
4-Bromophenyl-phenylether				UJ		UJ		
Hexachlorobenzene				UJ		UJ		
Pentachlorophenol				UJ		UJ		
Phenanthrene				UJ		UJ		
Anthracene				UJ		UJ		
Carbazole				UJ		UJ		
Di-n-butylphthalate				UJ		UJ		
Fluoranthene				UJ		UJ		
Pyrene				UJ		UJ		
Butylbenzylphthalate				UJ		UJ		
3,3'-Dichlorobenzidine				UJ		UJ		
Benzo(a)anthracene				UJ		UJ		
Chrysene				UJ		UJ		
bis(2-ethylhexyl)phthalate	20		2	J	19	J		
Di-n-octyl phthalate	1	J		UJ	1	J		
Benzo(b)fluoranthene				UJ		UJ		
Benzo(k)fluoranthene				UJ		UJ		
Benzo(a)pyrene				UJ		UJ		
Indeno(1,2,3-cd)pyrene				UJ		UJ		
Dibenz(a,h)anthracene				UJ		UJ		
Benzo(g,h,i)perylene				UJ		UJ		

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.238
SDG NO. MW1D

All results reported in ug/L

Tentatively Identified Compounds	MW2D	Q	MW4D	Q	MW8D	Q	SBLKW1	Q
Pharmaceutical Sulfur	21	NJ			5	NJ		
Molecular Sulfur	290000	NJ	95	NJ	120000	NJ		
Unknown Acid	8	NJ	4	NJ	7	NJ	4	NJ
Unknown Carboxylic Acid	5	NJ	2	NJ	8	NJ		
Unknown Carboxylic Acid			2	NJ				
Unknown Oxy. Hydrocarbon			4	NJ	6	NJ		
Unknown Acid Ester			7	NJ	12	NJ		
Unknown Acid Ester			2	NJ				
Unknown Acid Ester			4	NJ				
Unknown Acid Ester			5	NJ				
Unknown Hydrocarbon	27	NJ			40	NJ		
Unknown Hydrocarbon	5	NJ			6	NJ		
Unknown Hydrocarbon	8	NJ			11	NJ		
Unknown Hydrocarbon	10	NJ			12	NJ		
Unknown Hydrocarbon	10	NJ			12	NJ		
Unknown Hydrocarbon	9	NJ			10	NJ		
Unknown Hydrocarbon	8	NJ			6	NJ		
Unknown Hydrocarbon	8	NJ			6	NJ		
Unknown Hydrocarbon	6	NJ			4	NJ		
Unknown Hydrocarbon	6	NJ			4	NJ		
Unknown Hydrocarbon	4	NJ						
Unknown Hydrocarbon	4	NJ						
Unknown Amide					5	NJ		
Unknown	4	NJ	11	NJ	16	NJ		
Unknown	3	NJ	7	NJ	4	NJ		
Unknown	4	NJ	8	NJ	11	NJ		
Unknown	4	NJ						

SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.358

All results reported in ug/L

SDG NO. MW-04S

Parameters - SemiVolatiles	MW-04S	Q	MW-04SDUP	Q	MW-07S	Q	MW-08S	Q	MW-09S	Q	MW-1D	Q	MW-5S	Q	MW-9D	Q
Phenol											9 J					
bis (2-chloroethyl) ether																
2-Chlorophenol																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
1,2-Dichlorobenzene																
2-Methylphenol															2 J	
2,2'-oxybis(1-Chloropropane)																
4-methylphenol																
N-Nitroso-di-n-propylamine																
Hexachloroethane																
Nitrobenzene																
Isophorone																
2-Nitrophenol																
2,4-Dimethylphenol															1 J	
bis(2-chloroethoxy)methane																
2,4-Dichlorophenol																
1,2,4-Trichlorobenzene																
Naphthalene											1 J					
4-chloroaniline																
Hexachlorobutadiene																
4-chloro-3-methylphenol																
2-methylnaphthalene																
Hexachlorocyclopentadiene																
2,4,6-Trichlorophenol																
2,4,5-Trichlorophenol																
2-Chloronaphthalene																
2-Nitroaniline																
Dimethylphthalate																
Acenaphthylene																
2,6-Dinitrotoluene																
3-Nitroaniline		UJ		UJ		UJ		UJ		UJ				UJ		UJ
Acenaphthene																

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358

All results reported in ug/L

SDG NO. MW-04S

Parameters - SemiVolatiles	MW-04S	Q	MW-04SDUP	Q	MW-07S	Q	MW-08S	Q	MW-09S	Q	MW-1D	Q	MW-5S	Q	MW-9D	Q
2,4-Dinitrophenol		UJ		UJ		UJ		UJ		UJ						
4-Nitrophenol													UJ			UJ
Dibenzofuran																
2,4-Dinitrotoluene		UJ		UJ		UJ		UJ		UJ						
Diethylphthalate											1 J				1 J	
4-chlorophenyl-phenylether																
Fluorene																
4-Nitroaniline													UJ			UJ
4,6-Dinitro-2-methylphenol																
N-Nitrosodiphenylamine													UJ			UJ
4-Bromophenyl-phenylether																
Hexachlorobenzene																
Pentachlorophenol																
Phenanthrene																
Anthracene																
Carbazole																
Di-n-butylphthalate																
Fluoranthene																
Pyrene																
Butylbenzylphthalate																
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ		UJ						
Benzo(a)anthracene																
Chrysene																
bis(2-ethylhexyl)phthalate					1 J		1 J		4 J							
Di-n-octyl phthalate																
Benzo(b)flouranthene																
Benzo(k)flouranthene																
Benzo(a)pyrene																
Indeno(1,2,3-cd)pyrene		UJ		UJ		UJ		UJ		UJ						
Dibenz(a,h)anthracene		UJ		UJ		UJ		UJ		UJ						
Benzo(g,h,i)perylene		UJ		UJ		UJ		UJ		UJ						
Pyridine																

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358

All results reported in ug/L

SDG NO. MW-04S

Parameters - SemiVolatiles	MW-10D	Q	MW-10S	Q	RINSATE BLK	Q	SBLKW1	Q	SBLKW2	Q	MSB	Q	MW-10SMS	Q	MW-10MSD	Q
Phenol											44		26		67	
bis (2-chloroethyl) ether																
2-Chlorophenol											59		42		76	
1,3-Dichlorobenzene																
1,4-Dichlorobenzene											45		34		53	
1,2-Dichlorobenzene																
2-Methylphenol	1	J														
2,2'-oxybis(1-Chloropropane)																
4-methylphenol	1	J	3	J									1	J	4	J
N-Nitroso-di-n-propylamine											51		37		56	
Hexachloroethane																
Nitrobenzene																
Isophorone																
2-Nitrophenol																
2,4-Dimethylphenol																
bis(2-chloroethoxy)methane																
2,4-Dichlorophenol																
1,2,4-Trichlorobenzene											66		51		73	
Naphthalene																
4-chloroaniline																
Hexachlorobutadiene																
4-chloro-3-methylphenol											67		46		71	
2-methylnaphthalene																
Hexachlorocyclopentadiene																
2,4,6-Trichlorophenol																
2,4,5-Trichlorophenol																
2-Chloronaphthalene																
2-Nitroaniline																
Dimethylphthalate																
Acenaphthylene																
2,6-Dinitrotoluene																
3-Nitroaniline		UJ		UJ		UJ		UJ		UJ		UJ		UJ		
Acenaphthene											51		37		57	

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358

SDG NO. MW-04S

All results reported in ug/L

Parameters - SemiVolatiles	MW-10D	Q	MW-10S	Q	RINSATE BLK	Q	SBLKW1	Q	SBLKW2	Q	MSB	Q	MW-10SMS	Q	MW-10MSD	Q
2,4-Dinitrophenol				UJ				UJ				UJ		UJ		
4-Nitrophenol		UJ				UJ				UJ	53		24	J	62	
Dibenzofuran																
2,4-Dinitrotoluene				UJ				UJ			81	J	60	J	82	E
Diethylphthalate																
4-chlorophenyl-phenylether																
Fluorene																
4-Nitroaniline		UJ				UJ				UJ						
4,6-Dinitro-2-methylphenol																
N-Nitrosodiphenylamine		UJ				UJ				UJ						
4-Bromophenyl-phenylether																
Hexachlorobenzene																
Pentachlorophenol											79		62		95	E
Phenanthrene																
Anthracene																
Carbazole																
Di-n-butylphthalate																
Fluoranthene																
Pyrene											92	E	47		75	
Butylbenzylphthalate																
3,3'-Dichlorobenzidine				UJ				UJ				UJ		UJ		
Benzo(a)anthracene																
Chrysene																
bis(2-ethylhexyl)phthalate											1	J	1	J	1	J
Di-n-octyl phthalate																
Benzo(b)flouranthene																
Benzo(k)flouranthene																
Benzo(a)pyrene																
Indeno(1,2,3-cd)pyrene				UJ				UJ				UJ		UJ		
Dibenz(a,h)anthracene				UJ				UJ				UJ		UJ		
Benzo(g,h,i)perylene				UJ				UJ				UJ		UJ		
Pyridine																

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Tentatively Identified Compounds	MW-04S	Q	MW-04SDUP	Q	MW-07S	Q	MW-08S	Q	MW-09S	Q	MW-1D	Q	MW-5S	Q
Pharmaceutical Sulfur & Unknown											3	NJ		
Pharmaceutical Sulfur														
Molecular Sulfur											180	NJ		
Trimethylbenzene Isomer														
Dimethyltetrasulphide														
Unknown Alkylsulfide														
Unknown Alkylsulfide														
Unknown Alkylsulfide														
Unknown Hydrocarbon									2	NJ			2	NJ
Unknown Hydrocarbon													8	NJ
Unknown	2	NJ	6	NJ	20	NJ	4	NJ	3	NJ	6	NJ	4	NJ
Unknown			2	NJ	18	NJ	2	NJ			2	NJ	5	NJ
Unknown											2	NJ		
Unknown														
Unknown														

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Tentatively Identified Compounds	MW-9D	Q	MW-10D	Q	MW-10S	Q	RINSATE BLK	Q	SBLKW1	Q	SBLKW2	Q
Pharmaceutical Sulfur & Unknown												
Pharmaceutical Sulfur	4	NJ	4	NJ								
Molecular Sulfur	210	NJ	180	NJ								
Trimethylbenzene Isomer	2	NJ										
Dimethyltetrasulphide	3	NJ	4	NJ								
Unknown Alkylsulfide	3	NJ	5	NJ								
Unknown Alkylsulfide	2	NJ										
Unknown Alkylsulfide	2	NJ										
Unknown Hydrocarbon					3	NJ						
Unknown Hydrocarbon												
Unknown	3	NJ	2	NJ	4	NJ						
Unknown					2	NJ						
Unknown					8	NJ						
Unknown					3	NJ						
Unknown					3	NJ						

SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/L

Parameters - SemiVolatiles	MH-01	Q	MH-02	Q	QW-1	Q	SW-1	Q	SW-2	Q	SW-3	Q	SW-3D	Q	SW-4	Q	SW-5	Q
Phenol				UJ						UJ								
bis (2-chloroethyl) ether				UJ						UJ								
2-Chlorophenol				UJ						UJ								
1,3-Dichlorobenzene				UJ						UJ								
1,4-Dichlorobenzene			6	J						UJ								
1,2-Dichlorobenzene				UJ						UJ								
2-Methylphenol				UJ						UJ								
2,2'-oxybis(1-Chloropropane)				UJ						UJ								
4-methylphenol		7	J	UJ						UJ								
N-Nitroso-di-n-propylamine				UJ		UJ				UJ								UJ
Hexachloroethane				UJ						UJ								
Nitrobenzene				UJ						UJ								
Isophorone				UJ						UJ								
2-Nitrophenol				UJ						UJ								
2,4-Dimethylphenol				UJ						UJ								
bis(2-chloroethoxy)methane				UJ						UJ								
2,4-Dichlorophenol				UJ						UJ								
1,2,4-Trichlorobenzene				UJ						UJ								
Naphthalene				UJ						UJ								
4-chloroaniline		UJ		UJ				UJ		UJ		UJ		UJ		UJ		
Hexachlorobutadiene				UJ						UJ								
4-chloro-3-methylphenol				UJ						UJ								
2-methylnaphthalene				UJ						UJ								
Hexachlorocyclopentadiene				UJ		UJ				UJ					UJ		UJ	
2,4,6-Trichlorophenol				UJ						UJ								
2,4,5-Trichlorophenol				UJ						UJ								
2-Chloronaphthalene				UJ						UJ								
2-Nitroaniline				UJ						UJ								
Dimethylphthalate				UJ						UJ								
Acenaphthylene				UJ						UJ								
2,6-Dinitrotoluene				UJ						UJ								
3-Nitroaniline		UJ		UJ		UJ		UJ		UJ		UJ		UJ				UJ
Acenaphthene				UJ						UJ								
2,4-Dinitrophenol				UJ		UJ				UJ						UJ		UJ

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9203.166

All results reported in ug/L

Parameters - SemiVolatiles	MH-01	Q	MH-02	Q	QW-1	Q	SW-1	Q	SW-2	Q	SW-3	Q	SW-3D	Q	SW-4	Q	SW-5	Q	
4-Nitrophenol				UJ						UJ									
Dibenzofuran				UJ						UJ									
2,4-Dinitrotoluene				UJ						UJ									
Diethylphthalate	20			UJ	3	J				UJ									
4-chlorophenyl-phenylether				UJ						UJ									
Fluorene				UJ						UJ									
4-Nitroaniline				UJ		UJ				UJ						UJ		UJ	
4,6-Dinitro-2-methylphenol				UJ		UJ				UJ						UJ		UJ	
N-Nitrosodiphenylamine				UJ						UJ									
4-Bromophenyl-phenylether				UJ						UJ									
Hexachlorobenzene				UJ						UJ									
Pentachlorophenol				UJ						UJ									
Phenanthrene				UJ						UJ									
Anthracene				UJ						UJ									
Carbazole				UJ						UJ									
Di-n-butylphthalate	5	J		UJ						UJ									
Fluoranthene				UJ						UJ									
Pyrene				UJ						UJ									
Butylbenzylphthalate		UJ		UJ				UJ		UJ		UJ		UJ					
3,3'-Dichlorobenzidine				UJ		UJ				UJ						UJ		UJ	
Benzo(a)anthracene				UJ						UJ									
Chrysene				UJ						UJ									
bis(2-ethylhexyl)phthalate	3	J		4	J	1	J		UJ	4	J	2	J	1	J	2	J	1	J
Di-n-octyl phthalate		UJ		UJ				UJ		UJ		UJ		UJ					
Benzo(b)fluoranthene				UJ						UJ						UJ			
Benzo(k)fluoranthene				UJ						UJ									
Benzo(a)pyrene				UJ						UJ									
Indeno(1,2,3-cd)pyrene				UJ						UJ									
Dibenz(a,h)anthracene				UJ						UJ									
Benzo(g,h,i)perylene				UJ						UJ									
Pyridine		NA		NA		UJ		NA		NA		NA		NA				UJ	
3-Chloropyridine		NA		NA				NA		NA		NA		NA					
2-Chloropyridine		NA		NA				NA		NA		NA		NA		3		3	
4-Fluoroaniline		NA		NA		UJ		NA		NA		NA		NA		UJ		UJ	
2,6-Dichloropyridine		NA		NA				NA		NA		NA		NA					

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9203.166

All results reported in ug/L

Parameters - SemiVolatiles	SW-6	Q	SBLKW1	Q	SBLKW2	Q	SBLKW3	Q	MSB	Q	SW-1MS	Q	SW-1MSD	Q
Phenol									44		17		24	
bis (2-chloroethyl) ether											UJ		UJ	
2-Chlorophenol									49		26		32	
1,3-Dichlorobenzene											UJ		UJ	
1,4-Dichlorobenzene									33		20	J	24	J
1,2-Dichlorobenzene											UJ		UJ	
2-Methylphenol														
2,2'-oxybis(1-Chloropropane)											UJ		UJ	
4-methylphenol														
N-Nitroso-di-n-propylamine		UJ							40		22	J	26	J
Hexachloroethane											UJ		UJ	
Nitrobenzene											UJ		UJ	
Isophorone											UJ		UJ	
2-Nitrophenol														
2,4-Dimethylphenol														
bis(2-chloroethoxy)methane											UJ		UJ	
2,4-Dichlorophenol														
1,2,4-Trichlorobenzene									44		27	J	33	J
Naphthalene											UJ		UJ	
4-chloroaniline			UJ		UJ		UJ		UJ		UJ		UJ	
Hexachlorobutadiene											UJ		UJ	
4-chloro-3-methylphenol									47		23		30	
2-methylnaphthalene											UJ		UJ	
Hexachlorocyclopentadiene		UJ									UJ		UJ	
2,4,6-Trichlorophenol														
2,4,5-Trichlorophenol														
2-Chloronaphthalene											UJ		UJ	
2-Nitroaniline								UJ			UJ		UJ	
Dimethylphthalate											UJ		UJ	
Acenaphthylene											UJ		UJ	
2,6-Dinitrotoluene											UJ		UJ	
3-Nitroaniline		UJ		UJ						UJ				
Acenaphthene									36		22	J	26	J
2,4-Dinitrophenol		UJ												

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9203.166

All results reported in ug/L

Parameters - SemiVolatiles	SW-6	Q	SBLKW1	Q	SBLKW2	Q	SBLKW3	Q	MSB	Q	SW-1MS	Q	SW-1MSD	Q
4-Nitrophenol									42		14	J	24	J
Dibenzofuran												UJ		UJ
2,4-Dinitrotoluene									53		29	J	37	J
Diethylphthalate												UJ		UJ
4-chlorophenyl-phenylether												UJ		UJ
Fluorene												UJ		UJ
4-Nitroaniline		UJ				UJ		UJ				UJ		UJ
4,6-Dinitro-2-methylphenol		UJ				UJ								
N-Nitrosodiphenylamine						UJ						UJ		UJ
4-Bromophenyl-phenylether												UJ		UJ
Hexachlorobenzene												UJ		UJ
Pentachlorophenol									48		27		35	
Phenanthrene												UJ		UJ
Anthracene												UJ		UJ
Carbazole						UJ		UJ				UJ		UJ
Di-n-butylphthalate												UJ		UJ
Fluoranthene												UJ		UJ
Pyrene								UJ	57		31	J	35	J
Butylbenzylphthalate				UJ				UJ		UJ		UJ		UJ
3,3'-Dichlorobenzidine		UJ				UJ		UJ				UJ		UJ
Benzo(a)anthracene												UJ		UJ
Chrysene												UJ		UJ
bis(2-ethylhexyl)phthalate		3 J		UJ				UJ		UJ		UJ		UJ
Di-n-octyl phthalate				UJ		UJ				UJ		UJ		UJ
Benzo(b)flouranthene												UJ		UJ
Benzo(k)flouranthene												UJ		UJ
Benzo(a)pyrene												UJ		UJ
Indeno(1,2,3-cd)pyrene												UJ		UJ
Dibenz(a,h)anthracene												UJ		UJ
Benzo(g,h,i)perylene												UJ		UJ
Pyridine		UJ		NA				NA		NA		NA		NA
3-Chloropyridine				NA				NA		NA		NA		NA
2-Chloropyridine		2		NA				NA		NA		NA		NA
4-Fluoroaniline		UJ		NA				NA		NA		NA		NA
2,6-Dichloropyridine				NA				NA		NA		NA		NA

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.428

All results reported in ug/Kg

Parameters - SemiVolatiles	MW-6D	Q	SBLKS1	Q	MSB	Q	MW-6DMS	Q	MW-6DMSD	Q
Phenol					1200		2100		2100	
bis (2-chloroethyl) ether										
2-Chlorophenol					1200		1900		1800	
1,3-Dichlorobenzene										
1,4-Dichlorobenzene					1000		1500		1300	
1,2-Dichlorobenzene										
2-Methylphenol										
2,2'-oxybis(1-Chloropropane)										
4-methylphenol										
N-Nitroso-di-n-propylamine					780	J	1500	J	2000	
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
bis(2-chloroethoxy)methane										
2,4-Dichlorophenol										
1,2,4-Trichlorobenzene					1600		2300		1600	
Naphthalene	73	J					140	J	120	J
4-chloroaniline										
Hexachlorobutadiene										
4-chloro-3-methylphenol					1300		1600		1400	
2-methylnaphthalene	50	J					95	J	72	J
Hexachlorocyclopentadiene		UJ		UJ						UJ
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethylphthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline		UJ		UJ		UJ		UJ		UJ

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.428

All results reported in ug/Kg

Parameters - SemiVolatiles	MW-6D	Q	SBLKS1	Q	MSB	Q	MW-6DMS	Q	MW-6DMSD	Q
Acenaphthene	30	J			1100		1600		1400	
2,4-Dinitrophenol										
4-Nitrophenol					1700	J	2700	J	2700	
Dibenzofuran	33	J					79	J	62	J
2,4-Dinitrotoluene					1500		2500		1700	
Diethylphthalate										
4-chlorophenyl-phenylether										
Fluorene	40	J					100	J	79	J
4-Nitroaniline		UJ		UJ		UJ		UJ		
4,6-Dinitro-2-methylphenol										
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
Pentachlorophenol		UJ		UJ	2000		2200		2000	J
Phenanthrene	190	J					590		360	J
Anthracene	22	J					67	J	47	J
Carbazole						UJ	120	J	75	J
Di-n-butylphthalate										
Fluoranthene	130	J					520		330	J
Pyrene	130	J			1300	J	2800	J	1600	
Butylbenzylphthalate						UJ	29	J		
3,3'-Dichlorobenzidine		UJ		UJ		UJ		UJ		UJ
Benzo(a)anthracene	65	J					220	J	140	J
Chrysene	100	J					280	J	170	J
bis(2-ethylhexyl)phthalate	140	J					250	J	120	J
Di-n-octyl phthalate		UJ		UJ						
Benzo(b)fluoranthene	91	J					380		340	J
Benzo(k)fluoranthene	68	J					220	J		
Benzo(a)pyrene	56	J					230	J	160	J
Indeno(1,2,3-cd)pyrene	65	J					240	J	220	J
Dibenz(a,h)anthracene	19	J					81	J	77	J
Benzo(g,h,i)perylene	56	J					210	J	190	J

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.428

All results reported in ug/Kg

Tentatively Identified Compounds	MW-6D	Q	SBLKS1	Q
Unknown Hydrocarbon	300	J		
Unknown Hydrocarbon	880	J		
Unknown Hydrocarbon	1600	J		
Unknown Hydrocarbon	500	J		
Unknown Hydrocarbon	280	J		
Unknown Hydrocarbon	370	J		
Unknown Hydrocarbon	370	J		
Unknown Hydrocarbon	300	J		
Unknown Alkylcycloalkane	220	J		
Unknown PAH & Unknown Hydroc	210	J		
Unknown Carboxylic Acid	990	J		
Unknown Carboxylic Acid	650	J		
Unknown Oxygenated PAH	390	J		
Unknown	370	J	400	J
Unknown	520	J		
Unknown	750	J		
Unknown	1100	J		
Unknown	220	J		
Unknown	220	J		
Unknown	500	J		

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.559

All results reported in ug/L

Parameters - SemiVolatiles	DR-3	Q	MW-2D(N)	Q	MW-3D	Q	MW-6D	Q	MW-6S	Q	MW-6SDUP	Q	MW-8SR	Q	MW-9DR	Q
Phenol																
bis (2-chloroethyl) ether																
2-Chlorophenol																
1,3-Dichlorobenzene																
1,4-Dichlorobenzene																
1,2-Dichlorobenzene																
2-Methylphenol																
2,2'-oxybis(1-Chloropropane)																
4-methylphenol																
N-Nitroso-di-n-propylamine																
Hexachloroethane																
Nitrobenzene																
Isophorone																
2-Nitrophenol																
2,4-Dimethylphenol																
bis(2-chloroethoxy)methane																
2,4-Dichlorophenol																
1,2,4-Trichlorobenzene																
Naphthalene																
4-chloroaniline																
Hexachlorobutadiene																
4-chloro-3-methylphenol																
2-methylnaphthalene																
Hexachlorocyclopentadiene																UJ
2,4,6-Trichlorophenol																
2,4,5-Trichlorophenol																
2-Chloronaphthalene																
2-Nitroaniline																
Dimethylphthalate																
Acenaphthylene																
2,6-Dinitrotoluene																
3-Nitroaniline		UJ		UJ		UJ		UJ						UJ		

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters - SemiVolatiles	DR-3	Q	MW-2D(N)	Q	MW-3D	Q	MW-6D	Q	MW-6S	Q	MW-6SDUP	Q	MW-8SR	Q	MW-9DR	Q
Acenaphthene																
2,4-Dinitrophenol																UJ
4-Nitrophenol		UJ		UJ		UJ		UJ						UJ		
Dibenzofuran																
2,4-Dinitrotoluene																
Diethylphthalate																
4-chlorophenyl-phenylether																
Fluorene																
4-Nitroaniline		UJ		UJ		UJ		UJ		UJ		UJ		UJ		
4,6-Dinitro-2-methylphenol										UJ		UJ				
N-Nitrosodiphenylamine																
4-Bromophenyl-phenylether																
Hexachlorobenzene																
Pentachlorophenol																
Phenanthrene																
Anthracene																
Carbazole										UJ		UJ				
Di-n-butylphthalate																
Fluoranthene																
Pyrene																
Butylbenzylphthalate																
3,3'-Dichlorobenzidine										UJ		UJ				
Benzo(a)anthracene																
Chrysene																
bis(2-ethylhexyl)phthalate				1 U												10 U
Di-n-octyl phthalate																
Benzo(b)fluoranthene																
Benzo(k)fluoranthene																
Benzo(a)pyrene																
Indeno(1,2,3-cd)pyrene																
Dibenz(a,h)anthracene																
Benzo(g,h,i)perylene																

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters - SemiVolatiles	MW-10DR	Q	MW-10SR	Q	MW-DR-2	Q	MW-RIN-9DR	Q	SBLKW1	Q	SBLKW2	Q	SBLKW3	Q	MSB	Q
Phenol															48	
bis (2-chloroethyl) ether																
2-Chlorophenol															55	
1,3-Dichlorobenzene																
1,4-Dichlorobenzene															42	
1,2-Dichlorobenzene																
2-Methylphenol			1 J													
2,2'-oxybis(1-Chloropropane)																
4-methylphenol			4 J													
N-Nitroso-di-n-propylamine															45	
Hexachloroethane																
Nitrobenzene																
Isophorone																
2-Nitrophenol																
2,4-Dimethylphenol																
bis(2-chloroethoxy)methane																
2,4-Dichlorophenol																
1,2,4-Trichlorobenzene															44	
Naphthalene																
4-chloroaniline																
Hexachlorobutadiene																
4-chloro-3-methylphenol															58	
2-methylnaphthalene																
Hexachlorocyclopentadiene		UJ				UJ		UJ		UJ		UJ				UJ
2,4,6-Trichlorophenol																
2,4,5-Trichlorophenol																
2-Chloronaphthalene																
2-Nitroaniline																
Dimethylphthalate																
Acenaphthylene																
2,6-Dinitrotoluene																
3-Nitroaniline														UJ		

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters - SemiVolatiles	MW-10DR	Q	MW-10SR	Q	MW-DR-2	Q	MW-RIN-9DR	Q	SBLKW1	Q	SBLKW2	Q	SBLKW3	Q	MSB	Q
Acenaphthene															46	
2,4-Dinitrophenol		UJ						UJ		UJ						UJ
4-Nitrophenol													UJ		53	
Dibenzofuran																
2,4-Dinitrotoluene															40	
Diethylphthalate					10	U		10	U		1	J				
4-chlorophenyl-phenylether																
Fluorene																
4-Nitroaniline				UJ		UJ						UJ		UJ		
4,6-Dinitro-2-methylphenol				UJ												
N-Nitrosodiphenylamine																
4-Bromophenyl-phenylether																
Hexachlorobenzene																
Pentachlorophenol						UJ						UJ			60	
Phenanthrene																
Anthracene																
Carbazole				UJ		UJ						UJ				
Di-n-butylphthalate																
Fluoranthene																
Pyrene															47	
Butylbenzylphthalate																
3,3'-Dichlorobenzidine				UJ												
Benzo(a)anthracene																
Chrysene																
bis(2-ethylhexyl)phthalate		10	U					1	J							
Di-n-octyl phthalate																
Benzo(b)flouranthene																
Benzo(k)flouranthene																
Benzo(a)pyrene																
Indeno(1,2,3-cd)pyrene																
Dibenz(a,h)anthracene																
Benzo(g,h,i)perylene																

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters - SemiVolatiles	MW-10SRMS	Q	MW-10SRMSD	Q
Phenol	55		56	
bis (2-chloroethyl) ether				
2-Chlorophenol	55		57	
1,3-Dichlorobenzene				
1,4-Dichlorobenzene	44		44	
1,2-Dichlorobenzene				
2-Methylphenol	2 J		1 J	
2,2'-oxybis(1-Chloropropane)				
4-methylphenol	5 J		6 J	
N-Nitroso-di-n-propylamine	47		48	
Hexachloroethane				
Nitrobenzene				
Isophorone				
2-Nitrophenol				
2,4-Dimethylphenol				
bis(2-chloroethoxy)methane				
2,4-Dichlorophenol				
1,2,4-Trichlorobenzene	45		45	
Naphthalene				
4-chloroaniline				
Hexachlorobutadiene				
4-chloro-3-methylphenol	59		61	
2-methylnaphthalene				
Hexachlorocyclopentadiene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenol				
2-Chloronaphthalene				
2-Nitroaniline				
Dimethylphthalate				
Acenaphthylene				
2,4-Dinitrotoluene				
2-Nitroaniline				

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters - SemiVolatiles	MW-10SRMS	Q	MW-10SRMSD	Q
Acenaphthene	43		43	
2,4-Dinitrophenol				
4-Nitrophenol	45		46	
Dibenzofuran				
2,4-Dinitrotoluene	46		46	
Diethylphthalate				
4-chlorophenyl-phenylether				
Fluorene				
4-Nitroaniline		UJ		UJ
4,6-Dinitro-2-methylphenol		UJ		UJ
N-Nitrosodiphenylamine				
4-Bromophenyl-phenylether				
Hexachlorobenzene				
Pentachlorophenol	67		69	
Phenanthrene				
Anthracene				
Carbazole		UJ		UJ
Di-n-butylphthalate				
Fluoranthene				
Pyrene	47		43	
Butylbenzylphthalate				
3,3'-Dichlorobenzidine		UJ		UJ
Benzo(a)anthracene				
Chrysene				
bis(2-ethylhexyl)phthalate				
Di-n-octyl phthalate				
Benzo(b)flouranthene				
Benzo(k)flouranthene				
Benzo(a)pyrene				
Indeno(1,2,3-cd)pyrene				
Dibenz(a,h)anthracene				
Benzo(g,h,i)perylene				

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOIL - DATA SUMMARY

CASE NO. 9300.559

All results reported in ug/L

Tentatively Identified Compounds	DR-3	Q	MW-2D(N)	Q	MW-3D	Q	MW-6D	Q	MW-6S	Q	MW-6SDUP	Q	MW-8SR	Q
Pharmaceutical Sulfur	6	NJ	6	NJ	2	NJ	7	NJ						
Molecular Sulfur	300	NJ	480	NJ	100	NJ	900	NJ						
Hexathiepane			3	NJ										
Fluorophenol Isomer														
Aldol Condensation Product														
Xylene Isomer														
Unknown Carboxylic Acid	8	NJ	8	NJ	2	NJ	10	NJ						
Unknown Carboxylic Acid			12	NJ	2	NJ								
Unknown Cyclosulfur			2	NJ										
Unknown Hydrocarbon													3	NJ
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Hydrocarbon														
Unknown Acid														
Unknown Acid														
Unknown	8	NJ	4	NJ			2	NJ	4	NJ	4	NJ		
Unknown	8	NJ	8	NJ					4	NJ	3	NJ		
Unknown	8	NJ	22	NJ					10	NJ	10	NJ		
Unknown	5	NJ	8	NJ					4	NJ	4	NJ		
Unknown	28	NJ							14	NJ	14	NJ		
Unknown	14	NJ							6	NJ	6	NJ		
Unknown	11	NJ							4	NJ	4	NJ		
Unknown	10	NJ							2	NJ	2	NJ		
Unknown	16	NJ							4	NJ	4	NJ		
Unknown	20	NJ							4	NJ	4	NJ		

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Tentatively Identified Compounds	DR-3	Q	MW-2D(N)	Q	MW-3D	Q	MW-6D	Q	MW-6S	Q	MW-6SDUP	Q	MW-8SR	Q
Unknown	12	NJ							2	NJ	6	NJ		
Unknown	11	NJ							2	NJ	2	NJ		
Unknown	20	NJ							6	NJ	2	NJ		
Unknown	22	NJ							6	NJ	6	NJ		
Unknown	24	NJ							7	NJ	6	NJ		
Unknown	20	NJ							2	NJ	12	NJ		
Unknown	38	NJ							3	NJ	2	NJ		
Unknown									10	NJ	2	NJ		
Unknown									6	NJ	10	NJ		
Unknown									2	NJ	5	NJ		

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Tentatively Identified Compounds	MW-9DR	Q	MW-10DR	Q	MW-10SR	Q	MW-DR-2	Q	MW-RIN-9DR	Q	SBLKW1	Q	SBLKW2	Q	SBLKW3	Q
Pharmaceutical Sulfur																
Molecular Sulfur	2200	NJ			60	NJ	2	NJ								
Hexathiepane																
Fluorophenol Isomer	5	NJ														
Aldol Condensation Product					5	NJ										
Xylene Isomer					3	NJ										
Unknown Carboxylic Acid																
Unknown Carboxylic Acid																
Unknown Cyclosulfur																
Unknown Hydrocarbon	140	NJ	100	NJ	2	NJ	2	NJ								
Unknown Hydrocarbon	4	NJ			4	NJ	2	NJ								
Unknown Hydrocarbon	11	NJ			6	NJ										
Unknown Hydrocarbon	17	NJ			8	NJ										
Unknown Hydrocarbon	20	NJ			6	NJ										
Unknown Hydrocarbon	20	NJ			2	NJ										
Unknown Hydrocarbon	18	NJ														
Unknown Hydrocarbon	14	NJ														
Unknown Hydrocarbon	7	NJ														
Unknown Hydrocarbon	4	NJ														
Unknown Acid	6	NJ					4	NJ								
Unknown Acid	6	NJ					8	NJ								
Unknown	4	NJ	2	NJ	4	NJ	2	NJ	4	NJ					3	NJ
Unknown	4	NJ	6	NJ	4	NJ	8	NJ	3	NJ					2	NJ
Unknown	4	NJ	3	NJ	10	NJ	4	NJ	140	NJ						
Unknown	4	NJ	26	NJ	32	NJ	4	NJ								
Unknown	4	NJ	9	NJ			10	NJ								
Unknown			14	NJ			10	NJ								
Unknown			10	NJ			3	NJ								
Unknown			3	NJ			6	NJ								
Unknown			190	NJ			2	NJ								
Unknown			220	NJ												

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Tentatively Identified Compounds	MW-9DR	Q	MW-10DR	Q	MW-10SR	Q	MW-DR-2	Q	MW-RIN-9DR	Q	SBLKW1	Q	SBLKW2	Q	SBLKW3	Q
Unknown			240	NJ												
Unknown			220	NJ												
Unknown			200	NJ												
Unknown			180	NJ												
Unknown																
Unknown																
Unknown																
Unknown																
Unknown																
Unknown																

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.706

All results reported in ug/L

Parameters - SemiVolatiles	MH-3	Q	MH-4	Q	MW-5D	Q	SBLKW1	Q	SBLKW2	Q	MSB	Q	MW-5DMS	Q	MW-5DMSD	Q
Phenol	3	J									61		40		31	
bis (2-chloroethyl) ether																
2-Chlorophenol											62		43		39	
1,3-Dichlorobenzene																
1,4-Dichlorobenzene	6	J	3	J							47		34		28	
1,2-Dichlorobenzene																
2-Methylphenol																
2,2'-oxybis(1-Chloropropane)		UJ					UJ									
4-methylphenol	9	J														
N-Nitroso-di-n-propylamine		UJ					UJ				49		37		30	
Hexachloroethane																
Nitrobenzene																
Isophorone																
2-Nitrophenol																
2,4-Dimethylphenol																
bis(2-chloroethoxy)methane																
2,4-Dichlorophenol																
1,2,4-Trichlorobenzene											43		33		28	
Naphthalene																
4-chloroaniline		UJ					UJ									
Hexachlorobutadiene																
4-chloro-3-methylphenol											56		47		41	
2-methylnaphthalene																
Hexachlorocyclopentadiene																
2,4,6-Trichlorophenol																
2,4,5-Trichlorophenol																
2-Chloronaphthalene																
2-Nitroaniline		UJ					UJ									
Dimethylphthalate																
Acenaphthylene																
2,6-Dinitrotoluene																
3-Nitroaniline		UJ		UJ		UJ		UJ		UJ	UJ		UJ		UJ	
Acenaphthene											40		33		30	

DEARCOP FARM SITE

SEMI-VOLATILES/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.706

All results reported in ug/L

Parameters - SemiVolatiles	MH-3	Q	MH-4	Q	MW-5D	Q	SBLKW1	Q	SBLKW2	Q	MSB	Q	MW-5DMS	Q	MW-5DMSD	Q
2,4-Dinitrophenol		UJ						UJ								
4-Nitrophenol		UJ						UJ			54		44		43	
Dibenzofuran																
2,4-Dinitrotoluene											41		37		36	
Diethylphthalate	29															
4-chlorophenyl-phenylether																
Fluorene																
4-Nitroaniline			UJ		UJ				UJ		UJ		UJ		UJ	
4,6-Dinitro-2-methylphenol																
N-Nitrosodiphenylamine																
4-Bromophenyl-phenylether																
Hexachlorobenzene																
Pentachlorophenol		UJ						UJ			57		41		37	
Phenanthrene																
Anthracene																
Carbazole																
Di-n-butylphthalate																
Fluoranthene																
Pyrene		UJ						UJ			45		28		26	
Butylbenzylphthalate	1	J														
3,3'-Dichlorobenzidine		UJ	UJ		UJ				UJ		UJ		UJ		UJ	
Benzo(a)anthracene		UJ														
Chrysene		UJ														
bis(2-ethylhexyl)phthalate	10	U			10	U			1	J			10	U	10	U
Di-n-octyl phthalate		UJ														
Benzo(b)fluoranthene		UJ														
Benzo(k)fluoranthene		UJ														
Benzo(a)pyrene		UJ														
Indeno(1,2,3-cd)pyrene		UJ														
Dibenz(a,h)anthracene		UJ														
Benzo(g,h,i)perylene		UJ														

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.706

All results reported in ug/L

Tentatively Identified Compounds	MH-3	Q	MH-4	Q	MW-5D	Q	SBLKW1	Q	SBLKW2	Q
Benzyl Alcohol	12	NJ								
Phenethyl Alcohol	12	NJ								
Benzoic Acid	14	NJ								
Molecular Sulfur	12	NJ	8	NJ	320	NJ				
Terpene Isomer			13	NJ						
Caffeine			20	NJ						
Pharmaceutical Sulfur					4	NJ				
Sulfur (S7)					10	NJ				
Unknown Carboxylic Acid	13	NJ	8	NJ	2	NJ				
Unknown Carboxylic Acid	10	NJ	14	NJ						
Unknown Carboxylic Acid	36	NJ	4	NJ						
Unknown Carboxylic Acid	20	NJ	140	NJ						
Unknown Carboxylic Acid	90	NJ	7	NJ						
Unknown Carboxylic Acid	220	NJ	190	NJ						
Unknown Carboxylic Acid	160	NJ								
Unknown Oxy. Hydrocarbon	16	NJ								
Unknown Oxy. Hydrocarbon	22	NJ								
Unknown Oxy. Hydrocarbon	70	NJ								
Unknown Oxy. Hydrocarbon	26	NJ								
Unknown Hydrocarbon	12	NJ	4	NJ	6	NJ				
Unknown Hydrocarbon	18	NJ			14	NJ				
Unknown Hydrocarbon	60	NJ			20	NJ				
Unknown Hydrocarbon					28	NJ				
Unknown Hydrocarbon					20	NJ				
Unknown Hydrocarbon					12	NJ				
Unknown Hydrocarbon					7	NJ				
Unknown Hydrocarbon					3	NJ				

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.706

All results reported in ug/L

Tentatively Identified Compounds	MH-3	Q	MH-4	Q	MW-5D	Q	SBLKW1	Q	SBLKW2	Q
Unknown	10	NJ	6	NJ	20	NJ	3	NJ		
Unknown	37	NJ	22	NJ			6	NJ		
Unknown			110	NJ						
Unknown			90	NJ						
Unknown			8	NJ						
Unknown			70	NJ						
Unknown			17	NJ						
Unknown			60	NJ						
Unknown			16	NJ						
Unknown			14	NJ						

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.871

All results reported in ug/L

Parameters - SemiVolatiles	DR-1	Q	SBLKW1	Q	MSB	Q	DR-1MS	Q	DR-1MSD	Q
Phenol					54		120		110	
bis (2-chloroethyl) ether										
2-Chlorophenol					64		120		110	
1,3-Dichlorobenzene										
1,4-Dichlorobenzene					39		72		74	
1,2-Dichlorobenzene										
2-Methylphenol										
2,2'-oxybis(1-Chloropropane)										
4-methylphenol										
N-Nitroso-di-n-propylamine					47		87		83	
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
bis(2-chloroethoxy)methane										
2,4-Dichlorophenol										
1,2,4-Trichlorobenzene					46		83		82	
Naphthalene										
4-chloroaniline										
Hexachlorobutadiene										
4-chloro-3-methylphenol					68		120		130	
2-methylnaphthalene										
Hexachlorocyclopentadiene										
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethylphthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline										
Acenaphthene					46		89		84	

DEARCOP FARM SITE

SEMI-VOLATILES/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.871

All results reported in ug/L

Parameters - SemiVolatiles	DR-1	Q	SBLKW1	Q	MSB	Q	DR-1MS	Q	DR-1MSD	Q
2,4-Dinitrophenol										
4-Nitrophenol					65		96		96	
Dibenzofuran										
2,4-Dinitrotoluene					50		100		97	
Diethylphthalate										
4-chlorophenyl-phenylether										
Fluorene										
4-Nitroaniline										
4,6-Dinitro-2-methylphenol										
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
Pentachlorophenol					59		110		110	
Phenanthrene										
Anthracene										
Carbazole										
Di-n-butylphthalate										
Fluoranthene										
Pyrene					48		88		87	
Butylbenzylphthalate										
3,3'-Dichlorobenzidine										
Benzo(a)anthracene										
Chrysene										
bis(2-ethylhexyl)phthalate										
Di-n-octyl phthalate		UJ		UJ		UJ		UJ		UJ
Benzo(b)fluoranthene										
Benzo(k)fluoranthene										
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene										
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene										
Pyridine							N.A.		N.A.	
4-Fluoroaniline							N.A.		N.A.	

DEARCOP FARM SITE

TENTATIVELY IDENTIFIED COMPOUNDS
SEMI-VOLATILES/WATER - DATA SUMMARY

CASE NO. 9300.871

All results reported in ug/L

Tentatively Identified Compounds	DR-1	Q	SBLKW1	Q
Unknown	4	NJ		
Unknown	2	NJ		
Unknown	40	NJ		
Unknown	2	NJ		
Unknown	5	NJ		
Unknown	10	NJ		
Unknown	35	NJ		
Unknown	47	NJ		
Unknown	55	NJ		
Unknown	65	NJ		
Unknown	60	NJ		
Unknown	50	NJ		
Unknown	22	NJ		

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9300.005

All results reported in ug/Kg

Parameters-Pesticides/PCBs	BH-102D	Q	BH-105D	Q	BH-14V	Q	BH-15V	Q	BH-181D	Q	BH-205D	Q	BH-206D	Q	BH-21V	Q
alpha-BHC													UJ	R		
beta-BHC													R	R		
delta-BHC													R	R		
gamma-BHC(Lindane)		UJ		UJ		UJ		UJ		UJ		UJ		R		UJ
Heptachlor		UJ		UJ		UJ		UJ		UJ		UJ		R		UJ
Aldrin		UJ		UJ		UJ		UJ		UJ		UJ		R		UJ
Heptachlor Epoxide														R		
Endosulfan I														R		
Dieldrin		UJ		UJ		UJ		UJ		UJ		UJ		R		UJ
4,4'-DDE														R		
Endrin		RWJ		RWJ		RWJ		RWJ		RWJ		RWJ		R		RWJ
Endosulfan II														R		
4,4'-DDD														R		
Endosulfan Sulfate														R		
4,4'-DDT		UJ		UJ		UJ		UJ		UJ		UJ		R		UJ
Methoxychlor														R		
Endrin Ketone		UJ		UJ		UJ		UJ		UJ		UJ		R		UJ
Endrin Aldehyde														R		
alpha-chlordane														R		
gamma-chlordane														R		
Toxaphene														R		
Aroclor-1016														R		
Aroclor-1221														R		
Aroclor-1232														R		
Aroclor-1242														R		
Aroclor-1248														R		
Aroclor-1254														R		
Aroclor-1260														R		

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters-Pesticides/PCBs	BH-32V	Q	BH-32VDUP	Q	BH-33V	Q	BH-5V	Q	BH-93	Q	MW-4S	Q	MW-8S	Q
alpha-BHC														
beta-BHC														
delta-BHC														
gamma-BHC(Lindane)		UJ		UJ		UJ		UJ						UJ
Heptachlor		UJ		UJ		UJ		UJ						UJ
Aldrin		UJ		UJ		UJ		UJ						UJ
Heptachlor Epoxide														
Endosulfan I														
Dieldrin		UJ		UJ		UJ		UJ						UJ
4,4'-DDE														
Endrin		~~RUJ~~		~~RUJ~~		~~RUJ~~		~~RUJ~~						~~UJA~~
Endosulfan II														
4,4'-DDD														
Endosulfan Sulfate														
4,4'-DDT		UJ		UJ		UJ		UJ						UJ
Methoxychlor														
Endrin Ketone		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Aldehyde														
alpha-chlordane														
gamma-chlordane														
Toxaphene														
Aroclor-1016														
Aroclor-1221														
Aroclor-1232														
Aroclor-1242														
Aroclor-1248														
Aroclor-1254														
Aroclor-1260														

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005

All results reported in ug/Kg

Parameters-Pesticides/PCBs	PBLKS1	Q	PBLKS4	Q	PBLKS5	Q	PBLKS6	Q	BH-102DMS	Q	BH-102DMSD	Q	MSB1	Q
alpha-BHC														
beta-BHC														
delta-BHC														
gamma-BHC(Lindane)			UJ		UJ		UJ		14 J		16 J		12 J	
Heptachlor			UJ		UJ		UJ		15 J		16 J		13 J	
Aldrin			UJ		UJ		UJ		13 J		15 J		12 J	
Heptachlor Epoxide														
Endosulfan I														
Dieldrin			UJ		UJ		UJ		28 J		32 J		24 J	
4,4'-DDE														
Endrin		UJ	R/LJ		R/LJ		R/LJ		28 J		32 J		24 J	
Endosulfan II														
4,4'-DDD														
Endosulfan Sulfate														
4,4'-DDT			UJ		UJ		UJ		29 J		33 J		25 J	
Methoxychlor														
Endrin Ketone		UJ	UJ		UJ		UJ		UJ		UJ		UJ	
Endrin Aldehyde														
alpha-chlordane														
gamma-chlordane														
Toxaphene														
Aroclor-1016														
Aroclor-1221														
Aroclor-1232														
Aroclor-1242														
Aroclor-1248														
Aroclor-1254														
Aroclor-1260														

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9300.005

All results reported in ug/L

Parameters-Pesticides/PCBs	BH-R-1-5	Q	MSB2	Q	PBLKW1	Q
alpha-BHC						
beta-BHC						
delta-BHC						
gamma-BHC(Lindane)			0.46			
Heptachlor			0.40			
Aldrin			0.35			
Heptachlor Epoxide						
Endosulfan I						
Dieldrin			0.89			
4,4'-DDE						
Endrin			0.82			
Endosulfan II						
4,4'-DDD						
Endosulfan Sulfate						
4,4'-DDT			0.95			
Methoxychlor						
Endrin Ketone		UJ		UJ		
Endrin Aldehyde						
alpha-chlordane						
gamma-chlordane						
Toxaphene						
Aroclor-1016						
Aroclor-1221						
Aroclor-1232						
Aroclor-1242						
Aroclor-1248						
Aroclor-1254						
Aroclor-1260						

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9203.138

All results reported in ug/Kg

Parameters-Pesticides/PCBs	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3AD	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
beta-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
delta-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
gamma-BHC(Lindane)		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Heptachlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Aldrin				UJ												UJ
Heptachlor Epoxide				UJ							34	J				UJ
Endosulfan I				UJ												UJ
Dieldrin		UJ		UJ	4.7	J		UJ		UJ	68	J		UJ		UJ
4,4'-DDE		UJ		UJ		UJ		UJ		UJ	19	J		UJ		UJ
Endrin		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endosulfan II				UJ												UJ
4,4'-DDD		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endosulfan Sulfate	16	J		UJ		UJ		UJ		UJ		UJ		UJ		UJ
4,4'-DDT		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Methoxychlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Ketone	21	J		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Aldehyde		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
alpha-chlordane	5.7	J		UJ	2.8	J	2.9	J			86	J				UJ
gamma-chlordane				UJ							37					UJ
Toxaphene				UJ												UJ
Aroclor-1016				UJ												UJ
Aroclor-1221				UJ												UJ
Aroclor-1232				UJ												UJ
Aroclor-1242				UJ												UJ
Aroclor-1248				UJ												UJ
Aroclor-1254				UJ					67				370		580	JC
Aroclor-1260				UJ									97	J		UJ

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters-Pesticides/PCBs	TP-3ADRE	Q	TP-3B	Q	TP-3BRE	Q	TP-4A	Q	TP-4B	Q	TP-4BRE	Q	TP-5A	Q	TP-5B	Q
alpha-BHC		UJ		R		UJ		UJ		R		UJ		UJ		UJ
beta-BHC		UJ		R		UJ		UJ		R		UJ		UJ		UJ
delta-BHC		UJ		R		UJ		UJ		R		UJ		UJ		UJ
gamma-BHC(Lindane)		UJ		R		UJ		UJ		R		UJ		UJ		UJ
Heptachlor		UJ		R		UJ		UJ		R		UJ				
Aldrin		UJ		R		UJ				R		UJ				
Heptachlor Epoxide		UJ		R		UJ				R		UJ				
Endosulfan I		UJ		R		UJ				R		UJ				
Dieldrin		UJ		R		UJ		UJ		R		UJ		UJ		UJ
4,4'-DDE		UJ		R		UJ		UJ		R		UJ		UJ		UJ
Endrin		UJ		R		UJ		UJ		R		UJ		UJ		UJ
Endosulfan II		UJ		R		UJ				R		UJ				
4,4'-DDD		UJ		R		UJ		UJ		R		UJ		UJ		UJ
Endosulfan Sulfate		UJ		R		UJ				R		UJ				
4,4'-DDT		UJ		R		UJ		UJ		R		UJ		UJ		UJ
Methoxychlor		UJ		R		UJ		UJ		R		UJ		UJ		UJ
Endrin Ketone		UJ		R		UJ		UJ		R		UJ				
Endrin Aldehyde		UJ		R		UJ		UJ		R		UJ				
alpha-chlordane		UJ		R		UJ				R		UJ				
gamma-chlordane		UJ		R		UJ				R		UJ				
Toxaphene		UJ		R		UJ				R		UJ				
Aroclor-1016		UJ		R		UJ				R		UJ				
Aroclor-1221		UJ		R		UJ				R		UJ				
Aroclor-1232		UJ		R		UJ				R		UJ				
Aroclor-1242		UJ		R		UJ				R		UJ				
Aroclor-1248		UJ		R		UJ				R		UJ	2500	JC	200000	C
Aroclor-1254		390	JC	R		23	J	33	J	R		UJ	3300	JC		
Aroclor-1260		UJ		R		UJ				R		UJ	4200	JC		

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters-Pesticides/PCBs	TP-5BDL	Q	TP-5C	Q	TP-6A	Q	TP-6ADL	Q	TP-6B	Q	TP-7A	Q	TP-7ARE	Q	TP-7B	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ	R	UJ		UJ		UJ
beta-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
delta-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
gamma-BHC(Lindane)		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Heptachlor		UJ			180	J				UJ		UJ		UJ		UJ
Aldrin												UJ		UJ		
Heptachlor Epoxide					870		480	J	P			UJ		UJ		
Endosulfan I												UJ		UJ		
Dieldrin		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
4,4'-DDE		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin		UJ		UJ	200	J		UJ		UJ		UJ		UJ		UJ
Endosulfan II												UJ		UJ		
4,4'-DDD		UJ		UJ		UJ		UJ		UJ		UJ		UJ	41	J
Endosulfan Sulfate												UJ		UJ	10	J
4,4'-DDT		UJ		UJ		UJ		UJ	20	J		UJ		UJ		UJ
Methoxychlor		UJ		UJ	1400	J		UJ		UJ		UJ		UJ		UJ
Endrin Ketone		UJ								UJ		UJ		UJ		UJ
Endrin Aldehyde		UJ								UJ		UJ		UJ		UJ
alpha-chlordane												UJ		UJ		
gamma-chlordane					170	J						UJ		UJ		
Toxaphene												UJ		UJ		
Aroclor-1016												UJ		UJ		
Aroclor-1221												UJ		UJ		
Aroclor-1232												UJ		UJ		
Aroclor-1242												UJ		UJ		
Aroclor-1248	230000	CD	1500	C								UJ		UJ		
Aroclor-1254									86	J	210	J	380	J	660	J
Aroclor-1260												UJ		UJ	530	

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters-Pesticides/PCBs	PBLKS1	Q	PBLKS2	Q	PBLKS3	Q	PBLKS4	Q	PBLKS5	Q	PBLKS6	Q	PBLKS7	Q	PBLKS8	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
beta-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
delta-BHC				UJ						UJ				UJ		UJ
gamma-BHC(Lindane)		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Heptachlor				UJ						UJ				UJ		UJ
Aldrin				UJ						UJ				UJ		UJ
Heptachlor Epoxide				UJ						UJ				UJ		UJ
Endosulfan I				UJ						UJ				UJ		UJ
Dieldrin				UJ						UJ				UJ		UJ
4,4'-DDE				UJ						UJ				UJ		UJ
Endrin		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endosulfan II				UJ						UJ				UJ		UJ
4,4'-DDD				UJ						UJ				UJ		UJ
Endosulfan Sulfate				UJ						UJ				UJ		UJ
4,4'-DDT		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Methoxychlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Ketone				UJ						UJ				UJ		UJ
Endrin Aldehyde				UJ						UJ				UJ		UJ
alpha-chlordane				UJ						UJ				UJ		UJ
gamma-chlordane				UJ						UJ				UJ		UJ
Toxaphene				UJ						UJ				UJ		UJ
Aroclor-1016				UJ						UJ				UJ		UJ
Aroclor-1221				UJ						UJ				UJ		UJ
Aroclor-1232				UJ						UJ				UJ		UJ
Aroclor-1242				UJ						UJ				UJ		UJ
Aroclor-1248				UJ						UJ				UJ		UJ
Aroclor-1254				UJ						UJ				UJ		UJ
Aroclor-1260				UJ						UJ				UJ		UJ

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in ug/Kg

Parameters-Pesticides/PCBs	PBLKS9	Q	MSB3	Q	SED-1MS	Q	SED-1MSD	Q
alpha-BHC						UJ		~~UJ~~
beta-BHC		UJ		UJ		UJ		UJ
delta-BHC		~~UJ~~		~~UJ~~		UJ		~~UJ~~
gamma-BHC(Lindane)			14		18 J		23 J	
Heptachlor		~~UJ~~	15 J		18 J		25 J	
Aldrin			13		15 J		22 J	
Heptachlor Epoxide					4.7 J			
Endosulfan I						UJ		
Dieldrin			28		43 J		54 J	
4,4'-DDE						UJ		UJ
Endrin		UJ	30 J		36 J		51 J	
Endosulfan II						UJ		
4,4'-DDD		~~UJ~~		~~UJ~~		UJ		~~UJ~~
Endosulfan Sulfate		~~UJ~~		~~UJ~~		UJ	7.4 J	
4,4'-DDT		UJ	36 J		40 J		56 J	
Methoxychlor		UJ		UJ		UJ		UJ
Endrin Ketone		~~UJ~~		~~UJ~~		UJ	13 J	
Endrin Aldehyde						UJ		~~UJ~~
alpha-chlordane						UJ		
gamma-chlordane						UJ		
Toxaphene						UJ		
Aroclor-1016						UJ		
Aroclor-1221						UJ		
Aroclor-1232						UJ		
Aroclor-1242						UJ		
Aroclor-1248						UJ		
Aroclor-1254						UJ		
Aroclor-1260						UJ		

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9300.238
SDG NO. MW-1D

All results reported in ug/Kg

Parameters-Pesticides/PCBs	MW-1D	Q	MW-1DD	Q	PBLKS1	Q	MW-1DMS	Q	MW-10MSD	Q	MSB1	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ		UJ
beta-BHC												
delta-BHC												
gamma-BHC(Lindane)							27		41 J		42 J	
Heptachlor							25		39 J		39 J	
Aldrin							25		40 J		41 J	
Heptachlor Epoxide												
Endosulfan I												
Dieldrin							47		74 J		74 J	
4,4'-DDE												
Endrin							50		78 J		72 J	
Endosulfan II												
4,4'-DDD												
Endosulfan Sulfate												
4,4'-DDT							51		77 J		67 J	
Methoxychlor												
Endrin Ketone											3.3 J	
Endrin Aldehyde												
alpha-chlordane												
gamma-chlordane												
Toxaphene												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/Kg

Parameters-Pesticides/PCBs	MW2D	Q	SED-4	Q	SED-5	Q	SED-6	Q	PBLKS3	Q	PBLKS1	Q	MW2DMS	Q	MW2DMSD	Q	MSB2	Q
alpha-BHC				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
beta-BHC				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
delta-BHC		UJ		UJ		UJ		UJ		~~UJ~~		~~UJ~~		UJ		UJ		
gamma-BHC(Lindane)		UJ		UJ		UJ		UJ		~~UJ~~		~~UJ~~	15	J	19	J		UJ
Heptachlor		UJ		UJ		UJ		UJ		~~UJ~~		~~UJ~~	16	J	20	J		UJ
Aldrin				UJ		UJ		UJ		~~UJ~~		~~UJ~~	15		18			
Heptachlor Epoxide				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Endosulfan I				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Dieldrin				UJ		UJ		UJ		~~UJ~~		~~UJ~~	31		37			
4,4'-DDE				UJ		UJ	7.0	J		~~UJ~~		~~UJ~~						
Endrin		UJ		UJ		UJ		UJ		~~UJ~~		~~UJ~~	32	J	38	J		UJ
Endosulfan II				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
4,4'-DDD		UJ		UJ		UJ		UJ		~~UJ~~		~~UJ~~		UJ		UJ		
Endosulfan Sulfate		UJ		UJ		UJ		UJ		~~UJ~~		~~UJ~~		UJ		UJ		
4,4'-DDT		~~UJ~~		UJ		UJ		UJ		~~UJ~~		~~UJ~~	40	J	48	J		~~UJ~~
Methoxychlor		UJ		UJ		UJ		UJ		~~UJ~~		~~UJ~~		UJ		UJ		~~UJ~~
Endrin Ketone		UJ		UJ		UJ		UJ		~~UJ~~		~~UJ~~		UJ	3.8	J		
Endrin Aldehyde				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
alpha-chlordane				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
gamma-chlordane				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Toxaphene				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Aroclor-1016				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Aroclor-1221				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Aroclor-1232				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Aroclor-1242				UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Aroclor-1248	43			UJ		UJ		UJ		~~UJ~~		~~UJ~~						
Aroclor-1254			72	J	110	J	94	J		~~UJ~~		~~UJ~~						
Aroclor-1260				UJ		UJ		UJ		~~UJ~~		~~UJ~~						

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DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9203.240

All results reported in ug/Kg

Parameters-Pesticides/PCBs	MW-3D	Q	MW-5D	Q	MW-9S	Q	PBLKS1	Q	PBLKS2	Q	PBLKS3	Q	MW-3DMS	Q	MW-3DMSD	Q	MSB3	Q
alpha-BHC														UJ				
beta-BHC														UJ				
delta-BHC														UJ				
gamma-BHC(Lindane)		UJ						UJ					13 J		15 J		12	
Heptachlor													12 J		16		12	
Aldrin													12 J		15 J		12 J	
Heptachlor Epoxide													UJ					
Endosulfan I													UJ					
Dieldrin													25 J		30		24	
4,4'-DDE													6.1 J		5.5			
Endrin		UJ						UJ					29 J		35 J		24	
Endosulfan II													UJ					
4,4'-DDD													6.1 J					
Endosulfan Sulfate													UJ					
4,4'-DDT													41 J		35 J		26	
Methoxychlor													UJ					
Endrin Ketone													UJ					
Endrin Aldehyde													UJ					
alpha-chlordane													UJ					
gamma-chlordane													UJ					
Toxaphene													UJ					
Aroclor-1016													UJ					
Aroclor-1221													UJ					
Aroclor-1232													UJ					
Aroclor-1242													UJ					
Aroclor-1248													UJ					
Aroclor-1254		16 J											32 J		47 J			
Aroclor-1260													UJ					

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DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9300.133

All results reported in ug/Kg

Parameters-Pesticides/PCBs	MW10D	Q	PBLKS1	Q	MW10DMS	Q	MW10DMSD	Q	MSB1	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ
beta-BHC										
delta-BHC										
gamma-BHC(Lindane)					22	J	25	J	17	
Heptachlor					22		25	J	17	
Aldrin					20	J	23	J	16	
Heptachlor Epoxide										
Endosulfan I										
Dieldrin		UJ		UJ	42	J	48	J	33	J
4,4'-DDE										
Endrin		UJ		UJ	43	J	46	J	34	J
Endosulfan II										
4,4'-DDD		UJ		UJ	1.9	J		UJ		UJ
Endosulfan Sulfate										
4,4'-DDT					42		47		25	J
Methoxychlor		UJ		UJ		UJ		UJ		UJ
Endrin Ketone		UJ		UJ		UJ	3.9	XJ		UJ
Endrin Aldehyde		UJ		UJ		UJ		UJ		UJ
alpha-chlordane										
gamma-chlordane										
Toxaphene										
Aroclor-1016										
Aroclor-1221										
Aroclor-1232										
Aroclor-1242										
Aroclor-1248										
Aroclor-1254										
Aroclor-1260										

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9202.923

All results reported in ug/Kg

Parameters-Pesticides/PCBs	TP-1A	Q	TP-1B	Q	TP-2A	Q	TP-2ADL	Q	TP-2AD	Q	TP-2ADDL	Q	TP-2B	Q
alpha-BHC					100	R				UJ		UJ		
beta-BHC		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~	180	~~J~~		~~UJ~~		~~UJ~~
delta-BHC		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~
gamma-BHC(Lindane)	4.7	R			310	JM	250	RJ	250	JM		UJ	12	RJ
Heptachlor					93	RJ			22	R		UJ		
Aldrin										UJ		UJ		
Heptachlor Epoxide										UJ		UJ		
Endosulfan I					150	J			97	J		UJ		
Dieldrin					39	R				UJ		UJ		
4,4'-DDE										UJ		UJ		
Endrin									48	JM		UJ		
Endosulfan II										UJ		UJ		
4,4'-DDD										UJ		UJ		
Endosulfan Sulfate										UJ		UJ		
4,4'-DDT										UJ		UJ		
Methoxychlor		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~
Endrin Ketone										UJ		UJ		
Endrin Aldehyde										UJ		UJ		
alpha-chlordane					69	J			28	J		UJ		
gamma-chlordane					100	J			37	JM		UJ		
Toxaphene										UJ		UJ		
Aroclor-1016										UJ		UJ		
Aroclor-1221										UJ		UJ		
Aroclor-1232										UJ		UJ		
Aroclor-1242										UJ		UJ		
Aroclor-1248										UJ		UJ		
Aroclor-1254	71									UJ		UJ		
Aroclor-1260	35	JM								UJ		UJ		

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9202.923

All results reported in ug/Kg

Parameters-Pesticides/PCBs	TP-2C	Q	PBLKS1	Q	PBLKS2	Q	PIBLK01	Q	PIBLK02	Q	PIBLK03	Q	PIBLK04	Q
alpha-BHC														
beta-BHC		UJ		UJ		UJ								UJ
delta-BHC		UJ		UJ		UJ								UJ
gamma-BHC(Lindane)														
Heptachlor														
Aldrin														
Heptachlor Epoxide														
Endosulfan I														
Dieldrin														
4,4'-DDE														
Endrin														
Endosulfan II														
4,4'-DDD														
Endosulfan Sulfate														
4,4'-DDT														
Methoxychlor		UJ		UJ		UJ								UJ
Endrin Ketone														
Endrin Aldehyde														
alpha-chlordane														
gamma-chlordane														
Toxaphene														
Aroclor-1016														
Aroclor-1221														
Aroclor-1232														
Aroclor-1242														
Aroclor-1248														
Aroclor-1254														
Aroclor-1260														

DEARCOP FARM SITE
PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9202.923

All results reported in ug/Kg

Parameters-Pesticides/PCBs	PIBLK05	Q	PIBLK06	Q	TP-2BMS	Q	TP-2BMSD	Q
alpha-BHC						UJ		UJ
beta-BHC				UJ		UJ		UJ
delta-BHC				UJ		UJ		UJ
gamma-BHC(Lindane)					18	J	18	J
Heptachlor					19	J	18	J
Aldrin					16	J	17	J
Heptachlor Epoxide						UJ		UJ
Endosulfan I						UJ		UJ
Dieldrin					31	J	33	J
4,4'-DDE						UJ		UJ
Endrin					31	J	35	J
Endosulfan II						UJ		UJ
4,4'-DDD						UJ		UJ
Endosulfan Sulfate						UJ		UJ
4,4'-DDT					31	J	35	J
Methoxychlor				UJ		UJ		UJ
Endrin Ketone						UJ		UJ
Endrin Aldehyde						UJ		UJ
alpha-chlordane						UJ		UJ
gamma-chlordane						UJ		UJ
Toxaphene						UJ		UJ
Aroclor-1016						UJ		UJ
Aroclor-1221						UJ		UJ
Aroclor-1232						UJ		UJ
Aroclor-1242						UJ		UJ
Aroclor-1248						UJ		UJ
Aroclor-1254						UJ		UJ
Aroclor-1260						UJ		UJ

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9203.112

All results reported in ug/Kg

Parameters-Pesticides/PCBs	SS-1	Q	SS-2	Q	SS-3	Q	SS-4	Q	SS-5	Q	SS-6	Q	SS-7	Q	SS-7D	Q	SS-8	Q
alpha-BHC													UJ					
beta-BHC													UJ		UJ		UJ	
delta-BHC													UJ					
gamma-BHC(Lindane)													UJ					
Heptachlor													UJ					
Aldrin													UJ					
Heptachlor Epoxide													UJ					
Endosulfan I													UJ					
Dieldrin													UJ					
4,4'-DDE													UJ					
Endrin													UJ					
Endosulfan II													UJ					
4,4'-DDD													UJ					
Endosulfan Sulfate													UJ					
4,4'-DDT													UJ					
Methoxychlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Ketone													UJ					
Endrin Aldehyde													UJ					
alpha-chlordane					19	J							UJ					
gamma-chlordane													UJ					
Toxaphene													UJ					
Aroclor-1016													UJ					
Aroclor-1221													UJ					
Aroclor-1232													UJ					
Aroclor-1242													UJ					
Aroclor-1248													UJ					
Aroclor-1254							76		310		66		UJ			31	J	
Aroclor-1260							72		550		55		UJ			26	J	

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.112

All results reported in ug/Kg

Parameters-Pesticides/PCBs	SS-9	Q	SS-10	Q	SS-11	Q	SS-12	Q	SS-13	Q	SS-13D	Q	SS-14	Q	SS-15	Q	SS-16	Q	SS-17	Q
alpha-BHC							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
beta-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
delta-BHC							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
gamma-BHC(Lindane)							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
Heptachlor															UJ					
Aldrin							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
Heptachlor Epoxide															UJ					
Endosulfan I															UJ					
Dieldrin							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
4,4'-DDE							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
Endrin															UJ					
Endosulfan II							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
4,4'-DDD							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
Endosulfan Sulfate															UJ					
4,4'-DDT							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
Methoxychlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Ketone							UJ		UJ		UJ		UJ		UJ		UJ		UJ	
Endrin Aldehyde															UJ					
alpha-chlordane															UJ					
gamma-chlordane															UJ					
Toxaphene															UJ					
Aroclor-1016															UJ					
Aroclor-1221															UJ					
Aroclor-1232															UJ					
Aroclor-1242															UJ					
Aroclor-1248															UJ					
Aroclor-1254	180		86				53		1000		2100	J	110		76	J			290	
Aroclor-1260	160		64				68		690		1200	J	120		91	J			140	J

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.112

All results reported in ug/Kg

Parameters-Pesticides/PCBs	SS-18	Q	PBLKS1	Q	PBLKS2	Q	PBLKS3	Q	PBLKS4	Q	MSB1	Q	SS-14MS	Q	SS-14MSD	Q
alpha-BHC		UJ								UJ				UJ		UJ
beta-BHC		UJ								UJ				UJ		UJ
delta-BHC		UJ								UJ				UJ		UJ
gamma-BHC(Lindane)		UJ								UJ	13		25	J	24	J
Heptachlor											13		19	J	19	J
Aldrin		UJ								UJ	13		23	J	22	J
Heptachlor Epoxide																
Endosulfan I																
Dieldrin		UJ								UJ	26		57	J	57	J
4,4'-DDE		UJ								UJ				UJ		UJ
Endrin										UJ	26		58		55	
Endosulfan II		UJ								UJ				UJ		UJ
4,4'-DDD		UJ								UJ				UJ		UJ
Endosulfan Sulfate																
4,4'-DDT		UJ								UJ	27		46	J	47	J
Methoxychlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Ketone		UJ								UJ				UJ		UJ
Endrin Aldehyde																
alpha-chlordane																
gamma-chlordane																
Toxaphene																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254													110		130	
Aroclor-1260													91	J	96	J

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9203.112

All results reported in ug/L

Parameters-Pesticides/PCBs	PIBLK01	Q	PIBLK02	Q	PIBLK03	Q	PIBLK04	Q	PIBLK05	Q	PIBLK06	Q	PIBLK07	Q	PIBLK08	Q
alpha-BHC											UJ		UJ			UJ
beta-BHC									UJ		UJ		UJ			UJ
delta-BHC											UJ		UJ			UJ
gamma-BHC(Lindane)											UJ		UJ			UJ
Heptachlor																
Aldrin											UJ		UJ			UJ
Heptachlor Epoxide																
Endosulfan I																
Dieldrin											UJ		UJ			UJ
4,4'-DDE											UJ		UJ			UJ
Endrin																
Endosulfan II											UJ		UJ			UJ
4,4'-DDD											UJ		UJ			UJ
Endosulfan Sulfate																
4,4'-DDT											UJ		UJ			UJ
Methoxychlor			UJ		UJ		UJ		UJ		UJ		UJ			UJ
Endrin Ketone											UJ		UJ			UJ
Endrin Aldehyde																
alpha-chlordane																
gamma-chlordane																
Toxaphene																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9300.238

SDG NO. MW-1D

All results reported in ug/L

Parameters-Pesticides/PCBs	MW-2D	Q	MW-4D	Q	MW-8D	Q	PBLKW1	Q
alpha-BHC		UJ		UJ		UJ		UJ
beta-BHC								
delta-BHC								
gamma-BHC(Lindane)								
Heptachlor								
Aldrin								
Heptachlor Epoxide								
Endosulfan I								
Dieldrin								
4,4'-DDE								
Endrin								
Endosulfan II								
4,4'-DDD								
Endosulfan Sulfate								
4,4'-DDT								
Methoxychlor								
Endrin Ketone								
Endrin Aldehyde								
alpha-chlordane								
gamma-chlordane								
Toxaphene								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Parameters-Pesticides/PCBs	MW-04S	Q	MW-04SD	Q	MW-07S	Q	MW-08S	Q	MW-09S	Q	MW-1D	Q	MW-5S	Q	MW-9D	Q	MW-10D	Q
alpha-BHC				UJ														
beta-BHC				UJ														
delta-BHC				UJ														
gamma-BHC(Lindane)				UJ														
Heptachlor				UJ														
Aldrin				UJ														
Heptachlor Epoxide				UJ														
Endosulfan I				UJ														
Dieldrin				UJ														
4,4'-DDE				UJ														
Endrin				UJ														
Endosulfan II				UJ														
4,4'-DDD				UJ														
Endosulfan Sulfate				UJ														
4,4'-DDT				UJ														
Methoxychlor				UJ														
Endrin Ketone		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Aldehyde				UJ														
alpha-chlordane				UJ														
gamma-chlordane				UJ														
Toxaphene				UJ														
Aroclor-1016				UJ														
Aroclor-1221				UJ														
Aroclor-1232				UJ														
Aroclor-1242				UJ														
Aroclor-1248				UJ														
Aroclor-1254				UJ														
Aroclor-1260				UJ														

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358

SDG NO. MW-04S

All results reported in ug/L

Parameters-Pesticides/PCBs	MW-10S	Q	RINSBLK	Q	PBLKW1	Q	PBLKW2	Q	MW-10SMS	Q	MW-10MSD	Q	MSB1	Q
alpha-BHC														
beta-BHC														
delta-BHC														
gamma-BHC(Lindane)									0.43		0.45		0.43	
Heptachlor									0.43		0.44		0.38	
Aldrin									0.43		0.42		0.37	
Heptachlor Epoxide														
Endosulfan I														
Dieldrin									0.92		0.66		0.85	
4,4'-DDE														
Endrin									0.97				0.42	
Endosulfan II														
4,4'-DDD														
Endosulfan Sulfate														
4,4'-DDT									0.95		1.0		0.94	
Methoxychlor														
Endrin Ketone		UJ		UJ		UJ		UJ		UJ	0.82	JX	0.43	JX
Endrin Aldehyde											0.19	X	0.097	JX
alpha-chlordane														
gamma-chlordane														
Toxaphene														
Aroclor-1016														
Aroclor-1221														
Aroclor-1232														
Aroclor-1242														
Aroclor-1248														
Aroclor-1254														
Aroclor-1260														

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9203.240

All results reported in ug/L

Parameters-Pesticides/PCBs	PIBLK01	Q	PIBLK02	Q	PIBLK03	Q	PIBLK04	Q
alpha-BHC								
beta-BHC								
delta-BHC								
gamma-BHC(Lindane)								
Heptachlor								
Aldrin								
Heptachlor Epoxide								
Endosulfan I								
Dieldrin								
4,4'-DDE								
Endrin								
Endosulfan II								
4,4'-DDD								
Endosulfan Sulfate								
4,4'-DDT								
Methoxychlor								
Endrin Ketone								
Endrin Aldehyde								
alpha-chlordane								
gamma-chlordane								
Toxaphene								
Aroclor-1016								
Aroclor-1221								
Aroclor-1232								
Aroclor-1242								
Aroclor-1248								
Aroclor-1254								
Aroclor-1260								

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/L

Parameters-Pesticides/PCBs	MH-01	Q	MH-02	Q	QW1	Q	SW-1	Q	SW-2	Q	SW-3	Q	SW-3D	Q	SW4	Q	SW5	Q	SW6	Q
alpha-BHC																				
beta-BHC																				
delta-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
gamma-BHC(Lindane)																				
Heptachlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Aldrin																				
Heptachlor Epoxide																				
Endosulfan I																				
Dieldrin																				
4,4'-DDE																				
Endrin		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endosulfan II																				
4,4'-DDD		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endosulfan Sulfate		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
4,4'-DDT		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~		~~UJ~~
Methoxychlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Ketone		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endrin Aldehyde																				
alpha-chlordane																				
gamma-chlordane																				
Toxaphene																				
Aroclor-1016																				
Aroclor-1221																				
Aroclor-1232																				
Aroclor-1242																				
Aroclor-1248																				
Aroclor-1254																				
Aroclor-1260																				

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY (cont.)

CASE NO. 9203.166

All results reported in ug/L

Parameters-Pesticides/PCBs	PBLKW1	Q	SW-1MS	Q	SW-1MSD	Q	MSB1	Q
alpha-BHC		UJ						
beta-BHC		UJ						
delta-BHC		UJ		UJ		UJ		
gamma-BHC(Lindane)		UJ	0.45		0.45		0.44	
Heptachlor		UJ	0.40	J	0.39	J	0.39	J
Aldrin		UJ	0.32		0.32		0.31	
Heptachlor Epoxide		UJ						
Endosulfan I		UJ						
Dieldrin		UJ	0.87		0.87		0.86	
4,4'-DDE		UJ						
Endrin		UJ	0.91	J	0.91	J	0.52	J
Endosulfan II		UJ						
4,4'-DDD		UJ		UJ		UJ		
Endosulfan Sulfate		UJ		UJ		UJ		UJ
4,4'-DDT		UJ	1.0	J	1.0	J	1.0	J
Methoxychlor		UJ		UJ		UJ		UJ
Endrin Ketone		UJ		UJ		UJ	0.34	
Endrin Aldehyde		UJ					0.15	
alpha-chlordane		UJ						
gamma-chlordane		UJ						
Toxaphene		UJ						
Aroclor-1016		UJ						
Aroclor-1221		UJ						
Aroclor-1232		UJ						
Aroclor-1242		UJ						
Aroclor-1248		UJ						
Aroclor-1254		UJ						
Aroclor-1260		UJ						

DEARCOP FARM SITE

PESTICIDES and PCBs/SOIL - DATA SUMMARY

CASE NO. 9300.428

All results reported in ug/Kg

Parameters-Pesticides/PCBs	MW6D	Q	PBLKS1	Q	PBLKS2	Q	MW6DMS	Q	MW6DMSD	Q	MSB1	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ		UJ
beta-BHC				UJ				UJ		UJ		
delta-BHC		UJ		UJ		UJ		UJ		UJ		UJ
gamma-BHC(Lindane)		UJ		UJ		UJ	21 J		17 J		18 J	
Heptachlor				UJ		UJ	23 J		18 J		18 J	
Aldrin				UJ		UJ	24 J		17 J		16 J	
Heptachlor Epoxide				UJ				UJ		UJ		
Endosulfan I				UJ				UJ		UJ		
Dieldrin				UJ		UJ	42 J		36 J		32 J	
4,4'-DDE	4.6	J		UJ			4.4 J		5.7 J			
Endrin				UJ		UJ	47 J		42 J		33 J	
Endosulfan II				UJ				UJ	4.5 J			
4,4'-DDD				UJ			6.7 J		4.6 J			
Endosulfan Sulfate				UJ				UJ		UJ		
4,4'-DDT	4.0	J		UJ		UJ	52 J		43 J		32 J	
Methoxychlor				UJ				UJ		UJ		
Endrin Ketone				UJ			4.1 J		4.6 J			
Endrin aldehyde				UJ				UJ		UJ		
alpha-chlordane				UJ			2.4 J			UJ		
gamma-chlordane				UJ				UJ		UJ		
Toxaphene				UJ				UJ		UJ		
Aroclor-1016				UJ				UJ		UJ		
Aroclor-1221				UJ				UJ		UJ		
Aroclor-1232				UJ				UJ		UJ		
Aroclor-1242				UJ				UJ		UJ		
Aroclor-1248				UJ				UJ		UJ		
Aroclor-1254				UJ				UJ		UJ		
Aroclor-1260				UJ				UJ		UJ		

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9300.559

All results reported in ug/L

Parameters-Pesticides/PCBs	DR-3	Q	MW-10DR	Q	MW-10SR	Q	MW-2D-N	Q	MW-3D	Q	MW-6D	Q	MW-6S	Q	MW-6SDUP	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
beta-BHC								UJ								
delta-BHC								UJ								
gamma-BHC(Lindane)								UJ								
Heptachlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Aldrin								UJ								
Heptachlor Epoxide								UJ								
Endosulfan I								UJ								
Dieldrin								UJ								
4,4'-DDE								UJ								
Endrin								UJ								
Endosulfan II								UJ								
4,4'-DDD		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endosulfan Sulfate								UJ								
4,4'-DDT								UJ								
Methoxychlor								UJ								
Endrin Ketone								UJ								
Endrin aldehyde								UJ								
alpha-chlordane								UJ								
gamma-chlordane								UJ								
Toxaphene								UJ								
Aroclor-1016								UJ								
Aroclor-1221								UJ								
Aroclor-1232								UJ								
Aroclor-1242								UJ								
Aroclor-1248								UJ								
Aroclor-1254								UJ								
Aroclor-1260								UJ								

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters-Pesticides/PCBs	MW-8SR	Q	MW-9DR	Q	MW-DR-2	Q	MW-RIN-9DR	Q	PBLKW1	Q	PBLKW3	Q	PBLKW4	Q	MW-10SRMS	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
beta-BHC																
delta-BHC																
gamma-BHC(Lindane)															0.55	
Heptachlor		UJ		UJ		UJ		UJ		UJ		UJ		UJ	0.36	J
Aldrin															0.46	
Heptachlor Epoxide																
Endosulfan I																
Dieldrin															1.1	
4,4'-DDE																
Endrin															1.1	
Endosulfan II																
4,4'-DDD		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Endosulfan Sulfate																
4,4'-DDT															0.93	
Methoxychlor																
Endrin Ketone																
Endrin aldehyde																
alpha-chlordane																
gamma-chlordane																
Toxaphene																
Aroclor-1016																
Aroclor-1221																
Aroclor-1232																
Aroclor-1242																
Aroclor-1248																
Aroclor-1254																
Aroclor-1260																

DEARCOP FARM SITE
PESTICIDES and PCBs/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.559

All results reported in ug/L

Parameters-Pesticides/PCBs	MW-10SRMSD	Q	MSB1	Q
alpha-BHC		UJ		UJ
beta-BHC		UJ		
delta-BHC		UJ		
gamma-BHC(Lindane)	0.28	J	0.51	
Heptachlor	0.21	J	0.48	J
Aldrin	0.24	J	0.46	
Heptachlor Epoxide		UJ		
Endosulfan I		UJ		
Dieldrin	0.56	J	0.97	
4,4'-DDE		UJ		
Endrin	0.57	J	0.91	
Endosulfan II		UJ		
4,4'-DDD		UJ		UJ
Endosulfan Sulfate		UJ		
4,4'-DDT	0.50	J	1.0	
Methoxychlor		UJ		
Endrin Ketone		UJ		
Endrin aldehyde		UJ		
alpha-chlordane		UJ		
gamma-chlordane		UJ		
Toxaphene		UJ		
Aroclor-1016		UJ		
Aroclor-1221		UJ		
Aroclor-1232		UJ		
Aroclor-1242		UJ		
Aroclor-1248		UJ		
Aroclor-1254		UJ		
Aroclor-1260		UJ		

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9300.706

All results reported in ug/L

Parameters-Pesticides/PCBs	MH-3	Q	MH-4	Q	MW-5D	Q	PBLKW1	Q	PBLKW2	Q	MW-5DMS	Q	MW-5DMSD	Q	MSB1	Q
alpha-BHC		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
beta-BHC						UJ						UJ				
delta-BHC						UJ						UJ				
gamma-BHC(Lindane)						UJ					0.45	J	0.44		0.47	
Heptachlor						UJ					0.21	J	0.22	J	0.35	
Aldrin						UJ					0.16	J	0.29		0.30	
Heptachlor Epoxide						UJ						UJ				
Endosulfan I						UJ						UJ				
Dieldrin						UJ					0.68	J	0.82		0.94	
4,4'-DDE						UJ						UJ				
Endrin						UJ					0.73	J	0.84		0.97	
Endosulfan II						UJ						UJ				
4,4'-DDD						UJ						UJ				
Endosulfan Sulfate						UJ						UJ				
4,4'-DDT						UJ					0.37	J	0.67		0.99	
Methoxychlor						UJ						UJ				
Endrin Ketone						UJ						UJ				
Endrin Aldehyde						UJ						UJ				
alpha-chlordane						UJ						UJ				
gamma-chlordane						UJ						UJ				
Toxaphene						UJ						UJ				
Aroclor-1016						UJ						UJ				
Aroclor-1221						UJ						UJ				
Aroclor-1232						UJ						UJ				
Aroclor-1242						UJ						UJ				
Aroclor-1248						UJ						UJ				
Aroclor-1254						UJ						UJ				
Aroclor-1260						UJ						UJ				

DEARCOP FARM SITE

PESTICIDES and PCBs/WATER - DATA SUMMARY

CASE NO. 9300.871

All results reported in ug/L

Parameters-Pesticides/PCBs	DR-1	Q	PBLKW1	Q	MSB1	Q	DR-1MS	Q	DR-1MSD	Q
alpha-BHC										
beta-BHC										
delta-BHC										
gamma-BHC(Lindane)					0.55		1.0		1.1	
Heptachlor					0.45		0.85		0.98	
Aldrin					0.42		0.75		0.92	
Heptachlor Epoxide										
Endosulfan I										
Dieldrin					0.86		1.8		2.0	
4,4'-DDE										
Endrin		UJ		UJ		UJ	1.8	J	0.39	J
Endosulfan II										
4,4'-DDD										
Endosulfan Sulfate										
4,4'-DDT					1.0		1.9		2.1	
Methoxychlor		UJ		UJ		UJ		UJ		UJ
Endrin Ketone					0.45	X			1.0	X
Endrin Aldehyde					0.14	X			0.44	X
alpha-chlordane										
gamma-chlordane										
Toxaphene										
Aroclor-1016										
Aroclor-1221										
Aroclor-1232										
Aroclor-1242										
Aroclor-1248										
Aroclor-1254										
Aroclor-1260										

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY (cont.)

CASE NO. 9300.005
SDG NO. BH-93

All results reported in mg/Kg

Parameters - Inorganics	BH21V	Q	BH32V	Q	BH32VD	Q	BH33V	Q	BH5V	Q	MW-4S	Q	MW-8S	Q
Aluminum	5490		3430		3580		4010		5290		372		5590	
Antimony		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Arsenic	2.0	B	1.5	B	1.8	B	2.3		3.4		0.50	B	2.1	B
Barium	43.5	B	28.1	B	34.7	B	31.2	B	40.0	B	14.0	B	47.7	
Beryllium	0.30	B	0.25	B	0.25	B			0.35	B			0.33	B
Cadmium	1.6		0.87	B	0.91	B	0.99	B	1.9				1.4	
Calcium	49100	X	52100	X	49200	X	1250	X	14100	X	48000	X	46800	X
Chromium	9.5		7.0		7.0		7.1		10.3		6.5		12.0	
Cobalt	7.4	B	4.4	B	4.3	B	2.9	B	7.0	B	1.8	B	7.9	B
Copper	12.3		6.7		6.4		13.7		14.7		7.4		14.3	
Iron	13200		8600		8720		7210		15700		3410		13000	
Lead	3.6		6.4		2.9		18.2		8.4		2.0		3.5	
Magnesium	11100		12800		12800		538	X	8070		11700		11000	
Manganese	393		269		297		91.7		638		212		360	
Mercury														
Nickel	13.1		7.2	B	7.7	B	6.3	B	12.4		3.4	U	13.8	
Potassium	832	B	828	B	769	B	368	U	699	B	111	U	1220	
Selenium		UJ		UJ		UJ	0.53	J		UJ		UJ		UJ
Silver							0.23	B						
Sodium	169	B	125	B	121	B	74.9	B	88.6	B	72.3	B	178	B
Thallium														
Vanadium	19.3		11.4		11.1	B	9.1	B	17.1		1.9	B	16.8	
Zinc	23.6	X	17.4	U	17.2	U	34.9	X	22.5	X	10.8	U	26.5	X
Cyanide														

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY

CASE NO. 9300.005
SDG NO. BH-93

All results reported in mg/Kg

Parameters - Inorganics	BH-93	Q	BH102D	Q	BH105D	Q	BH14V	Q	BH15V	Q	BH181D	Q	BH205D	Q	BH206D	Q
Aluminum	3510		4160		11300		4830		4530		3800		5320		3400	
Antimony		UJ		UJ		UJ		UJ		UJ		UJ		UJ		UJ
Arsenic	2.2		2.2	B	3.7		2.2	B	2.9		1.5	B	2.8		4.7	
Barium	106		37.2	B	91.1		42.8	B	34.2	B	36.1	B	58.0		113	
Beryllium	0.53	B	0.26	B	0.71	B	0.30	B	0.25	B	0.30	B	0.41	B		
Cadmium	0.99	B	1.4		2.4		1.3		1.3		0.93	B	2.0		111	
Calcium	7810	X	87500	X	3920	X	65100	X	60400	X	62400	X	2020	X	27800	X
Chromium	4.8		6.3		15.1		8.3		7.5		7.0		8.6		31.7	
Cobalt	5.7	B	5.5	B	8.1	B	6.1	B	6.1	B	5.0	B	7.8	B	12.5	
Copper	12.4		12.5		14.0		8.6		12.0		9.7		12.2		1960	
Iron	5730		10000		18700		10400		10600		9830		14700		13300	
Lead	18.2		4.5		15.8		3.4		7.5		3.9		9.6		774	
Magnesium	603	X	13400		2360		14200		14200		20200		2190		3140	
Manganese	1080		337		429		285		447		343		929		214	
Mercury	0.51				0.17											
Nickel	6.0	B	9.0	B	13.1		10.4		11.4		8.4	B	16.4		1210	
Potassium	179	U	564	B	901	B	1060	B	637	B	997	B	1130	B	656	B
Selenium	0.68	J		UJ	0.90	J		UJ		UJ		UJ	0.46	J	0.52	J
Silver	0.26	B											0.56	B	10.2	
Sodium	453	B	120	B	79.8	B	129	B	109	B	151	B	111	B	421	B
Thallium																
Vanadium	8.8	B	10.9	B	26.9		13.1		12.6		12.1		15.4		9.2	B
Zinc	20.9	U	18.0	U	61.3	X	23.4	X	20.6	U	18.2	U	36.3	X	1070	
Cyanide															8.2	

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY

CASE NO. 9300.005
SDG NO. BH-93

All results reported in ug/L

Parameters - Inorganics	BHR15	Q
Aluminum	79.3	U
Antimony		
Arsenic		
Barium		
Beryllium		
Cadmium		
Calcium	524	B
Chromium		
Cobalt		
Copper	4.6	U
Iron	333	
Lead		
Magnesium	109	B
Manganese	5.4	B
Mercury		
Nickel		
Potassium		
Selenium		
Silver		
Sodium		
Thallium		
Vanadium		
Zinc	21.1	
Cyanide		

DEARCOP FARM SITE

INORGANICS/SOILS - DATA SUMMARY

CASE NO. 9300.238
SDG NO. MW-2D

All results reported in mg/Kg

Parameters - Inorganics	MW1D	Q	MW1DD	
Aluminum	3850		3240	
Antimony				
Arsenic	2.5	B	1.6	B
Barium	22.9	B	25.8	B
Beryllium				
Cadmium			0.78	B
Calcium	65700		56900	
Chromium	10.6		7.4	
Cobalt	7.5	B	5.8	B
Copper	8.7		9.7	
Iron	12500	J	9840	J
Lead	6.8		4.2	
Magnesium	26000		21000	
Manganese	317	J	296	J
Mercury				
Nickel	11.0		7.4	B
Potassium	960	B	665	B
Selenium				
Silver				
Sodium	156	B	127	B
Thallium				
Vanadium	13.8		11.3	B
Zinc	26.7		20.1	
Cyanide				

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY

CASE NO. 9203.166

All results reported in mg/Kg

Parameters - Inorganics	MW2D	Q	SED-4	Q	SED-5	Q	SED-6	Q
Aluminum	6250		2850		2470		2920	
Antimony		UJ		UJ		UJ		UJ
Arsenic	3.7	J	3.4	J	3.2	J	3.7	J
Barium	35.9	B	48.5	B	43.2	B	57.9	B
Beryllium	0.36	B	0.38	B			0.43	B
Cadmium	1.2		2.0		1.6	B	2.3	
Calcium	3690		33100		27900		56900	
Chromium	11.7		23.4		23.9		27.1	
Cobalt	7.7	B	6.3	B	4.7	B	7.4	B
Copper	15.9		41.0		34.0		44.9	
Iron	15500		9130		8670		9140	
Lead	7.3		66.8		135		75.3	
Magnesium	2950		10600		6660		6670	
Manganese	382	J	299	J	334	J	318	J
Mercury	0.24		0.82		0.25			
Nickel	14.0		14.7		12.8	B	15.4	
Potassium	652	B	536	B	542	B	586	B
Selenium			0.44	B				
Silver			1.4	B			1.3	B
Sodium	219	B	180	B	229	B	522	B
Thallium								
Vanadium	16.4							
Zinc	42.2	J	272	J	224	J	299	J
Cyanide								

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY

CASE NO. 9203.240

All results reported in mg/Kg

Parameters - Inorganics	MW3D	Q	MW-5D	Q	MW-9S	Q
Aluminum	9110		900		758	
Antimony						
Arsenic	3.2	J	0.70	J	0.89	J
Barium	205		14.7	B	16.5	B
Beryllium	0.42	B				
Cadmium	1.9					
Calcium	6660		54000		82600	
Chromium	18.0		2.4		2.7	
Cobalt	7.7	B	2.1	B	2.5	B
Copper	99.8		10.5		8.4	
Iron	13500		4670		4880	
Lead	44.5		13.9		3.0	
Magnesium	2920		7990		20700	
Manganese	181		206		334	
Mercury						
Nickel	16.3		4.7	B	5.2	B
Potassium	782	B	117	B	453	B
Selenium	0.62	J		UJ		UJ
Silver	7.9		0.27	B		
Sodium	245	B	93.4	B	140	B
Thallium						
Vanadium	16.9		4.5	B	4.1	B
Zinc	147		14.8		9.1	
Cyanide						

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY

CASE NO. 9300.133
SDG NO. MW-10D

All results reported in mg/Kg

Parameters - Inorganics	MW10D	Q
Aluminum	3430	
Antimony		
Arsenic	2.4	
Barium	42.0	B
Beryllium		
Cadmium	0.91	B
Calcium	43800	
Chromium	8.0	
Cobalt	7.4	B
Copper	11.4	
Iron	9250	
Lead	5.7	
Magnesium	10200	
Manganese	312	J
Mercury		
Nickel	12.5	
Potassium	715	B
Selenium		
Silver		
Sodium	419	B
Thallium		
Vanadium	10.6	B
Zinc	23.5	
Cyanide		

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY

CASE NO. 9202.923

All results reported in mg/Kg

Parameters - Inorganics	TP-1A	Q	TP-1B	Q	TP-2A	Q	TP-2AD	Q	TP-2B	Q	TP-2C	Q
Aluminum	1340		2250		3750		2660		2950		846	
Antimony		UJ		UJ		UJ		UJ		UJ		UJ
Arsenic	2.8		1.8	B	4.1		4.4		1.7	B	0.79	B
Barium	30.7	J	25.9	J	1380	J	913	J	35.9	J	15.8	J
Beryllium									0.25	B		
Cadmium	3.0		0.75	B	3.8		3.7		0.94	B	1.0	B
Calcium	781	B	43600		3590		1990		45600		342	B
Chromium	43.6	J	5.7	J	432	J	403	J	68.9	J	38.5	J
Cobalt	9.5	J	4.0	J	1330	J	648	J	20.4	J	21.3	J
Copper	174		10.0		89.5		85.6		15.2		30.1	
Iron	31000	J	8050	J	38500	J	33900	J	9860	J	8170	J
Lead	19.9		3.4		56.3		71.7		3.8		7.5	
Magnesium	308	B	10500		389	B	276	B	9710		264	B
Manganese	419	J	290	J	1700	J	1420	J	390	J	116	J
Mercury												
Nickel	46.2	J	7.5	J	420	J	351	J	84.7	J	30.3	J
Potassium	93.4	B	356	B	2390		1180	B	433	B	113	B
Selenium	0.22	B			0.36	B	0.29	B	0.28	B	0.58	B
Silver		UJ		UJ	0.86	J		UJ		UJ		UJ
Sodium	125	B	151	B	6880		3260		137	B	335	B
Thallium	0.24	B	0.24	B			0.25	B	0.26	B	0.24	B
Vanadium			8.3	B	14.4		8.8	B	9.6	B		
Zinc	283	J	23.1	J	110	J	88.1	J	42.3	J	110	J
Cyanide							1.7					

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY

CASE NO. 9203.138

All results reported in mg/Kg

Parameters - Inorganics	SED-1	Q	SED-2	Q	SED-3	Q	SED-3D	Q	SS-19	Q	SS-20	Q	TP-3A	Q	TP-3AD	Q	TP-3B	Q
Aluminum	2090		2240		2300		2330		609		2540		1710		1980		2770	
Antimony																		
Arsenic	2.3	B	0.79	B	1.1	B	0.98	B	1.6	B	1.7	B	3.9		2.5		1.7	B
Barium	55.7	B	15.8	B	18.9	B	21.2	B	22.4	B	40.8	B	50.0		63.2		24.5	B
Beryllium											0.36	B						
Cadmium	1.5	B	2.4		1.9		1.6		8.8		1.1	B	12.3		12.4		1.9	
Calcium	21200		38500		37500		35800		374	B	11600		861	B	695	B	62400	
Chromium	7.5	J	5.0	J	9.1	J	7.2	J	50.4	J	10.4	J	80.0	J	111	J	8.7	J
Cobalt	4.6	U	4.8	U	5.4	B	6.8	B	13.8		3.3	U	17.7		19.4		5.9	B
Copper	74.6	✓	7.6	✓	11.9	✓	11.5	✓	68.3	✓	18.6	✓	322	✓	426	✓	12.3	✓
Iron	4500		8430		7620		7370		43600		4600		56000		55700		10000	
Lead	137	J	2.3	J	12.8	J	12.3	J	5.3	J	32.9	J	41.8	J	50.6	J	8.7	J
Magnesium	3880		11500		10700		10200		307	B	3110		498	B	351	B	21200	
Manganese	161		242		328		353		562		217		807		1030		354	
Mercury	3.0																	
Nickel	6.5	B	5.1	B	4.7	B	6.8	B	44.7		2.9	B	105		120		8.2	B
Potassium	325	B	292	B	309	B	298	B	53.6	B	489	B	50.9	B	51.7	B	444	B
Selenium													0.34	B	0.36	B	0.34	B
Silver	1.1	B									1.5	B						
Sodium	934	B	109	B	126	B	120	B									99.0	B
Thallium																		
Vanadium			10	B	7.2	B	6.5	B			5.8	B					8.0	B
Zinc	125		35.0		57.8		56.7		32.9		48.3		150		113		35.1	
Cyanide																		

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.138

All results reported in mg/Kg

Parameters - Inorganics	TP-4A	Q	TP-4B	Q	TP-5A	Q	TP-5B	Q	TP-5C	Q	TP-6A	Q	TP-6B	Q	TP-7A	Q	TP-7B	Q
Aluminum	2070		2550		1540		2620		3220		5110		1680		3180		4350	
Antimony																		
Arsenic	1.7	B	1.9	B	2.6		3.3		2.0	B	2.0	B	3.6		4.8		7.0	
Barium	15.3	B	31.6	B	374		850		46.7		387		53.6		656		601	
Beryllium							0.27	B										
Cadmium	2.5		1.4		1.9		8.9		2.1		6.2		10.7		23.2		14.8	
Calcium	680	B	49800		3080		4900		50400		3270		970	B	3810		10900	
Chromium	15.4	J	3.8	J	21.6	J	15300	J	141	J	55.0	J	31.2	J	53.5	J	95.5	J
Cobalt	4.4	U	5.5	B	563		54.9		7.8	B	14.1		18.7		27.2		34.6	
Copper	51.2	J	13.3	J	790	J	345	J	11.9	J	755	J	600	J	1210	J	626	J
Iron	12500		8610		8180		17200		10200		20600		40400		66200		45200	
Lead	26.5	J	3.8	J	72.6	J	82.5	J	6.0	J	235	J	42.5	J	1900	J	254	J
Magnesium	338	B	14000		659	B	713	B	12600		726	B	455	B	1200		2700	
Manganese	3320		298		377		179		359		292		526		1270		658	
Mercury					0.59		0.13				0.25				0.28		0.43	
Nickel	13.3		5.7	B	82.3		3620		53.6		96.0		72.4		94.8		166	
Potassium	136	B	414	B	929	B	287	B	530	B	386	B	135	B	257	B	474	B
Selenium											0.42	B					0.60	B
Silver					3.3		3.3				8.6				51.9		22.8	
Sodium	326	B			2590		1360		123	B	334	B					142	B
Thallium																		
Vanadium			6.5	B					8.3	B								
Zinc	24.3		23.2		136		828		35.7		754		369		1740		794	
Cyanide																	0.66	J

INORGANICS/SOIL - DATA SUMMARY

All results reported in mg/Kg

Parameters - Inorganics	SS-1	Q	SS-2	Q	SS-3	Q	SS-4	Q	SS-5	Q	SS-6	Q	SS-7	Q	SS-7D	Q	SS-8	Q	SS-9	Q
Aluminum	3720		3350		1080		612		1600		1050		5870		2310		1590		903	
Antimony		R		R		R		R		R		R		R		R		R		R
Arsenic	2.7	B	7.8		2.2	B	3.1		2.6		2.6		2.6		2.9		2.1	B	2.4	B
Barium	44.6	B	41.3	B	52.2	B	19.5	B	80.3		38.3	B	70.7		36.8	B	27.6	B	22.5	B
Beryllium	0.30	B	0.33	B									0.39	B						
Cadmium	0.61	B	0.94	B	2.8		5.1		8.3		2.3		1.4		1.3		0.87	B	3.7	
Calcium	2430		3310		19200		3210		7700		1290		58700		37000		36600		4000	
Chromium	6.2	J	5.7	J	7.1	J	26.0	J	62.9	J	21.6	J	10.5	J	10.5	J	9.2	J	29.0	J
Cobalt	2.8	B	2.9	B			6.9	B	40.4		9.5	B	9.6	B	6.0	B	4.7	B	8.2	B
Copper	8.1	J	8.9	J	122	J	106	J	245	J	109	J	17.2	J	22.3	J	23.7	J	73.3	J
Iron	7620		5950		5570		18900		41700		27400		14500		9270		9240		21600	
Lead	23.2		23.1		164		206		75.7		41.9		7.4		36.7		11.8		43.9	
Magnesium	696	B	917	B	2340		304	B	396	B	209	B	10700		7120		11100		1310	
Manganese	139		218		127		578		598		507		484		326		327		424	
Mercury									0.13											
Nickel	5.4	B	2.6	B	13.6	B	52.2		90.1		55.2		15.0		11.0		12.8		41.3	
Potassium	257	B	418	B	524	B	181	B	172	B	226	B	1070	B	396	B	317	B	105	B
Selenium		R	0.33	J	0.71	J		R		R		R		R		R		R		R
Silver	1.6	B	1.3	B	2.2	B	1.1	B	1.8	B	1.3	B	0.81	B					1.3	B
Sodium									114	B			202	B						
Thallium																				
Vanadium	13.8		10.2	B	11.2	B			13.3		6.3	B	22.0		10.7	B	6.9	B	12.7	
Zinc	31.8		37.7		409	J	201	J	167	J	97.5		38.4		55.6		30.9		87.8	
Cyanide																	1.1	J		

C-199

$$2.0 \times 10^{-10} \text{ m}^2 \text{ s}^{-1} = 2.0 \times 10^{-10} \text{ m}^2 \text{ s}^{-1} \times \frac{1 \text{ cm}^2}{10^{-4} \text{ m}^2} = 2.0 \times 10^{-6} \text{ cm}^2 \text{ s}^{-1}$$

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY (cont.)

CASE NO. 9203.112

All results reported in mg/Kg

Parameters - Inorganics	SS-10	Q	SS-11	Q	SS-12	Q	SS-13	Q	SS-13D	Q	SS-14	Q	SS-15	Q	SS-16	Q	SS-17	Q	SS-18	Q
Aluminum	573		1120		1560		755		1080		1240		2830		2590		887		728	
Antimony		R		R		R		R		R		R		R		R		R		R
Arsenic	0.83	B	2.5		2.8		3.7		7.8		2.6		3.0		3.5		1.5	B	1.3	B
Barium	16.3	B	24.7	B	30.6	B	34.4	B	27.7	B	37.6	B	80.5		33.5	B	1550		16.4	B
Beryllium																				
Cadmium	0.48	B	0.81	B	3.4		5.9		3.6		5.7		7.4		1.3	B			0.48	B
Calcium	368	B	130000		1000	B	633	B	998	B	944	B	4520		2210		1910		493	B
Chromium	10.5	J	2.2	J	55.0	J	50.3	J	32.9	J	39.4	J	50.8	J	4.1	J	14.6	J	7.5	J
Cobalt	16.6		2.6	B	14.1		27.2		13.0		12.3		270		3.3	B	620		3.1	B
Copper	23.1	J	7.1	J	113	J	171	J	218	J	237	J	1540	J	15.9	J	20.0	J	13.5	J
Iron	8390		4630		41600		55100		32000		34900		36700		4650		5040		5960	
Lead	34.8		40.1		42.4		45.0		32.6		48.7		421		52.4		13.0		18.9	
Magnesium	204	B	13900		505	B	69.0	B	131	B	269	B	603	B	466	B	192	B	196	B
Manganese	277		609		664		588		542		601		663		109		263		938	
Mercury											0.14		0.17							
Nickel	13.0		2.0	B	60.7		65.4		42.6		56.9		155		4.1	B	160		6.4	B
Potassium	120	B	271	B	168	B	132	B	121	B	131	B	564	B	286	B	1500		148	B
Selenium	0.25	J		R		R	0.22	J		R		R		R	0.38	J		R		R
Silver	0.90	B	0.75	B	1.6	B	1.2	B	1.2	B	1.2	B	22.4		2.5	B	1.8	B		
Sodium													1170				3720			
Thallium																				
Vanadium			6.7	B	16.1		10.1	B	11.2		10.9	B	14.3		7.5	B				
Zinc	16.2		14.3		105	J	78.5	J	71.7	J	235	J	858	J	29.2		30.2		16.1	
Cyanide											0.66	J								

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY

CASE NO. 9300.238
SDG NO. MW-2D

All results reported in ug/L

Parameters - Inorganics	MW-2D	Q	MW-4D		MW-8D	
Aluminum	877		745		663	
Antimony						
Arsenic						
Barium	42.8	B	73.9	B	25.4	B
Beryllium		UJ		UJ		UJ
Cadmium		UJ		UJ		UJ
Calcium	453000		248000		815000	
Chromium	27.9	J	87.3	J	6.5	J
Cobalt		UJ		UJ		UJ
Copper	89.9		7.0	B	7.6	B
Iron	2450	J	2010	J	2030	J
Lead	6.4		2.4	B		
Magnesium	119000		51500		221000	
Manganese	64.8	J	29.2	J	48.3	J
Mercury						
Nickel	11.0	J	55.9	J		UJ
Potassium	32900		21700		72400	
Selenium						
Silver	1.7	U				
Sodium	685000		492000		5110000	
Thallium		UJ		UJ		UJ
Vanadium						
Zinc	282		11.8	U	36.7	
Cyanide		UJ		UJ		UJ

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Parameters - Inorganics	MW-04S	Q	MW-07S	Q	MW-08S	Q	MW-09S	Q	MW-1D	Q	MW-10D	Q	MW-10S	Q	MW-5S	Q
Aluminum	1040		1160		1390		4460		3580		6050		30500		90300	
Antimony																
Arsenic							2.3 B		3.3 B		1.2 B		72.0		37.9	
Barium	154 B		123 B		48.1 B		69.7 B		34.6 B		56.0 B		473		612	
Beryllium													1.5 B		4.5 B	
Cadmium													9.1		24.3	
Calcium	137000		162000		182000		224000		857000		655000		574000		1400000	
Chromium							6.8 B		14.7		5.2 B		59.7		144	
Cobalt							5.4 B		6.1 B				51.6		91.3	
Copper	4.0 B		5.0 B		5.8 B		12.7 B		30.1		13.2 B		99.9		206	
Iron	2110		1830		4380		11100		10700		5160		79200		169000	
Lead	2.9 B		7.5		3.8		13.2		1.8 B		3.2		48.1		107	
Magnesium	48500		43300		77700		82300		230000		202000		229000		363000	
Manganese	57.2 J		45.0		110 J		424 J		137 J		147 J		2440 J		5760 J	
Mercury																
Nickel							7.3 B		12.8 B				67.1		144	
Potassium	1940 B		4150 B		4650 B		4380 B		80500		48100		10400		21100	
Selenium																
Silver															2.1 B	
Sodium	64200		680000		85000		129000		6000000		2580000		164000		105000	
Thallium									2.2 U				1.6 U		1.4 U	
Vanadium					4.4 B		10.5 B				10.2 B		90.5		205	
Zinc	47.0		71.5		183		144		121		79.2		188		461	
Cyanide																

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY (cont.)

CASE NO. 9300.358
SDG NO. MW-04S

All results reported in ug/L

Parameters - Inorganics	MW-9D	Q	MW04SD	Q	RBLANK	Q
Aluminum	780		808		6.3	U
Antimony						
Arsenic						
Barium	42.7	B	149	B		
Beryllium						
Cadmium						
Calcium	1080000		130000			
Chromium						
Cobalt						
Copper	2.1	B	3.3	B		
Iron	557		1440		11.5	B
Lead			1.5	B		
Magnesium	215000		46400			
Manganese	33.9		38.6			
Mercury						
Nickel						
Potassium	76600		1460	B		
Selenium						
Silver						
Sodium	5290000		63300		546	B
Thallium	1.6	U			2.2	B
Vanadium						
Zinc	2.3	U	41.6			
Cyanide						

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY

CASE NO. 9203.166

All results reported in ug/L

Parameters - Inorganics	MH-01	Q	MH-02	Q	QW1	Q	SW-1	Q	SW-2	Q	SW-3	Q	SW-3D	Q
Aluminum	334	J	558	J	92.2	U	1230	J	128	U	158	J	157	J
Antimony														
Arsenic	1.9	B							1.6	B				
Barium	40.2	B	81.3	B	51.6	B	89.7	B	89.7	B	50.3	B	51.9	B
Beryllium														
Cadmium														
Calcium	69600		80200		86600		128000		101000		90800		89200	
Chromium	8.3	B												
Cobalt														
Copper	63.1		120				11.3	B	9.0	B				
Iron	765		2790		46.4	U	967		805		253		216	
Lead	16.3		16.0				11.8		1.9	B	3.0	B	1.8	B
Magnesium	16500		20500		27700		19100		30000		24900		24600	
Manganese	55.9		141		9.4	B	96.3		600		52.3		32.3	
Mercury		UJ	3.4	J		UJ	0.33	J		UJ		UJ		UJ
Nickel	57.1		9.3	B										
Potassium	10800		12600		3790	B	3390	B	3700	B	2510	B	2460	B
Selenium	1.5	J	2.1	J	1.6	J		UJ		UJ		UJ		UJ
Silver			24.9											
Sodium	269000		48800		56600		533000		160000		158000		159000	
Thallium														
Vanadium														
Zinc	163		214		3.4	U	52.2		260		15.9	U	11.6	U
Cyanide	10.0	J		UJ		UJ		UJ		UJ		UJ		UJ

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY (cont.)

CASE NO. 9203.166

All results reported in ug/L

Parameters - Inorganics	SW4	Q	SW-5	Q	SW6	Q
Aluminum	201	J	175	J	318	J
Antimony						
Arsenic						
Barium	41.9	B	43.4	B	41.8	B
Beryllium						
Cadmium						
Calcium	82800		83700		81200	
Chromium						
Cobalt						
Copper						
Iron	329		275		346	
Lead					11.1	
Magnesium	19000		19300		18700	
Manganese	46.1		45.3		45.6	
Mercury		UJ		UJ		UJ
Nickel						
Potassium	2840	B	2890	B	2810	B
Selenium	1.4	J	1.7	J	1.8	J
Silver						
Sodium	46900		49200		52100	
Thallium						
Vanadium						
Zinc	8.4	U	17.2	U	10.1	U
Cyanide		UJ		UJ		UJ

DEARCOP FARM SITE

INORGANICS/SOIL - DATA SUMMARY

CASE NO. 9300.428

All results reported in mg/Kg

Parameters - Inorganics	MW6D	Q
Aluminum	3320	
Antimony		
Arsenic	6.1	J
Barium	391	J
Beryllium		
Cadmium	4.6	
Calcium	3770	
Chromium	33.5	J
Cobalt	16.7	
Copper	294	
Iron	25900	J
Lead	904	
Magnesium	1700	
Manganese	726	
Mercury		
Nickel	44.7	
Potassium	402	B
Selenium		UJ
Silver	14.1	J
Sodium	465	B
Thallium		
Vanadium	5.4	B
Zinc	672	J
Cyanide		UJ

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY

CASE NO. 9300.559

All results reported in ug/L

Parameters - Inorganics	MW-9DR	Q	MW10DR	Q	RIN9DR	Q
Aluminum	432		1920		12.4	B
Antimony						
Arsenic	1.1	B	1.9	B		
Barium	26.7	B	26.3	B		
Beryllium						
Cadmium						
Calcium	711000	X	411000	X		
Chromium			7.0	B		
Cobalt						
Copper			10.8	B		
Iron	317		4890		23.2	B
Lead						
Magnesium	138000	X	143000	X		
Manganese	17.5		89.7			
Mercury						
Nickel						
Potassium	43600		31100			
Selenium	13.2	B				
Silver						
Sodium	2410000	X	820000	X		
Thallium						
Vanadium			4.8	B		
Zinc	109	J	219	J	4.8	U
Cyanide	24.0					

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY

CASE NO. 9300.586

All results reported in ug/L

Parameters - Inorganics	DR-3	Q	MW-2DN	Q	MW-3D	Q	MW-6D	Q	MW-6S	Q	MW-6SD	Q	MW-8SR	Q	MWDR2	Q	MW10SR	Q
Aluminum	1750		282		195	B	275		316		2850		1460		158	B	487	
Antimony																		
Arsenic	10	B	4.2	B	1.3	B			5.6	B	6.7	B	1.8	B	4.3	B	7.0	B
Barium	43.6	B							264		293		65.0	B	95.6	B	280	
Beryllium																		
Cadmium	19.0										2.2	B						
Calcium	356000		692000		190000		247000		54800		81200		200000		141000		66400	
Chromium	101				12.0						11.2		14.4					
Cobalt	50.4										7.2	B						
Copper	341		3.3	U	6.0	U	5.0	U	3.7	U	14.5	U	10.0	U	4.8	U	3.7	U
Iron	170000		170		1210		421		2080		6820		7460		5370		3020	
Lead	68.0						1.3	B	1.1	B	4.7		5.8		5.7			
Magnesium	99000		203000		57100		83300		38500		46100		60600		66000		32500	
Manganese	771	J	12.6	U	42.7	U	26.0	U	206	J	363	J	197	J	66.0	U	51.8	U
Mercury																		
Nickel	142												9.0	B	10.5	B		
Potassium	19900		47500		11900		23300		7160		8040		5590		3530	B	2790	B
Selenium													1.1	B			1.1	B
Silver																		
Sodium	446000		2290000		106000		565000		366000		391000		145000		274000		275000	
Thallium									2.4	B								
Vanadium													4.7	B			48.0	B
Zinc	1690		11.7	U	23.4	U	16.8	U	15.5	U	32.2	U	20.2	U	2.1	U	14.0	U
Cyanide									67.0		17.0							

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY

CASE NO. 9300.706

All results reported in ug/L

Parameters - Inorganics	MH-3	Q	MH-4	Q	MW-5D	Q
Aluminum	132	U	504	J	1390	J
Antimony						
Arsenic		UJ		UJ	1.3	J
Barium	51.0	B	90.9	B	22.0	B
Beryllium						
Cadmium					7.7	
Calcium	103000		93100		230000	
Chromium					31.8	U
Cobalt						
Copper	22.8	B	96.4		23.5	B
Iron	395		1760		3090	
Lead	1.8	B	6.5		9.7	
Magnesium	24100		24100		64600	
Manganese	76.5		190		114	
Mercury			3.2			
Nickel			11.7	B	25.1	B
Potassium	4770	B	10500		18700	
Selenium		UJ		UJ		UJ
Silver			26.8			
Sodium	118000		76100		482000	
Thallium						
Vanadium			4.8	B	5.5	B
Zinc	40.5		129		251	
Cyanide		UJ		UJ		UJ

DEARCOP FARM SITE

INORGANICS/WATER - DATA SUMMARY

CASE NO. 9300.871

All results reported in ug/L

Parameters - Inorganics	DR-1	Q
Aluminum	886	J
Antimony		
Arsenic	6.3	B
Barium	23.8	B
Beryllium		
Cadmium		
Calcium	37900	
Chromium		
Cobalt		
Copper	4.2	B
Iron	1920	
Lead	2.2	B
Magnesium	10200	
Manganese	27.4	
Mercury		
Nickel		
Potassium	3190	B
Selenium		
Silver		
Sodium	20000	
Thallium		
Vanadium		
Zinc	139	J
Cyanide		

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55829.03	SS-1	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/22/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Kathleen M. Murphy
12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/22/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST _____
DATE APPROVED 12/31/82

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55831.03	SS-3	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	10.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	90.0	%

ASBESTOS PRESENT? NO
 TOTAL ASBESTOS PRESENT: ND
 DATE COLLECTED : 12/01/92
 DATE RECEIVED : 12/01/92
 DATE ANALYZED : 12/22/92
 ANALYST : 2259
 LOCATION : on site
 DESCRIPTION: black, non-fibrous, heterogeneous

SUPERVISING ANALYST
 DATE APPROVED

K. H. Mungala
 12/21/92

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55832.03	SS-4	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
 TOTAL ASBESTOS PRESENT: ND
 DATE COLLECTED : 12/01/92
 DATE RECEIVED : 12/01/92
 DATE ANALYZED : 12/23/92
 ANALYST : 2259
 LOCATION : on site
 DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST
 DATE APPROVED

Kathleen M. Mangel
 12/31/92

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55833.03	SS-5	Chrysotile	1.0	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? YES
TOTAL ASBESTOS PRESENT: 1.0
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/23/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST

DATE APPROVED

EXPLANATION OF DATA FLAGS:

ND - NOT DETECTED

TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55834.03	SS-6	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/23/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

K. H. H. Murphy
12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55835.03	SS-7	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/23/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: light brown, non-fibrous, homogeneous

SUPERVISING ANALYST *[Signature]*
DATE APPROVED 12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55836.03	SS-7D	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/23/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: light brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

[Signature]
12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : 0B-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55837.03	SS-8	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/29/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: light brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Kathleen Murphy
12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55838.03	SS-9	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/29/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST

DATE APPROVED

Kathleen Murphy
12/31/92

EXPLANATION OF DATA FLAGS:

ND - NOT DETECTED

TR - TRACE

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
-----	-----	-----	-----	-----
55839.03	SS-10	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	2.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	98.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/30/92
ANALYST : 2259
LOCATION : on site
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST

DATE APPROVED

EXPLANATION OF DATA FLAGS:

ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55840.03	SS-11	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	5.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	95.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/29/92
ANALYST : 2728
LOCATION : on site
DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST Kathleen Murphy
DATE APPROVED 12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55841.03	SS-12	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	5.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	95.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/29/92
ANALYST : 2728
LOCATION : on site
DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST Kathleen Murphy
DATE APPROVED 12/21/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : 0B-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
-----	-----	-----	-----	-----
55842.03	SS-13	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	5.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	95.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/29/92
ANALYST : 2728
LOCATION : on site
DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Kathleen Murphy
12/21/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55843.03	SS-13D	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	5.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	95.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/29/92
ANALYST : 2728
LOCATION : on site
DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST K. H. Lee
DATE APPROVED 12/3/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55844.03	SS-14	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	5.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	95.0	%

ASBESTOS PRESENT? NO
 TOTAL ASBESTOS PRESENT: ND
 DATE COLLECTED : 12/01/92
 DATE RECEIVED : 12/01/92
 DATE ANALYZED : 12/29/92
 ANALYST : 2728
 LOCATION : on site
 DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST Kathleen M. Mangel
 DATE APPROVED 12/31/92

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55845.03	SS-15	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	3.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	97.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/30/92
ANALYST : 2728
LOCATION : on site
DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST Kathleen Murphy
DATE APPROVED 12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
-----	-----	-----	-----	-----
55846.03	SS-16	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	5.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	95.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/30/92
ANALYST : 2728
LOCATION : on site
DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST *Kenneth M. Murphy*
DATE APPROVED 12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55847.03	SS-17	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	2.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	98.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/30/92
ANALYST : 2728
LOCATION : on site
DESCRIPTION: blue, fibrous, homogeneous

SUPERVISING ANALYST *K. H. L. Murphy*
DATE APPROVED 12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OR-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.112

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
55848.03	SS-18	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	10.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	90.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/30/92
ANALYST : 2728
LOCATION : on site
DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Arthur Murphy
12/31/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.138

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56020.03	SS-19	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/01/92
DATE RECEIVED : 12/01/92
DATE ANALYZED : 12/08/92
ANALYST : 2259
LOCATION : SS-19
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Gay H
1-7-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.138

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56021.03	SS-20	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	10.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	90.0	%

ASBESTOS PRESENT? NO

TOTAL ASBESTOS PRESENT: ND

DATE COLLECTED : 12/01/92

DATE RECEIVED : 12/01/92

DATE ANALYZED : 12/08/92

ANALYST : 2259

LOCATION : SS-20

DESCRIPTION: brown, green, non-fibrous, heterogeneous

SUPERVISING ANALYST

DATE APPROVED

EXPLANATION OF DATA FLAGS:

ND - NOT DETECTED

TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9300.238

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
59363.03	MW1D (7'TO 9')	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 02/02/93
DATE RECEIVED : 02/03/93
DATE ANALYZED : 02/10/93
ANALYST : 2259
LOCATION : MW1D (7' to 9')
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST

DATE APPROVED

Gary Hahn
3-4-93

EXPLANATION OF DATA FLAGS:

ND - NOT DETECTED

TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9300.238

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
59364.03	MW1D (7'TO 9')D	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 02/03/93
DATE RECEIVED : 02/03/93
DATE ANALYZED : 02/10/93
ANALYST : 2259
LOCATION : MW1D (7' to 9')D
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Gay Hoken
3-4-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.217

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56636.03	MW2D-(6.0 - 7.2)	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/09/92
DATE RECEIVED : 12/10/92
DATE ANALYZED : 12/31/92
ANALYST : 2259
LOCATION : MW2D-(6.0 - 7.2)
DESCRIPTION: light brown, non-fibrous, homogeneous

SUPERVISING ANALYST *Gary J. L...*
DATE APPROVED 1-15-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : 0B-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.240

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56731.03	MW 3D(7.0-8.0)	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/15/92
DATE RECEIVED : 12/15/92
DATE ANALYZED : 12/31/92
ANALYST : 2259
LOCATION : MW3D, 7.0-8.0
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST

DATE APPROVED

J. Lang Hsu
1-25-93

EXPLANATION OF DATA FLAGS:

ND - NOT DETECTED

TR - TRACE

ECOLOGY AND ENVIRONMENT. INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9300.005

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
57733.03	MW-4S	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	5.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	95.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 01/04/93
DATE RECEIVED : 01/04/93
DATE ANALYZED : 01/11/93
ANALYST : 2728
LOCATION : MW-4S
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Gary Hahn
2-2-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.299

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
57251.03	MW-5D (8.0-10.0)	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/18/92
DATE RECEIVED : 12/18/92
DATE ANALYZED : 01/12/93
ANALYST : 2728
LOCATION : MW5D, 8.0-10.0
DESCRIPTION: beige, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Harry H. H.
12-25-92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9300.428

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
60811.03	MW6D (8'-10')	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 03/02/93
DATE RECEIVED : 03/03/93
DATE ANALYZED : 03/25/93
ANALYST : 2259
LOCATION :
DESCRIPTION: black, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

May 1/93
4-1-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9300.021

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
57814.03	MW-8S	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	3.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	97.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 01/06/93
DATE RECEIVED : 01/06/93
DATE ANALYZED : 01/11/93
ANALYST : 2728
LOCATION : MW-8S subsurface soil
DESCRIPTION: beige, fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Gay Hahn
2-3-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.312

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
57343.03	MW-9S (11-13')	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/22/92
DATE RECEIVED : 12/22/92
DATE ANALYZED : 12/31/92
ANALYST : 2259
LOCATION : MW-9S (11-13')
DESCRIPTION: light brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

[Signature]
[Signature]

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9300.133

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
58736.03	MW10D (12'-14')	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 01/19/93
DATE RECEIVED : 01/20/93
DATE ANALYZED : 01/21/93
ANALYST : 2259
LOCATION :
DESCRIPTION: dark brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Yang H. K.
2-22-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : 0B-5000 NYSDEC - DEARCOP
JOB NUMBER: 9202.923

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
53703.03	TP-1A (8 FT.)	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 11/05/92
DATE RECEIVED : 11/05/92
DATE ANALYZED : 11/11/92
ANALYST : 2259
LOCATION : TP-1A (8 ft.)
DESCRIPTION: black, non-fibrous, homogeneous

SUPERVISING ANALYST Kathleen Murphy
DATE APPROVED 12/15/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : QB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9202.923

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
53704.03	TP-1B (12.5 FT.)	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
 TOTAL ASBESTOS PRESENT: ND
 DATE COLLECTED : 11/05/92
 DATE RECEIVED : 11/05/92
 DATE ANALYZED : 11/11/92
 ANALYST : 2259
 LOCATION : TP-1B (12.5 ft.)
 DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST *Kathleen M. Murphy*
 DATE APPROVED *2/12/93*

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9202.923

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
53705.03	TP-2A (3 FT.)	Chrysotile	TR	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? YES
TOTAL ASBESTOS PRESENT: TR
DATE COLLECTED : 11/05/92
DATE RECEIVED : 11/05/92
DATE ANALYZED : 11/12/92
ANALYST : 2259
LOCATION : TP-2A (3 ft.)
DESCRIPTION: brown, blue, non-fibrous, homogeneous

SUPERVISING ANALYST Kathleen Mungley
DATE APPROVED 12/5/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : 08-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9202.923

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
53707.03	TP-2B (11 FT.)	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
 TOTAL ASBESTOS PRESENT: ND
 DATE COLLECTED : 11/05/92
 DATE RECEIVED : 11/05/92
 DATE ANALYZED : 11/12/92
 ANALYST : 2259
 LOCATION : TP-2B (11 ft.)
 DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST *Kathleen M. ...*
 DATE APPROVED *11/21/92*

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9202.923

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
53708.03	TP-2C (6 FT.)	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 11/05/92
DATE RECEIVED : 11/05/92
DATE ANALYZED : 11/09/92
ANALYST : 2259
LOCATION : TP-2C (6 ft.)
DESCRIPTION: black, non-fibrous, homogeneous

SUPERVISING ANALYST Kathleen R. Murphy
DATE APPROVED 12/8/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9203.153

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56096.03	TP-3A	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
 TOTAL ASBESTOS PRESENT: ND
 DATE COLLECTED : 12/04/92
 DATE RECEIVED : 12/04/92
 DATE ANALYZED : 12/29/92
 ANALYST : 2259
 LOCATION : TP - 3A [5']
 DESCRIPTION: brown, orange, non-fibrous, homogeneous

SUPERVISING ANALYST
 DATE APPROVED

[Signature]
 1-7-93

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.153

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56097.03	TP-3AD	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/04/92
DATE RECEIVED : 12/04/92
DATE ANALYZED : 12/29/92
ANALYST : 2259
LOCATION : TP - 3AD [5']
DESCRIPTION: brown, orange, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.153

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56098.03	TP-3B	Chrysotile	TR	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? YES
TOTAL ASBESTOS PRESENT: TR
DATE COLLECTED : 12/04/92
DATE RECEIVED : 12/04/92
DATE ANALYZED : 12/29/92
ANALYST : 2259
LOCATION : TP - 3B [11']
DESCRIPTION: beige, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

[Signature]
12 7 97

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.153

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56094.03	TP-4A	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/04/92
DATE RECEIVED : 12/04/92
DATE ANALYZED : 12/29/92
ANALYST : 2259
LOCATION : TP - 4A [4']
DESCRIPTION: black, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.153

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56095.03	TP-4B	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO

TOTAL ASBESTOS PRESENT: ND

DATE COLLECTED : 12/04/92

DATE RECEIVED : 12/04/92

DATE ANALYZED : 12/29/92

ANALYST : 2259

LOCATION : TP - 4B [9']

DESCRIPTION: light brown, non-fibrous, homogeneous

SUPERVISING ANALYST

DATE APPROVED

EXPLANATION OF DATA FLAGS:

ND - NOT DETECTED

TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.141

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56025.03	TP-5A [2FT]	Chrysotile	2.0	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	98.0	%

ASBESTOS PRESENT? YES
TOTAL ASBESTOS PRESENT: 2.0
DATE COLLECTED : 12/03/92
DATE RECEIVED : 12/03/92
DATE ANALYZED : 12/09/92
ANALYST : 2259
LOCATION : TP-5A [2']
DESCRIPTION: black, blue, colorless, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

[Signature]

1-7-97

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.141

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56026.03	TP-5B [7.5FT]	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	25.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	75.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/03/92
DATE RECEIVED : 12/03/92
DATE ANALYZED : 12/10/92
ANALYST : 2259
LOCATION : TP-5B [7.5']
DESCRIPTION: light brown, non-fibrous, homogeneous

SUPERVISING ANALYST

DATE APPROVED

EXPLANATION OF DATA FLAGS:

ND - NOT DETECTED

TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.141

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56027.03	TP-5C [11FT]	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	100.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/03/92
DATE RECEIVED : 12/03/92
DATE ANALYZED : 12/10/92
ANALYST : 2259
LOCATION : TP-5C [11']
DESCRIPTION: light brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

[Signature]
12/92

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9203.141

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56028.03	TP-6A [6FT NW]	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
 TOTAL ASBESTOS PRESENT: ND
 DATE COLLECTED : 12/03/92
 DATE RECEIVED : 12/03/92
 DATE ANALYZED : 12/16/92
 ANALYST : 2259
 LOCATION : TP-6A [6'NW]
 DESCRIPTION: brown, white, black, non-fibrous, homogeneous

SUPERVISING ANALYST
 DATE APPROVED

Sayth
 1-7-97

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9203.141

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56029.03	TP-6B [6FT NW]	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 12/03/92
DATE RECEIVED : 12/03/92
DATE ANALYZED : 12/16/92
ANALYST : 2259
LOCATION : TP-6B [6'SE]
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Ray / m

1-7-97

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9203.153

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56099.03	TP-7A	Chrysotile	1.5	%
		Amosite	< 1.0	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	ND	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	98.5	%

ASBESTOS PRESENT? YES
 TOTAL ASBESTOS PRESENT: 1.5
 DATE COLLECTED : 12/04/92
 DATE RECEIVED : 12/04/92
 DATE ANALYZED : 12/29/92
 ANALYST : 2259
 LOCATION : TP - 7A [6']
 DESCRIPTION: dark brown, non-fibrous, homogeneous

SUPERVISING ANALYST _____
 DATE APPROVED _____

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9203.153

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
56100.03	TP-7B	Chrysotile	1.8	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	4.5	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	93.7	%

ASBESTOS PRESENT? YES
 TOTAL ASBESTOS PRESENT: 1.8
 DATE COLLECTED : 12/04/92
 DATE RECEIVED : 12/04/92
 DATE ANALYZED : 12/29/92
 ANALYST : 2259
 LOCATION : TP - 7B [13']
 DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST _____
 DATE APPROVED _____

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
 JOB NUMBER: 9300.005

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
57734.03	BH-93	Chrysotile	6.5	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	3.2	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	90.3	%

ASBESTOS PRESENT? YES
 TOTAL ASBESTOS PRESENT: 6.5
 DATE COLLECTED : 01/04/93
 DATE RECEIVED : 01/04/93
 DATE ANALYZED : 01/11/93
 ANALYST : 2728
 LOCATION : BH-93
 DESCRIPTION: brown, white, fibrous, homogeneous

SUPERVISING ANALYST Gary Hahn
 DATE APPROVED 2.3.1993

EXPLANATION OF DATA FLAGS:
 ND - NOT DETECTED
 TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9300.010

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
57747.03	BH-206D	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	1.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	ND	%
		Non-fibrous Matter	99.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 01/05/93
DATE RECEIVED : 01/05/93
DATE ANALYZED : 01/12/93
ANALYST : 2728
LOCATION : BH-206D, 2-4 ft., 206 Dearcop subsurface soil
DESCRIPTION: brown, non-fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Gary Hahn
2-31-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

ECOLOGY AND ENVIRONMENT, INC.

CLIENT : OB-5000 NYSDEC - DEARCOP
JOB NUMBER: 9300.021

SAMPLE ID	Client Sample ID	Fiber Type	Results	Units
57813.03	BH-33V	Chrysotile	ND	%
		Amosite	ND	%
		Crocidolite	ND	%
		Anthophyllite	ND	%
		Tremolite	ND	%
		Actinolite	ND	%
		Cellulose	5.0	%
		Fibrous Glass	ND	%
		Synthetic Fibers	ND	%
		Other Fibers	1.0	%
		Non-fibrous Matter	94.0	%

ASBESTOS PRESENT? NO
TOTAL ASBESTOS PRESENT: ND
DATE COLLECTED : 01/06/93
DATE RECEIVED : 01/06/93
DATE ANALYZED : 01/11/93
ANALYST : 2728
LOCATION : 33 Varian subsurface soil
DESCRIPTION: brown, fibrous, homogeneous

SUPERVISING ANALYST
DATE APPROVED

Mary H. H.
2-13-93

EXPLANATION OF DATA FLAGS:
ND - NOT DETECTED
TR - TRACE

TEST CODE :ASULFD1

JOB NUMBER :9300.191

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SULFIDE

UNITS : MG/M3

PARAMETER : Sulfide

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-93-58990 WG-MW8D-92-TD	720	-	0.20
EE-93-58991 WG-MW10D-92-TD	320	-	0.20
EE-93-58992 WG-MWFB-OTD	4.0	-	0.20

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

B = ALSO PRESENT IN BLANK

L = PRESENT BELOW STATED QNT. LIMIT

NA = NOT APPLICABLE



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International Specialists in the Environment

LABORATORY REPORT

FOR

NYSDEC - DEARCOP

JOB NO.: 9300.165

RE: 0B5020

SAMPLE DATE: 1/26/93

SAMPLE TYPE: Air Bag

DATE RECEIVED: 1/26/93

SAMPLED BY: E & E, Inc.

E & E Lab No. 93-

58856

Sample Identity

WG-MW4D-95TD

Results in: % of total observed

Petroleum hydrocarbons
C₃-C₈

99

Chlorinated organics

<0.1

BTEX compounds

<0.1*

Analytical References: "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-600/4, June 1988.

* = Trace levels of these compounds observed (estimated total levels <50 mg/m³).

Supervising Analyst:

Gary Hall / PH

Date:

1/28/93



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LABORATORY REPORT

FOR

NYSDEC - DEARCOP

JOB NO.: 9300.191

RE: OB5000

SAMPLE DATE: 1/28/93

SAMPLE TYPE: Air Bag

DATE RECEIVED: 1/28/93

SAMPLED BY: E & E, Inc.

E & E Lab No. 93-

58990

Sample Identity

WG-MV8D-92-TD

Results in: % of total observed

Petroleum hydrocarbons

99

C₃-C₈

Chlorinated organics+

<0.1*

BTEX compounds

<0.1*

Analytical References: "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-600/4, June 1988.

+ = Chlorinated organics observed included dichloroethane, dichloroethenes, 1,1,1-trichloroethane and trichloroethene.

* = Trace levels of these compounds observed (estimated total levels <200 mg/m³).

Supervising Analyst:

Date:



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LABORATORY REPORT

FOR

NYSDEC - DEARCOP

JOB NO.: 9300.191

RE: OB5000

SAMPLE DATE: 1/28/93

SAMPLE TYPE: Air Bag

DATE RECEIVED: 1/28/93

SAMPLED BY: E & E, Inc.

E & E Lab No. 93-

58991

Sample Identity

WG-MW10D-92-TD

Results in: % of total observed

Petroleum hydrocarbons 99
C₃-C₈

Chlorinated organics <0.1

BTEX compounds <0.1*

Analytical References: "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-600/4, June 1988.

* = Trace levels of these compounds observed (estimated total levels <200 mg/m³).

Supervising Analyst:

Laurel H. H. H.

Date:

2/2/93



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LABORATORY REPORT

FOR

NYSDEC - DEARCOP

JOB NO.: 9300.191

RE: OB5000

SAMPLE DATE: 1/28/93

SAMPLE TYPE: Air Bag

DATE RECEIVED: 1/28/93

SAMPLED BY: E & E, Inc.

E & E Lab No. 93-

58992

Sample Identity

WG-MWFB-OTD

Results in: % of total observed

Petroleum hydrocarbons

ND

C₃-C₈

Chlorinated organics

ND

BTEX compounds

ND

Analytical References: "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-600/4, June 1988.

ND = None detected.

Supervising Analyst:

Christopher

Date:

2/2/93

TEST CODE :STOC 1

JOB NUMBER :9300.428

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : TOC

UNITS : MG/KG

PARAMETER : Total Organic Carbon

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-93-60811			
MW6D (8'-10')	32000		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :STOC 1

JOB NUMBER :9300.021

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : TOC

UNITS : MG/KG

PARAMETER : Total Organic Carbon

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-93-57814			
MW-8S	2600		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :STOC 1

JOB NUMBER :9203.165

ELAP ID : 10486

Ecology and Environment, Inc.

Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : TOC

UNITS : MG/KG

PARAMETER : Total Organic Carbon

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-92-56270 SED-1	110000		100
EE-92-56271 SED-2	21000		100
EE-92-56272 SED-3	22000		100
EE-92-56273 SED-3D	26000		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :STOC 1

JOB NUMBER :9203.182

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : TOC

UNITS : MG/KG

PARAMETER : Total Organic Carbon

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-92-56402 SED-4	52000		100
EE-92-56403 SED-5	26000		100
EE-92-56404 SED-6	39000		100

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE : STSCLP1

JOB NUMBER : 9203.112

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS - TOTAL

UNITS : %

PARAMETER : SOLIDS - TOTAL

SAMPLE ID	RESULTS	Q
EE-92-55829		
SS-1	74	
EE-92-55830		
SS-2	74	
EE-92-55831		
SS-3	50	
EE-92-55832		
SS-4	85	
EE-92-55833		
SS-5	90	
EE-92-55834		
SS-6	80	
EE-92-55835		
SS-7	86	
EE-92-55836		
SS-7D	86	
EE-92-55837		
SS-8	87	
EE-92-55838		
SS-9	82	
EE-92-55839		
SS-10	89	
EE-92-55840		
SS-11	87	
EE-92-55841		
SS-12	88	

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

B = ALSO PRESENT IN BLANK

L = PRESENT BELOW STATED QNT. LIMIT

TEST CODE :STSCLP1

JOB NUMBER :9203.112

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS - TOTAL

UNITS : %

PARAMETER : SOLIDS - TOTAL

SAMPLE ID	RESULTS	Q
EE-92-55842		
SS-13	92	
EE-92-55843		
SS-13D	89	
EE-92-55844		
SS-14	87	
EE-92-55845		
SS-15	88	
EE-92-55846		
SS-16	74	
EE-92-55847		
SS-17	83	
EE-92-55848		
SS-18	90	

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

B = ALSO PRESENT IN BLANK

L = PRESENT BELOW STATED QNT. LIMIT

TEST CODE :STSCLP1

JOB NUMBER :9203.138

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS - TOTAL

UNITS : %

PARAMETER : SOLIDS - TOTAL

SAMPLE ID	RESULTS	Q

EE-92-56020		

SS-19	88	

EE-92-56021		

SS-20	77	

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

B = ALSO PRESENT IN BLANK

L = PRESENT BELOW STATED QNT. LIMIT

TEST CODE : STSCLP1

JOB NUMBER : 9203.153

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS - TOTAL

UNITS : %

PARAMETER : SOLIDS - TOTAL

SAMPLE ID	RESULTS	Q
EE-92-56094		
TP-4A	88	
EE-92-56095		
TP-4B	90	
EE-92-56096		
TP-3A	89	
EE-92-56097		
TP-3AD	87	
EE-92-56098		
TP-3B	89	
EE-92-56099		
TP-7A	84	
EE-92-56100		
TP-7B	78	

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT

TEST CODE :STSCLP1

JOB NUMBER :9203.141

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS - TOTAL

UNITS : %

PARAMETER : SOLIDS - TOTAL

SAMPLE ID	RESULTS	Q
EE-92-56025		
TP-5A [2FT]	100	
EE-92-56026		
TP-5B [7.5FT]	89	
EE-92-56027		
TP-5C [11FT]	89	
EE-92-56028		
TP-6A [6FT NW]	80	
EE-92-56029		
TP-6B [6FT NW]	87	

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT

TEST CODE : STSCLP1

JOB NUMBER : 9203.217

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-500Q NYSDEC - DEARCOP

TEST NAME : SOLIDS - TOTAL

UNITS : %

PARAMETER : SOLIDS - TOTAL

SAMPLE ID	RESULTS	Q
EE-92-56636		
MW2D-(6.0 - 7.2)	89	

QUALIFIERS: C = COMMENT ND = NOT DETECTED
 J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
 L = PRESENT BELOW STATED QNT. LIMIT

TEST CODE :STSCLP1

JOB NUMBER :9203.165

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS - TOTAL

UNITS : %

PARAMETER : SOLIDS - TOTAL

SAMPLE ID	RESULTS	Q

EE-92-56270

SED-1

63

EE-92-56271

SED-2

81

EE-92-56272

SED-3

76

EE-92-56273

SED-3D

76

QUALIFIERS: C = COMMENT

ND = NOT DETECTED

J = ESTIMATED VALUE

B = ALSO PRESENT IN BLANK

L = PRESENT BELOW STATED QNT. LIMIT

TEST CODE : STSCLP1

JOB NUMBER : 9203.182

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS - TOTAL

UNITS : %

PARAMETER : SOLIDS - TOTAL

SAMPLE ID	RESULTS	Q
EE-92-56402		
SED-4	61	
EE-92-56403		
SED-5	57	
EE-92-56404		
SED-6	58	

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT

missing Pest/PCBS

TEST CODE :WALK 1

JOB NUMBER :9203.166

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : ALKALINITY TOTAL

UNITS : MG/L CAC03

PARAMETER : Alkalinity Total

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-92-56274 SW-1	490		1.0
EE-92-56275 SW-2	480		1.0
EE-92-56276 SW-3	260		1.0
EE-92-56277 SW-3D	270		1.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :WALK 1

JOB NUMBER :9203.182

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : ALKALINITY TOTAL

UNITS : MG/L CAC03

PARAMETER : Alkalinity Total

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-92-56397 SW4	170		1.0
EE-92-56398 SW5	180		1.0
EE-92-56399 SW6	180		1.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :WALK 1

JOB NUMBER :9203.166

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : ALKALINITY TOTAL

UNITS : MG/L CAC03

PARAMETER : Alkalinity Total

SAMPLE ID	RESULTS	Q	QNT. LIMIT
METHOD BLANK (12/16/92)	ND	-	1.0
METHOD BLANK (12/17/92)	ND		1.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :WHARD 1

JOB NUMBER :9203.166

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : TOTAL HARDNESS

UNITS : MG/L CAC03

PARAMETER : Total Hardness

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-92-56274 SW-1	400		1.0
EE-92-56275 SW-2	360		1.0
EE-92-56276 SW-3	310		1.0
EE-92-56277 SW-3D	270		1.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :WHARD 1

JOB NUMBER :9203.182

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : TOTAL HARDNESS

UNITS : MG/L CAC03

PARAMETER : Total Hardness

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-92-56397 SW4	270		1.0
EE-92-56398 SW5	260		1.0
EE-92-56399 SW6	260		1.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :WHARD 1

JOB NUMBER :9203.166

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : TOTAL HARDNESS

UNITS : MG/L CAC03

PARAMETER : Total Hardness

SAMPLE ID	RESULTS	Q	QNT. LIMIT
DI BLANK (12/21/92)	ND	-	1.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :WTSS 1

JOB NUMBER :9203.166

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS SUSPENDED

UNITS : MG/L

PARAMETER : Total Suspended Solids

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-92-56274 SW-1	180		4.0
EE-92-56275 SW-2	3900		4.0
EE-92-56276 SW-3	6.0		4.0
EE-92-56277 SW-3D	ND		4.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE
L = PRESENT BELOW STATED QNT. LIMIT

TEST CODE :WTSS 1

JOB NUMBER :9203.182

ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS SUSPENDED

UNITS : MG/L

PARAMETER : Total Suspended Solids

SAMPLE ID	RESULTS	Q	QNT. LIMIT
EE-92-56397 SW4	ND	-	4.0
EE-92-56398 SW5	ND	-	4.0
EE-92-56399 SW6	17	-	4.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE

TEST CODE :WTSS 1

JOB NUMBER :9203.166

ELAP ID : 10486

Ecology and Environment, Inc.

Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

TEST NAME : SOLIDS SUSPENDED

UNITS : MG/L

PARAMETER : Total Suspended Solids

SAMPLE ID	RESULTS	Q	QNT. LIMIT
METHOD BLANK (12/09/92)	ND	-	4.0
METHOD BLANK (12/11/92)	ND		4.0

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
L = PRESENT BELOW STATED QNT. LIMIT
NA = NOT APPLICABLE
L = PRESENT BELOW STATED QNT. LIMIT

REGULATED TCLP METALS

SAMPLE NO.

SAMPLE RESULTS

MW1D

Lab Name: ECOLOGY AND ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 9300.238 SAS No.: SDG No.: MW1D

Matrix (soil/water): WATER Lab Sample ID: 59363

Level (low/med): LOW Date Received: 02/03/93

Solids: 0.0

Concentration Units (mg/L): MG/L

[illegible]

Color Before: CL Clarity Before: C Texture: _____

Color After: CL _____ Clarity After: C _____ Artifacts: _____

omments:

THIS SAMPLE IS A TCLP EXTRACT

SAMPLE NO.

MW1DD

Solids: 0.0

[illegible]

THIS SAMPLE IS A TCLP EXTRACT _____

Results of Analysis of TCLP Extracts Job Number :9300.021
 ELAP ID : 10486

Ecology and Environment, Inc.
 Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP
 SAMPLE ID LAB :EE-93-57814
 SAMPLE ID CLIENT: MW-8S

MATRIX: SOLID
 UNITS : MG/L

PARAMETER	RESULTS	Q	QUANTITATION LIMIT	REGULATORY LEVEL
Pentachlorophenol	ND	-	0.50	100
2,4,5-Trichlorophenol	ND		0.50	400
2,4,6-Trichlorophenol	ND		0.10	2.0
2-Methyl phenol	ND		0.10	200
3-Methyl phenol & 4-Methyl phenol (coelute)	ND		0.20	200
Hexachlorobenzene	ND		0.10	0.13
Hexachlorobutadiene	ND		0.10	0.50
Hexachloroethane	ND		0.10	3.0
Nitrobenzene	ND		0.10	2.0
1,4-Dichlorobenzene	ND		0.10	7.5
2,4-Dinitrotoluene	ND		0.10	0.13
Pyridine	ND		1.0	5.0
Benzene	ND		0.05	0.50
Carbon tetrachloride	ND		0.05	0.50
Chlorobenzene	ND		0.05	100
Chloroform	ND		0.05	6.0
1,2-Dichloroethane	ND		0.05	0.50
1,1-Dichloroethylene	ND		0.05	0.70
Methyl ethyl ketone	ND		0.10	200
Tetrachloroethylene	ND		0.05	0.70
Vinyl chloride	ND		0.10	0.20
Trichloroethylene	ND		0.05	0.50

 QUALIFIERS: C = COMMENT ND = NOT DETECTED
 J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
 L = PRESENT BELOW STATED QNT. LIMIT

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-8S

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EAND Case No.: 9300.021 SAS No.: _____ SDG No.: MW-8S

Matrix (soil/water): SOIL Lab Sample ID: 57814

Level (low/med): LOW Date Received: 01/06/93

Solids: NA

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	67.0	U		P
7440-39-3	Barium	773			P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.7	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	4.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	23.0	U		P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	20.0	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	74.0	U		P
7440-22-4	Silver	1.8	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL _____ Clarity After: C _____ Artifacts: _____

Comments:

THIS SAMPLE IS A TCLP EXTRACT

FORM I - IN

ILMO2.1

Results of Analysis of TCLP Extracts Job Number :9300.133
 ELAP ID : 10486

Ecology and Environment, Inc.
 Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP
 SAMPLE ID LAB :EE-93-58736
 SAMPLE ID CLIENT: MW10D (12'-14')

MATRIX: SOLID
 UNITS : MG/L

PARAMETER	RESULTS	Q	QUANTITATION LIMIT	REGULATORY LEVEL
Benzene	ND		0.050	0.50
Carbon tetrachloride	ND		0.050	0.50
Chlorobenzene	ND		0.050	100
Chloroform	ND		0.050	6.0
1,2-Dichloroethane	ND		0.050	0.50
1,1-Dichloroethylene	ND		0.050	0.70
Methyl ethyl ketone	ND		0.10	200
Tetrachloroethylene	ND		0.050	0.70
Vinyl chloride	ND		0.10	0.20
Trichloroethylene	ND		0.050	0.50
Hexachlorobenzene	ND		0.10	0.13
Hexachlorobutadiene	ND		0.10	0.50
Hexachloroethane	ND		0.10	3.0
Nitrobenzene	ND		0.10	2.0
1,4-Dichlorobenzene	ND		0.10	7.5
2,4-Dinitrotoluene	ND		0.10	0.13
Pyridine	ND		1.0	5.0
Pentachlorophenol	ND		0.50	100
2,4,5-Trichlorophenol	ND		0.50	400
2,4,6-Trichlorophenol	ND		0.10	2.0
2-Methyl phenol	ND		0.10	200
3-Methyl phenol & 4-Methyl phenol(coelute)	ND		0.20	200

 QUALIFIERS: C = COMMENT ND = NOT DETECTED
 J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
 L = PRESENT BELOW STATED QNT. LIMIT

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW10D

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 9300.133 SAS No.: _____ SDG No.: MW10D

Matrix (soil/water): SOIL Lab Sample ID: 58736

Level (low/med): LOW Date Received: 01/20/93

Solids: NA

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	67.0	U		P
7440-39-3	Barium	618			P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	4.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	24.7			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	20.0	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	74.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: CL Clarity Before: C Texture: _____

Color After: CL Clarity After: C Artifacts: _____

Comments:

THIS_SAMPLE_IS_A_TCLP_EXTRACT

FORM I - IN

ILMO2.1

102

C-294

Results of Analysis of TCLP Extracts Job Number :9202.923
 ELAP ID : 10486

Ecology and Environment, Inc.
 Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP
 SAMPLE ID LAB :EE-92-53703
 SAMPLE ID CLIENT: TP-1A (8 FT.)

MATRIX: SOLID
 UNITS : MG/L

PARAMETER	RESULTS	Q	QUANTITATION LIMIT	REGULATORY LEVEL
Pentachlorophenol	ND	-	0.50	100
2,4,5-Trichlorophenol	ND		0.50	400
2,4,6-Trichlorophenol	ND		0.10	2.0
2-Methyl phenol	ND		0.10	200
3-Methyl phenol	ND		0.10	200
4-Methyl phenol	ND		0.10	200
Hexachlorobenzene	ND		0.10	0.13
Hexachlorobutadiene	ND		0.10	0.50
Hexachloroethane	ND		0.10	3.0
Nitrobenzene	ND		0.10	2.0
1,4-Dichlorobenzene	ND		0.10	7.5
2,4-Dinitrotoluene	ND		0.10	0.13
Pyridine	ND		1.0	5.0
Benzene	ND		0.050	0.50
Carbon tetrachloride	ND		0.050	0.50
Chlorobenzene	ND		0.050	100
Chloroform	ND		0.050	6.0
1,2-Dichloroethane	ND		0.050	0.50
1,1-Dichloroethylene	ND		0.050	0.70
Methyl ethyl ketone	ND		0.10	200
Tetrachloroethylene	ND		0.050	0.70
Vinyl chloride	ND		0.10	0.20
Trichloroethylene	ND		0.050	0.50

 QUALIFIERS: C = COMMENT ND = NOT DETECTED
 J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
 L = PRESENT BELOW STATED QNT. LIMIT

Results of Analysis of TCLP Extracts Job Number :9202.923
 ELAP ID : 10486

Ecology and Environment, Inc.
 Analytical Services Center

CLIENT : OB-5000 NYSDEC - DEARCOP

SAMPLE ID LAB :EE-92-53705

MATRIX: SOLID

SAMPLE ID CLIENT: TP-2A (3 FT.)

UNITS : MG/L

PARAMETER	RESULTS	Q	QUANTITATION LIMIT	REGULATORY LEVEL
Pentachlorophenol	ND		0.50	100
2,4,5-Trichlorophenol	ND		0.50	400
2,4,6-Trichlorophenol	ND		0.10	2.0
2-Methyl phenol	ND		0.10	200
3-Methyl phenol	ND		0.10	200
4-Methyl phenol	ND		0.10	200
Hexachlorobenzene	ND		0.10	0.13
Hexachlorobutadiene	ND		0.10	0.50
Hexachloroethane	ND		0.10	3.0
Nitrobenzene	ND		0.10	2.0
1,4-Dichlorobenzene	ND		0.10	7.5
2,4-Dinitrotoluene	ND		0.10	0.13
Pyridine	ND		1.0	5.0
Benzene	ND		0.050	0.50
Carbon tetrachloride	ND		0.050	0.50
Chlorobenzene	ND		0.050	100
Chloroform	ND		0.050	6.0
1,2-Dichloroethane	ND		0.050	0.50
1,1-Dichloroethylene	ND		0.050	0.70
Methyl ethyl ketone	ND		0.10	200
Tetrachloroethylene	ND		0.050	0.70
Vinyl chloride	ND		0.10	0.20
Trichloroethylene	ND		0.050	0.50

 QUALIFIERS: C = COMMENT ND = NOT DETECTED
 J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
 L = PRESENT BELOW STATED QNT. LIMIT

REGULATED TCLP METALS

SAMPLE NO.

SAMPLE RESULTS

TP-2A

Lab Name: ECOLOGY AND ENVIRONMENT Contract: _____

Lab Code: EANDE_ Case No.: 9300.462 SAS No.: _____ SDG No.: TP-2A

Matrix (soil/water): WATER Lab Sample ID: 61015

Level (low/med): LOW__ Date Received: 11/05/93

% Solids: 0.0

Concentration Units (mg/L): MG/L

[illegible]

Chambers
710 p. 1/2

Color Before: CL_____ Clarity Before: C_____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

THIS_SAMPLE_IS_A_TCLP_EXTRACT

REGULATED TCLP METALS

SAMPLE NO.

SAMPLE RESULTS

TP5B

Lab Name: ECOLOGY AND ENVIRONMENT Contract: _____

Lab Code: EANDE Case No.: 9300.500 SAS No.: SDG No.: TP5B

Matrix (soil/water): WATER Lab Sample ID: 61237

Level (low/med): LOW__ Date Received: 12/03/92

% Solids: 0.0

Concentration Units (mg/L): MG/L_

[illegible]

Color Before: Y _____ Clarity Before: C _____ Texture: _____

Color After: Y _____ Clarity After: C _____ Artifacts: _____

Comments:

THIS SAMPLE IS A TCLP EXTRACT

REGULATED TCLP METALS

SAMPLE NO.

SAMPLE RESULTS

TP7A

Lab Name: ECOLOGY AND ENVIRONMENT Contract: _____

Lab Code: EANDE_ Case No.: 9300.500 SAS No.: _____ SDG No.: TP5B__

Matrix (soil/water): WATER Lab Sample ID: 61238

Level (low/med): LOW__ Date Received: 12/03/92

% Solids: 0.0

Concentration Units (mg/L): MG/L_

[illegible]

Color Before: CL Clarity Before: C Texture: _____

Color After: CL Clarity After: C Artifacts:

Comments:

THIS SAMPLE IS A TCLP EXTRACT

E = INDICATES CHEMICAL/PHYSICAL INTERFERENCE BASED ON RESULTS OF

SERIAL DILUTION ANALYSIS

REPORT OF ANALYSIS

18 NOVEMBER 1992

 **TELEDYNE ISOTOPES**
50 Van Buren Ave., P.O. Box 1235
Westwood, N.J. 07675-1235
Phone: 201/664-7070
FAX: 201/664-5586

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/17/92

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 1

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

3-4779

11/09/92

12/12/92

14086

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
95176	TP-1A DEPTH 8FT		11/05	1100	GR-A	8.8 +-4.5 E 00		11/12		3	
					GR-B	4.8 +-1.5 E 00		11/12		3	
					RA-226	3.8 +-0.6 E-01		11/13		4	
					RA-228	4.4 +-1.0 E-01		11/13		4	
95177	TP-2A DEPTH 3FT		11/05	1135	GR-A	2.1 +-0.6 E 01		11/12		3	
					GR-B	3.5 +-0.3 E 01		11/12		3	
					RA-226	1.9 +-0.2 E 00		11/13		4	
					RA-228	1.2 +-0.1 E 00		11/13		4	
95178	TP-2C DEPTH 6FT		11/05	1210	GR-A	L.T. 4. E 00		11/12		3	
					GR-B	4.8 +-1.5 E 00		11/12		3	
					RA-226	2.6 +-0.7 E-01		11/13		4	
					RA-226	3.3 +-1.2 E-01		11/13		4	

LAST PAGE OF REPORT

APPROVED BY J. GUENTHER 11/17/92

SEND 1 COPIES TO EC722S M CATHY GERACI PROJECT MANAGER

2 - GAS LAB.

3 - RADIO CHEMISTRY LAB.

4 - GE(L1) GAMMA SPEC LAB.

5 - TRITIUM GAS/L.S. LAB.

6 - ALPHA SPEC LAB.

C-301

11/17/92
 J. Guenther
 11/17/92

REPORT OF ANALYSIS

13 JANUARY 1993

 **TELEDYNE ISOTOPES**

50 Van Buren Ave., P.O. Box 1235

Westwood, N.J. 07675-1235

Phone: 201/664-7070

FAX: 201/664-5586

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 01/07/93

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 1

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

3-5337

12/10/92

01/13/93

14086

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
98182	SS-17 BLUE-STAIN AREA		12/01	1138	GR-A	3.6 +-0.9 E 01		12/24		3	
					GR-B	1.2 +-0.1 E 02		12/24		3	
					TH-234	3.1 +-0.8 E 00		12/18		4	
					RA-226	7.1 +-1.0 E 00		12/18		4	
					PB-214	4.5 +-0.5 E 00		12/18		4	
					BI-214	4.1 +-0.4 E 00		12/18		4	
					AC-228	1.9 +-0.3 E 00		12/18		4	
					PB-212	1.7 +-0.2 E 00		12/18		4	
					TL-208	1.6 +-0.2 E 00		12/18		4	
					K-40	2.9 +-0.6 E 00		12/18		4	
					CS-137	L.T. 6. E-02		12/18		4	
98183	SS-20 OFF-SITE		12/01	1230	GR-A	3.9 +-3.7 E 00		12/24		3	
					GR-B	4.2 +-0.4 E 01		12/24		3	
					TH-234	L.T. 8. E-01		12/18		4	
					RA-226	L.T. 5. E 00		12/18		4	
					PB-214	4.1 +-0.7 E-01		12/18		4	
					BI-214	3.9 +-0.6 E-01		12/18		4	
					AC-228	5.7 +-1.5 E-01		12/18		4	
					PB-212	5.0 +-0.5 E-01		12/18		4	
					TL-208	6.0 +-1.0 E-01		12/18		4	
					K-40	1.4 +-0.1 E 01		12/18		4	
					CS-134	1.6 +-0.4 E-01		12/18		4	
98191	TP-3A TESTPIT3 DP 5FT		12/04	0957	GR-A	6.6 +-4.4 E 00		12/24		3	
					GR-B	6.7 +-2.2 E 00		12/24		3	
					TH-234	L.T. 6. E-01		12/18		4	
					RA-226	7.8 +-4.5 E-01		12/18		4	
					PB-214	3.0 +-0.6 E-01		12/18		4	
					BI-214	2.9 +-0.7 E-01		12/18		4	
					AC-228	5.6 +-1.2 E-01		12/18		4	
					PB-212	4.4 +-0.4 E-01		12/18		4	
					TL-208	4.6 +-0.8 E-01		12/18		4	

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 01/07/93

WORK ORDER NUMBER

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DATE RECEIVED

DELIVERY DATE

PAGE 2

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

3-5337

12/10/92

01/13/93

14086

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
98191	TP-3A TESTPIT3 DP 5FT		12/04	0957	K-40	5.8 +-2.2 E-01		12/18			4
					CS-137	L.T. 3. E-02		12/18			4
98192	TP-4A TESTPIT4 DP 4FT		12/04	0900	GR-A	L.T. 4. E 00		12/24			3
					GR-B	4.3 +-2.0 E 00		12/24			3
					TH-234	L.T. 6. E-01		12/18			4
					RA-226	L.T. 6. E-01		12/18			4
					PB-214	2.4 +-0.5 E-01		12/18			4
					BI-214	2.1 +-0.5 E-01		12/18			4
					AC-228	3.7 +-1.0 E-01		12/18			4
					PB-212	2.6 +-0.5 E-01		12/18			4
					TL-208	3.2 +-0.8 E-01		12/18			4
					K-40	1.5 +-0.3 E 00		12/18			4
					CS-137	L.T. 3. E-02		12/18			4
98193	TP-5A TESTPIT5 DP 2FT		12/03	1230	GR-A	2.8 +-0.8 E 01		12/24			3
					GR-B	4.0 +-0.4 E 01		12/24			3
					TH-234	L.T. 1. E 00		12/18			4
					RA-226	8.2 +-0.1 E 00		12/18			4
					PB-214	4.7 +-0.5 E 00		12/18			4
					BI-214	4.2 +-0.4 E 00		12/18			4
					AC-228	1.3 +-0.2 E 00		12/18			4
					PB-212	1.1 +-0.1 E 00		12/18			4
					TL-208	1.1 +-0.2 E 00		12/18			4
					K-40	1.9 +-0.5 E 00		12/18			4
					CS-137	L.T. 6. E-02		12/18			4
98194	TP-6B TESTPIT6 DP 6FT		12/03	1510	GR-A	1.2 +-0.6 E 01		12/24			3
					GR-B	8.6 +-2.3 E 00		12/24			3
					TH-234	L.T. 5. E-01		12/18			4
					RA-226	L.T. 5. E-01		12/18			4
					PB-214	2.5 +-0.5 E-01		12/18			4
					BI-214	2.3 +-0.4 E-01		12/18			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 01/07/93

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 3

M CATHY GERACI PROJECT MANAGER
ECOLOGY & ENVIRONMENT INC
368 PLEASANT VIEW DR
LANCASTER NY

3-5337

12/10/92

01/13/93

14086

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP TIME				DATE	TIME		
98194	TP-6B TESTPIT6 DP 6FT		12/03	1510	AC-228	4.5 +-0.9 E-01		12/18			4
					PB-212	4.2 +-0.4 E-01		12/18			4
					TL-208	3.9 +-0.7 E-01		12/18			4
					K-40	7.8 +-2.0 E-01		12/18			4
					CS-137	L.T. 3. E-02		12/18			4
98195	TP-7 TESTPIT7 DP13FT		12/04	1220	GR-A	8.8 +-4.9 E 00		12/24			3
					GR-B	1.7 +-0.3 E 01		12/24			3
					TH-234	L.T. 1. E 00		12/18			4
					RA-226	1.2 +-0.6 E 00		12/18			4
					PB-214	5.9 +-0.7 E-01		12/18			4
					BI-214	5.5 +-0.7 E-01		12/18			4
					AC-228	6.0 +-1.2 E-01		12/18			4
					PB-212	5.8 +-0.6 E-01		12/18			4
					TL-208	6.3 +-1.0 E-01		12/18			4
					K-40	5.1 +-0.5 E 00		12/18			4
					CS-137	L.T. 4. E-02		12/18			4

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12-01-93 12:40:00

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 01/07/93

	WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 4
M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	3-5337		12/10/92	01/13/93	
	14086				

SEDIMENT/SILT

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP TIME				DATE	TIME		
98184	SED-1 UPGRADIENT		12/07	1620	GR-A	7.2 +-4.6 E 00		12/24			3
					GR-B	6.7 +-0.4 E 01		12/24			3
					TH-234	L.T. 1. E 00		12/18			4
					RA-226	L.T. 9. E-01		12/18			4
					PB-214	6.2 +-1.0 E-01		12/18			4
					BI-214	5.6 +-1.0 E-01		12/18			4
					AC-228	8.9 +-1.9 E-01		12/18			4
					PB-212	6.8 +-0.7 E-01		12/18			4
					TL-208	6.8 +-1.4 E-01		12/18			4
					K-40	1.2 +-0.1 E 01		12/18			4
					CS-137	9.6 +-1.0 E-01		12/18			4

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SEE Revised
Report 1/20/93 (next page)

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 01/07/93

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 5

M CATHY GERACI PROJECT MANAGER
ECOLOGY & ENVIRONMENT INC
368 PLEASANT VIEW OR
LANCASTER NY

3-5337

12/10/92

01/13/93

14086

WATER - SURFACE

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE TIME STOP DATE TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
98185	SW-1 -UPGRADIENT		12/07 1620	GR-A	L.T. 1. E 01		12/18		3
				GR-B	1.0 +-0.5 E 01		12/18		3
				TH-234	L.T. 1. E 02		12/17		4
				RA-226	L.T. 8. E 01		12/17		4
				PB-214	L.T. 2. E 01		12/17		4
				BI-214	L.T. 9. E 00		12/17		4
				AC-228	L.T. 2. E 01		12/17		4
				PB-212	L.T. 8. E 00		12/17		4
				TL-208	L.T. 1. E 01		12/17		4
				K-40	L.T. 5. E 01		12/17		4
				CS-137	L.T. 4. E 00		12/17		4
98186	SW-2 I490 MEDIAN		12/07 1500	GR-A	L.T. 6. E 00		12/18		3
				GR-B	1.2 +-0.4 E 01		12/18		3
				TH-234	L.T. 1. E 02		12/17		4
				RA-226	L.T. 1. E 02		12/17		4
				PB-214	L.T. 2. E 01		12/17		4
				BI-214	L.T. 1. E 01		12/17		4
				AC-228	L.T. 2. E 01		12/17		4
				PB-212	L.T. 9. E 00		12/17		4
				TL-208	L.T. 1. E 01		12/17		4
				K-40	4.9 +-2.3 E 01		12/17		4
				CS-137	L.T. 5. E 00		12/17		4
98187	SW-3 STREAM N OF I490		12/07 1340	GR-A	L.T. 5. E 00		12/18		3
				GR-B	L.T. 4. E 00		12/18		3
				TH-234	L.T. 8. E 01		12/17		4
				RA-226	L.T. 7. E 01		12/17		4
				PB-214	L.T. 1. E 01		12/17		4
				BI-214	L.T. 9. E 00		12/17		4
				AC-228	L.T. 2. E 01		12/17		4
				PB-212	L.T. 6. E 00		12/17		4
				TL-208	L.T. 1. E 01		12/17		4

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007/0001 01/13/93 0001/0001

TELEDYNE ISOTOPFS

REPORT OF ANALYSIS

Revised 1/20/93
RUN DATE 01/07/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	WORK ORDER NUMBER 3-5337 14086	CUSTOMER P.O. NUMBER	DATE RECEIVED 12/10/92	DELIVERY DATE 01/13/93	PAGE 5

WATER - SURFACE

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE TIME STOP DATE TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
98185	SW-1 UPGRADIENT		12/07 1620	GR-A	L.T. 5. E 00		01/18		3
				GR-B	1.0 +-0.5 E 01		12/18		3
				TH-234	L.T. 1. E 02		12/17		4
				RA-226	L.T. 8. E 01		12/17		4
				PB-214	L.T. 2. E 01		12/17		4
				BI-214	L.T. 9. E 00		12/17		4
				AC-228	L.T. 2. E 01		12/17		4
				PB-212	L.T. 8. E 00		12/17		4
				TL-208	L.T. 1. E 01		12/17		4
				K-40	L.T. 5. E 01		12/17		4
				CS-137	L.T. 4. E 00		12/17		4
98186	SW-2 1490 MEDIAN		12/07 1500	GR-A	L.T. 5. E 00		01/18		3
				GR-B	1.2 +-0.4 E 01		12/18		3
				TH-234	L.T. 1. E 02		12/17		4
				RA-226	L.T. 1. E 02		12/17		4
				PB-214	L.T. 2. E 01		12/17		4
				BI-214	L.T. 1. E 01		12/17		4
				AC-228	L.T. 2. E 01		12/17		4
				PB-212	L.T. 9. E 00		12/17		4
				TL-208	L.T. 1. E 01		12/17		4
				K-40	4.9 +-2.3 E 01		12/17		4
				CS-137	L.T. 5. E 00		12/17		4
98187	SW-3 STREAM N OF I490		12/07 1340	GR-A	L.T. 5. E 00		12/18		3
				GR-B	L.T. 4. E 00		12/18		3
				TH-234	L.T. 8. E 01		12/17		4
				RA-226	L.T. 7. E 01		12/17		4
				PB-214	L.T. 1. E 01		12/17		4
				BI-214	L.T. 9. E 00		12/17		4
				AC-228	L.T. 2. E 01		12/17		4
				PB-212	L.T. 6. E 00		12/17		4
				TL-208	L.T. 1. E 01		12/17		4

The GR-A for TI #98185 and 98186 were counted longer to improve the measurement sensitivity.
The results are revised above.

for Martin 1-21-93

C-308

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 01/07/93

WDRK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 6

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

3-5337

12/10/92

01/13/93

14086

WATER - SURFACE

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
98187	SW-3 STREAM N OF I490		12/07	1340	K-40	L.T. 9. E 00		12/17			4
					CS-137	L.T. 4. E 00		12/17			4
98188	SW-4 ERIE CNL UPGRDT		12/08	0945	GR-A	L.T. 4. E 00		12/18			3
					GR-B	L.T. 4. E 00		12/18			3
					TH-234	L.T. 8. E 01		12/17			4
					RA-226	L.T. 7. E 01		12/17			4
					PB-214	L.T. 1. E 01		12/17			4
					BI-214	L.T. 8. E 00		12/17			4
					AC-228	L.T. 1. E 01		12/17			4
					PB-212	L.T. 7. E 00		12/17			4
					TL-208	L.T. 1. E 01		12/17			4
					K-40	L.T. 6. E 01		12/17			4
					CS-137	L.T. 5. E 00		12/17			4
98189	SW-5 ERIE CNL DNGRDT		12/08	1100	GR-A	L.T. 4. E 00		12/18			3
					GR-B	L.T. 4. E 00		12/18			3
					TH-234	L.T. 9. E 01		12/17			4
					RA-226	L.T. 7. E 01		12/17			4
					PB-214	L.T. 1. E 01		12/17			4
					BI-214	L.T. 8. E 00		12/17			4
					AC-228	L.T. 1. E 01		12/17			4
					PB-212	L.T. 7. E 00		12/17			4
					TL-208	L.T. 1. E 01		12/17			4
					K-40	L.T. 5. E 01		12/17			4
					CS-137	L.T. 4. E 00		12/17			4
98190	SW-6 ERIE CNL DNGRDT		12/08	1130	GR-A	L.T. 4. E 00		12/18			3
					GR-B	6.6 +-2.8 E 00		12/18			3
					TH-234	L.T. 6. E 01		12/17			4
					RA-226	L.T. 7. E 01		12/17			4
					PB-214	L.T. 1. E 01		12/17			4
					BI-214	L.T. 9. E 00		12/17			4

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C-309 AND C-310

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 01/07/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	WORK ORDER NUMBER 3-5337 14086	CUSTOMER P.O. NUMBER	DATE RECEIVED 12/10/92	DELIVERY DATE 01/13/93	PAGE 7

WATER - SURFACE

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE TIME STOP DATE TIME	NUCLIOE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
98190	SW-6 ERIE CNL DNGRDT		12/08 1130	AC-228	L.T. 2. E 01		12/17		4
				PB-212	L.T. 7. E 00		12/17		4
				TL-208	L.T. 1. E 01		12/17		4
				K-40	L.T. 9. E 01		12/17		4
				CS-137	L.T. 4. E 00		12/17		4
98196	SW-3D NOT LSTD ON C/C		12/07	GR-A	L.T. 5. E 00		12/18		3
				GR-B	5.2 +-3.0 E 00		12/18		3
				TH-234	L.T. 9. E 01		12/17		4
				RA-226	L.T. 8. E 01		12/17		4
				PB-214	L.T. 2. E 01		12/17		4
				BI-214	L.T. 8. E 00		12/17		4
				AC-228	L.T. 2. E 01		12/17		4
				PB-212	L.T. 7. E 00		12/17		4
				TL-208	L.T. 1. E 01		12/17		4
				K-40	L.T. 6. E 01		12/17		4
				CS-137	L.T. 4. E 00		12/17		4

LAST PAGE OF REPORT

APPROVED BY J. GUENTHER 01/07/93

SEND 1 COPIES TO EC722S M CATHY GERACI PROJECT MANAGER

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - GE(LI) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB. 6 - ALPHA SPEC LAB.

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REPORT OF ANALYSIS

30 APRIL 1993

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TELEDYNE ISOTOPES

 **TELEDYNE ISOTOPES**

50 Van Buren Ave., P.O. Box 1235
Westwood, N.J. 07675-1235
Phone: 201/664-7070
FAX: 201/664-5586

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/29/93

	WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 1
M CATHY GERACI PROJECT MANAGER FCOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	3-0778 14086		04/01/93	05/04/93	

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE TIME	STOP DATE TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
09276	STA-6 .MW-6D (10-12)		03/02 1020		GR-A	6.1 +-4.3 E 00		04/08		3
					GR-B	1.7 +-0.2 E 01		04/08		3
					BE-7	L.T. 4. E-01		04/21		4
					K-40	4.85+-0.49E 00		04/21		4
					MN-54	L.T. 3. E-02		04/21		4
					CO-58	L.T. 4. E-02		04/21		4
					FE-59	L.T. 1. E-01		04/21		4
					CO-60	L.T. 3. E-02		04/21		4
					ZN-65	L.T. 7. E-02		04/21		4
					ZR-95	L.T. 5. E-02		04/21		4
					RU-103	L.T. 6. E-02		04/21		4
					RU-106	L.T. 3. E-01		04/21		4
					I-131	L.T. 2. E 00		04/21		4
					CS-134	L.T. 3. E-02		04/21		4
					CS-137	L.T. 3. E-02		04/21		4
					BA-140	L.T. 5. E-01		04/21		4
					CE-141	L.T. 1. E-01		04/21		4
					CE-144	L.T. 2. E-01		04/21		4
					RA-226	1.07+-0.39E 00		04/21		4
					TH-228	L.T. 6. E-02		04/21		4
					PB-214	5.44+-0.59E-01		04/21		4
					BI-214	5.33+-0.53E-01		04/21		4
					AC-228	5.73+-1.91E-01		04/21		4
					PB212	4.39+-0.34E-01		04/21		4
					TL-208	4.97+-0.74E-01		04/21		4
09277	STA-7 MW-10 (16-18)		01/19 1403		GR-A	6.1 +-4.3 E 00		04/08		3
					GR-B	1.4 +-0.2 E 01		04/08		3
					BE-7	L.T. 6. E-01		04/21		4
					K-40	8.61+-0.86E 00		04/21		4
					MN-54	L.T. 3. E-02		04/21		4
					CO-58	L.T. 5. E-02		04/21		4
					FE-59	L.T. 2. E-01		04/21		4

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REPORT OF ANALYSIS

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 2

M CATHY GERACI PROJECT MANAGER
ECOLGY & ENVIRONMENT INC
368 PLFASANT VIEW DR
LANCASTER NY

3-0778

04/01/93

05/04/93

14086

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE				NUCLIDE	ACTIVITY		NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	TIME	STOP DATE	TIME		(PCI/GM DRY)	DATE		TIME			
09277	STA-7 MW-10 (16-18)		01/19	1403			CN-60	L.T.	3.	E-02	04/21			4
							ZN-65	L.T.	8.	E-02	04/21			4
							ZR-95	L.T.	6.	E-02	04/21			4
							RU-103	L.T.	9.	E-02	04/21			4
							RU-106	L.T.	2.	E-01	04/21			4
							I-131	L.T.	5.	E-01	04/21			4
							CS-134	L.T.	3.	E-02	04/21			4
							CS-137	L.T.	2.	E-02	04/21			4
							BA-140	L.T.	3.	E-00	04/21			4
							CE-141	L.T.	2.	E-01	04/21			4
							CE-144	L.T.	2.	E-01	04/21			4
							RA-226	6.97+-3.26E-01			04/21			4
							TH-228	L.T.	7.	E-02	04/21			4
							TH-234	7.24+-3.74E-01			04/21			4
							PB-214	4.43+-0.55E-01			04/21			4
							BI-214	3.85+-0.51E-01			04/21			4
							AC-228	3.85+-0.91E-01			04/21			4
							PB-212	4.08+-0.34E-01			04/21			4
							TL-208	4.28+-0.72E-01			04/21			4

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1. $\text{C}_2\text{H}_5\text{Br}$ and $\text{C}_2\text{H}_5\text{I}$ are the best starting materials for the synthesis of $\text{C}_2\text{H}_5\text{MgBr}$ and $\text{C}_2\text{H}_5\text{MgI}$ respectively.

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/29/93

	WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 3
M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	3-0778 14086		04/01/93	05/04/93	

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE TIME STOP DATE TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
09271	STA-1	DR-3	03/26 1145	RA-226	3.0 +-0.6 E 00		04/27		2
				RA-228	3.7 +-0.6 E 00		04/14		3
				GR-A	L.T. 3. E 01		04/14		3
				GR-B	4.4 +-1.5 E 01		04/14		3
				BE-7	L.T. 4. E 01		04/20		4
				K-40	4.46+-2.58E 01		04/20		4
				MN-54	L.T. 3. E 00		04/20		4
				CO-58	L.T. 4. E 00		04/20		4
				FE-59	L.T. 9. E 00		04/20		4
				CO-60	L.T. 4. E 00		04/20		4
				ZN-65	L.T. 7. E 00		04/20		4
				ZR-95	L.T. 4. E 00		04/20		4
				RU-103	L.T. 5. E 00		04/20		4
				RU-106	L.T. 3. E 01		04/20		4
				I-131	L.T. 3. E 01		04/20		4
				CS-134	L.T. 4. E 00		04/20		4
				CS-137	L.T. 5. E 00		04/20		4
				BA-140	L.T. 1. E 01		04/20		4
				CE-141	L.T. 9. E 00		04/20		4
				CE-144	L.T. 3. E 01		04/20		4
				RA-226	L.T. 7. E 01		04/20		4
				TH-228	L.T. 7. E 00		04/20		4
09272	STA-2	MW-3D	03/26 1125	RA-226	L.T. 1. E 00		04/27		2
				RA-228	L.T. 1. E 00		04/15		3
				GR-A	L.T. 8. E 00		04/14		3
				GR-B	2.3 +-0.5 E 01		04/14		3
				BE-7	L.T. 4. E 01		04/20		4
				K-40	L.T. 5. E 01		04/20		4
				MN-54	L.T. 3. E 00		04/20		4
				CO-58	L.T. 4. E 00		04/20		4
				FE-59	L.T. 8. E 00		04/20		4
				CO-60	L.T. 4. E 00		04/20		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/29/93

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE
3-0778		04/01/93	05/04/93	4

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY 14086

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE TIME STOP DATE TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
09272	STA-2	MW-3D	03/26 1125	ZN-65	L.T. 8. E 00		04/20		4
				ZR-95	L.T. 4. E 00		04/20		4
				RU-103	L.T. 5. E 00		04/20		4
				RU-106	L.T. 3. E 01		04/20		4
				I-131	L.T. 3. E 01		04/20		4
				CS-134	L.T. 4. E 00		04/20		4
				CS-137	L.T. 4. E 00		04/20		4
				BA-140	L.T. 1. E 01		04/20		4
				CE-141	L.T. 9. E 00		04/20		4
				CE-144	L.T. 3. E 01		04/20		4
				RA-226	L.T. 7. E 01		04/20		4
				TH-228	L.T. 6. E 00		04/20		4
09273	STA-3	MW-2D	03/26 1030	RA-226	2.6 +-0.2 E 00		04/28		2
				RA-228	3.9 +-1.3 E 00		04/15		3
				GR-A	L.T. 5. E 01		04/14		3
				GR-B	8.9 +-2.9 E 01		04/14		3
				BE-7	L.T. 5. E 01		04/20		4
				K-40	L.T. 1. E 02		04/20		4
				MN-54	L.T. 4. E 00		04/20		4
				CO-58	L.T. 5. E 00		04/20		4
				FE-59	L.T. 1. E 01		04/20		4
				CO-60	L.T. 4. E 00		04/20		4
				ZN-65	L.T. 1. E 01		04/20		4
				ZR-95	L.T. 5. E 00		04/20		4
				RU-103	L.T. 7. E 00		04/20		4
				RU-106	L.T. 4. E 01		04/20		4
				I-131	L.T. 4. E 01		04/20		4
				CS-134	L.T. 5. E 00		04/20		4
				CS-137	L.T. 5. E 00		04/20		4
				BA-140	L.T. 1. E 01		04/20		4
				CE-141	L.T. 1. E 01		04/20		4
				CE-144	L.T. 3. E 01		04/20		4

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04/29/93 08:00:00

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/29/93

	WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE	5
M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	3-0778		04/01/93	05/04/93		
	14086					

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MJD-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP TIME				DATE	TIME		
09273	STA-3	MW-2D	03/26	1030	RA-226	L.T. 8. E 01		04/20			4
					TH-228	L.T. 8. E 00		04/20			4
09274	STA-4	MW-85R	03/26	0830	RA-226	L.T. 1. E 00		04/28			2
					RA-228	L.T. 1. E 00		04/15			3
					GR-A	L.T. 6. E 00		04/14			3
					GR-B	1.0 +-0.4 E 01		04/14			3
					BE-7	L.T. 4. E 01		04/20			4
					K-40	L.T. 1. E 02		04/20			4
					MN-54	L.T. 4. E 00		04/20			4
					CO-58	L.T. 4. E 00		04/20			4
					FE-59	L.T. 1. E 01		04/20			4
					CO-60	L.T. 4. E 00		04/20			4
					ZN-65	L.T. 7. E 00		04/20			4
					ZP-95	L.T. 4. E 00		04/20			4
					RU-103	L.T. 5. E 00		04/20			4
					RU-106	L.T. 3. E 01		04/20			4
					I-131	L.T. 3. E 01		04/20			4
					CS-134	L.T. 4. E 00		04/20			4
					CS-137	L.T. 4. E 00		04/20			4
					BA-140	L.T. 2. E 01		04/20			4
					CE-141	L.T. 9. E 00		04/20			4
					CE-144	L.T. 2. E 01		04/20			4
					RA-226	L.T. 7. E 01		04/20			4
					TH-228	L.T. 7. E 00		04/20			4
09275	STA-5	MW-6D	03/26	1100	RA-226	L.T. 1. E 00		04/28			2
					RA-228	L.T. 1. E 00		04/16			3
					GR-A	L.T. 1. E 01		04/14			3
					GR-B	5.6 +-0.9 E 01		04/14			3
					BE-7	L.T. 4. E 01		04/20			4
					K-40	L.T. 6. E 01		04/20			4
					MN-54	L.T. 4. E 00		04/20			4

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/29/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	3-0778	14086	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 6
				04/01/93	05/04/93	

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
09275	STA-5	MW-60	03/26	1100	CO-58	L.T. 4. E 00		04/20		4	
					FE-59	L.T. 9. E 00		04/20		4	
					CO-60	L.T. 4. E 00		04/20		4	
					ZN-65	L.T. 8. E 00		04/20		4	
					ZR-95	L.T. 5. E 00		04/20		4	
					RU-103	L.T. 6. E 00		04/20		4	
					RU-106	L.T. 4. E 01		04/20		4	
					I-131	L.T. 4. E 01		04/20		4	
					CS-134	L.T. 4. E 00		04/20		4	
					CS-137	L.T. 4. E 00		04/20		4	
					BA-140	L.T. 2. E 01		04/20		4	
					CE-141	L.T. 1. E 01		04/20		4	
					CE-144	L.T. 3. E 01		04/20		4	
					RA-226	L.T. 9. E 01		04/20		4	
					TH-228	L.T. 7. E 00		04/20		4	

LAST PAGE OF REPORT

APPROVED BY J. GUENTHER 04/29/93

SEND 1 COPIES TO EC722S M CATHY GERACI PROJECT MANAGER

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - GE(LI) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB. 6 - ALPHA SPEC LAB.

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REPORT OF ANALYSIS

28 APRIL 1993

 **TELEDYNE ISOTOPES**
50 Van Buren Ave., P.O. Box 1235
Westwood, N.J. 07675-1235
Phone: 201/664-7070
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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/28/93

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 1

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

3-0777

04/01/93

05/04/93

14086

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP TIME				DATE	TIME		
09263	BH-32V 0-2 FT		01/07	1055	GR-A	6.1 +-4.3 E 00		04/08			3
					GR-B	3.7 +-0.3 E 01		04/08			3
					BE-7	L.T. 9. E-01		04/21			4
					MN-54	L.T. 4. E-02		04/21			4
					CO-58	L.T. 7. E-02		04/21			4
					FE-59	L.T. 3. E-01		04/21			4
					CO-60	L.T. 3. E-02		04/21			4
					ZN-65	L.T. 1. E-01		04/21			4
					ZR-95	L.T. 1. E-01		04/21			4
					RU-103	L.T. 2. E-01		04/21			4
					RU-106	L.T. 3. E-01		04/21			4
					I-131	L.T. 2. E 02		04/21			4
					CS-134	L.T. 4. E-02		04/21			4
					CS-137	1.38+-0.33E-01		04/21			4
					BA-140	L.T. 7. E 00		04/21			4
					CE-141	L.T. 4. E-01		04/21			4
					CE-144	L.T. 2. E-01		04/21			4
					RA-226	L.T. 6. E-01		04/21			4
					TH-228	L.T. 1. E-01		04/21			4
					K-40	1.30+-0.13E 01		04/21			4
					PB-214	4.87+-0.69E-01		04/21			4
					BI-214	4.38+-0.63E-01		04/21			4
					AC-228	6.03+-1.35E-01		04/21			4
					PB-212	5.24+-0.42E-01		04/21			4
					TL-208	5.88+-0.89E-01		04/21			4
09269	MW-6D		03/11	1100	SAMPLE	NOT R ECEIVED					3

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/28/93

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

WORK ORDER NUMBER

3-0777

CUSTOMER P.O. NUMBER

DATE RECEIVED

04/01/93

DELIVERY DATE

05/04/93

PAGE 2

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WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAR.
			START DATE	STOP TIME				DATE	TIME		
09264	MW-40		02/05	1100	RA-226	1.4 +-0.1 E 00		04/26		2	
					RA-228	2.6 +-1.2 E 00		04/13		3	
					GR-A	2.6 +-1.8 E 01		04/14		3	
					GR-B	7.3 +-1.0 E 01		04/14		3	
					BE-7	L.T. 8. E 01		04/19		4	
					K-40	L.T. 1. E 02		04/19		4	
					MN-54	L.T. 5. E 00		04/19		4	
					CO-58	L.T. 8. E 00		04/19		4	
					FE-59	L.T. 2. E 01		04/19		4	
					CO-60	L.T. 4. E 00		04/19		4	
					ZN-65	L.T. 1. E 01		04/19		4	
					ZR-95	L.T. 9. E 00		04/19		4	
					RU-103	L.T. 1. E 01		04/19		4	
					RU-106	L.T. 4. E 01		04/19		4	
					I-131	L.T. 2. E 03		04/19		4	
					CS-134	L.T. 5. E 00		04/19		4	
					CS-137	L.T. 5. E 00		04/19		4	
					BA-140	L.T. 2. E 02		04/19		4	
					CE-141	L.T. 2. E 01		04/19		4	
					CE-144	L.T. 3. E 01		04/19		4	
					RA-226	L.T. 8. E 01		04/19		4	
					TH-228	L.T. 9. E 00		04/19		4	
					09265	MW-80		02/05	1730	RA-226	1.6 +-0.2 E 01
RA-228	2.8 +-0.3 E 01		04/14							3	
GR-A	L.T. 2. E 02		04/14							3	
GR-B	2.6 +-0.8 E 02		04/14							3	
BE-7	L.T. 8. E 01		04/19							4	
K-40	L.T. 9. E 01		04/19							4	
MN-54	L.T. 4. E 00		04/19							4	
CO-58	L.T. 7. E 00		04/19							4	
FE-59	L.T. 2. E 01		04/19							4	
CO-60	L.T. 3. E 00		04/19							4	

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TELEDYNE ISOTOPE

REPORT OF ANALYSIS

RUN DATE 04/28/93

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 3

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

3-0777

04/01/93

05/04/93

14086

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAR.
			START DATE TIME	STOP DATE TIME						
09265	MW-8D		02/05	1730	ZN-65	L.T. 9. E 00		04/19		4
					ZR-95	L.T. 9. E 00		04/19		4
					RU-103	L.T. 1. E 01		04/19		4
					RU-106	L.T. 4. E 01		04/19		4
					I-131	L.T. 2. E 03		04/19		4
					CS-134	L.T. 5. E 00		04/19		4
					CS-137	L.T. 4. E 00		04/19		4
					BA-140	L.T. 2. E 02		04/19		4
					CE-141	L.T. 2. E 01		04/19		4
					CE-144	L.T. 3. E 01		04/19		4
					RA-226	L.T. 7. E 01		04/19		4
					TH-228	L.T. 8. E 00		04/19		4
09266	MW-2D		02/08	1745	RA-226	L.T. 1. E 00		04/26		2
					RA-228	L.T. 1. E 00		04/13		3
					GR-A	L.T. 2. E 01		04/14		3
					GR-B	8.0 +-1.6 E 01		04/14		3
					BE-7	L.T. 7. E 01		04/19		4
					K-40	L.T. 1. E 02		04/19		4
					MN-54	L.T. 4. E 00		04/19		4
					CO-58	L.T. 7. E 00		04/19		4
					FE-59	L.T. 2. E 01		04/19		4
					CO-60	L.T. 4. E 00		04/19		4
					ZN-65	L.T. 9. E 00		04/19		4
					ZR-95	L.T. 8. E 00		04/19		4
					RU-103	L.T. 1. E 01		04/19		4
					RU-106	L.T. 4. E 01		04/19		4
					I-131	L.T. 1. E 03		04/19		4
					CS-134	L.T. 4. E 00		04/19		4
					CS-137	L.T. 4. E 00		04/19		4
					BA-140	L.T. 2. E 02		04/19		4
					CE-141	L.T. 2. E 01		04/19		4
					CE-144	L.T. 2. E 01		04/19		4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/28/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	WORK ORDER NUMBER 3-0777 14086	CUSTOMER P.O. NUMBER	DATE RECEIVED 04/01/93	DELIVERY DATE 05/04/93	PAGE 4

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME	
09266	MW-2D		02/08	1745	RA-226	L.T. 8. E 01		04/19		4
					TH-228	L.T. 7. E 00		04/19		4
09267	MW-10R		03/23	1145	RA-226	L.T. 1. E 00		04/26		2
					RA-228	L.T. 1. E 00		04/14		3
					GR-A	L.T. 8. E 00		04/14		3
					GR-B	8.0 +-4.3 E 00		04/14		3
					BE-7	L.T. 4. E 01		04/19		4
					K-40	L.T. 1. E 02		04/19		4
					MN-54	L.T. 4. E 00		04/19		4
					CO-58	L.T. 5. E 00		04/19		4
					FE-59	L.T. 1. E 01		04/19		4
					CO-60	L.T. 4. E 00		04/19		4
					ZN-65	L.T. 9. E 00		04/19		4
					ZR-95	L.T. 5. E 00		04/19		4
					RU-103	L.T. 6. E 00		04/19		4
					RU-106	L.T. 4. E 01		04/19		4
					I-131	L.T. 4. E 01		04/19		4
					CS-134	L.T. 5. E 00		04/19		4
					CS-137	L.T. 5. E 00		04/19		4
					RA-140	L.T. 2. E 01		04/19		4
					CE-141	L.T. 9. E 00		04/19		4
					CE-144	L.T. 2. E 01		04/19		4
					RA-226	L.T. 8. E 01		04/19		4
					TH-228	L.T. 8. E 00		04/19		4
09268	MW-20R		03/23	1450	RA-226	L.T. 1. E 00		04/26		2
					RA-228	L.T. 1. E 00		04/14		3
					GR-A	L.T. 1. E 01		04/14		3
					GR-B	1.2 +-0.5 E 01		04/14		3
					BE-7	L.T. 4. E 01		04/20		4
					K-40	L.T. 6. E 01		04/20		4
					MN-54	L.T. 4. E 00		04/20		4

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RUN DATE 04/28/93

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

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M CATHY GERACI PROJECT MANAGER
ECOLOGY & ENVIRONMENT INC
368 PLEASANT VIEW DR
LANCASTER NY

3-0777

04/01/93

05/04/93

14086

WATER - GROUND

TELEPHONE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE				NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE	TIME	TIME				DATE	TIME		
09268	MW-20R		03/23	1450		CO-58	L.T. 4. E 00			04/20			4
						FE-59	L.T. 8. E 00			04/20			4
						CO-60	L.T. 3. E 00			04/20			4
						ZN-65	L.T. 8. E 00			04/20			4
						ZR-95	L.T. 4. E 00			04/20			4
						RU-103	L.T. 6. E 00			04/20			4
						RU-106	L.T. 3. E 01			04/20			4
						I-131	L.T. 4. E 01			04/20			4
						CS-134	L.T. 4. E 00			04/20			4
						CS-137	L.T. 4. E 00			04/20			4
						BA-140	L.T. 2. E 01			04/20			4
						CE-141	L.T. 1. E 01			04/20			4
						CE-144	L.T. 3. E 01			04/20			4
						RA-226	L.T. 8. E 01			04/20			4
						TH-228	L.T. 8. E 00			04/20			4
09270	MW-6S		03/24	1510		RA-226	1.3 +-0.1 E 00			04/26			2
						RA-228	2.1 +-0.6 E 00			04/13			3
						GR-A	L.T. 2. E 01			04/14			3
						GR-B	3.0 +-0.8 E 01			04/14			3
						BE-7	L.T. 5. E 01			04/20			4
						K-40	6.43+-2.99E 01			04/20			4
						MN-54	L.T. 3. E 00			04/20			4
						CO-58	L.T. 4. E 00			04/20			4
						FE-59	L.T. 1. E 01			04/20			4
						CO-60	L.T. 4. E 00			04/20			4
						ZN-65	L.T. 9. E 00			04/20			4
						ZR-95	L.T. 5. E 00			04/20			4
						RU-103	L.T. 6. E 00			04/20			4
						RU-106	L.T. 3. E 01			04/20			4
						I-131	L.T. 4. E 01			04/20			4
						CS-134	L.T. 4. E 00			04/20			4
						CS-137	L.T. 4. E 00			04/20			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 04/28/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	WORK ORDER NUMBER 3-0777 14086	CUSTOMER P.O. NUMBER	DATE RECEIVED 04/01/93	DELIVERY DATE 05/04/93	PAGE 6

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE TIME	STOP DATE TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
09270	MW-6S		03/24 1510		BA-140	L.T. 2. E 01		04/20		4
					CE-141	L.T. 1. E 01		04/20		4
					CE-144	L.T. 4. E 01		04/20		4
					RA-226	L.T. 1. E 02		04/20		4
					TH-228	L.T. 9. E 00		04/20		4

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LAST PAGE OF REPORT

APPROVED BY *J. Guenther* J. GUENTHER 04/28/93

SEND 1 COPIES TO EC722S M CATHY GERACI PROJECT MANAGER

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - GE(LI) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB. 6 - ALPHA SPEC LAB.

REPORT OF ANALYSIS

5 MAY 1993

C-325

 **TELEDYNE ISOTOPES**

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 05/04/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	WORK ORDER NUMBER 3-0779 14086	CUSTOMER P.O. NUMBER	DATE RECEIVED 04/01/93	DELIVERY DATE 05/04/93	PAGE 1

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
09278	MW-1D		02/18		RA-226	L.T. 5. E-01		04/30		2	
					RA-228	3.3 +-1.3 E 00		04/16		3	
					GR-A	L.T. 3. E 01		04/14		3	
					GR-B	5.3 +-1.6 E 01		04/14		3	
					BE-7	L.T. 6. E 01		04/24		4	
					K-40	L.T. 5. E 01		04/24		4	
					MN-54	L.T. 3. E 00		04/24		4	
					CO-58	L.T. 5. E 00		04/24		4	
					FE-59	L.T. 1. E 01		04/24		4	
					CO-60	L.T. 3. E 00		04/24		4	
					ZN-65	L.T. 8. E 00		04/24		4	
					ZR-95	L.T. 6. E 00		04/24		4	
					RU-103	L.T. 9. E 00		04/24		4	
					RU-106	L.T. 3. E 01		04/24		4	
					I-131	L.T. 9. E 02		04/24		4	
					CS-134	L.T. 3. E 00		04/24		4	
					CS-137	L.T. 3. E 00		04/24		4	
					BA-140	L.T. 1. E 02		04/24		4	
					CE-141	L.T. 2. E 01		04/24		4	
					CE-144	L.T. 2. E 01		04/24		4	
					RA-226	L.T. 6. E 01		04/24		4	
					TH-228	7.27+-3.06E 00		04/24		4	
09279	MW-5S		02/18		RA-226	9.0 +-4.6 E-01		04/30		2	
					RA-228	L.T. 1. E 00		04/19		3	
					GR-A	L.T. 2. E 01		04/14		3	
					GR-B	2.3 +-0.7 E 01		04/14		3	
					BE-7	L.T. 5. E 01		04/24		4	
					K-40	1.08+-0.24E 02		04/24		4	
					MN-54	L.T. 3. E 00		04/24		4	
					CO-58	L.T. 5. E 00		04/24		4	
					FE-59	L.T. 2. E 01		04/24		4	
					CO-60	L.T. 3. E 00		04/24		4	

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 05/04/93

	WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 2
M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	3-0779		04/01/93	05/04/93	
	14086				

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE TIME	STOP DATE TIME						
09279	MW-5S		02/18		ZN-65	L.T. 7. E 00		04/24		4
					ZR-95	L.T. 5. E 00		04/24		4
					RU-103	L.T. 9. E 00		04/24		4
					RU-106	L.T. 3. E 01		04/24		4
					I-131	L.T. 8. E 02		04/24		4
					CS-134	L.T. 3. E 00		04/24		4
					CS-137	L.T. 3. E 00		04/24		4
					BA-140	L.T. 1. E 02		04/24		4
					CE-141	L.T. 2. E 01		04/24		4
					CE-144	L.T. 2. E 01		04/24		4
					RA-226	L.T. 5. E 01		04/24		4
					TH-228	1.03+-0.41E 01		04/24		4
09280	MW-9DR		03/19		RA-226	2.1 +-0.5 E 00		04/30		2
					RA-228	2.7 +-1.2 E 00		04/19		3
					GR-A	L.T. 5. E 01		04/14		3
					GR-B	8.3 +-2.9 E 01		04/14		3
					BE-7	L.T. 5. E 01		04/24		4
					K-40	L.T. 1. E 02		04/24		4
					MN-54	L.T. 4. E 00		04/24		4
					CO-58	L.T. 5. E 00		04/24		4
					FE-59	L.T. 1. E 01		04/24		4
					CO-60	L.T. 4. E 00		04/24		4
					ZN-65	L.T. 9. E 00		04/24		4
					ZR-95	L.T. 5. E 00		04/24		4
					RU-103	L.T. 7. E 00		04/24		4
					RU-106	L.T. 4. E 01		04/24		4
					I-131	L.T. 9. E 01		04/24		4
					CS-134	L.T. 4. E 00		04/24		4
					CS-137	L.T. 4. E 00		04/24		4
					BA-140	L.T. 3. E 01		04/24		4
					CE-141	L.T. 1. E 01		04/24		4
					CE-144	L.T. 3. E 01		04/24		4

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COPY SENT TO W. W. W. W.

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 05/04/93

	WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 3
M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	3-0779		04/01/93	05/04/93	
	14086				

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
09280	MW-9DR		03/19		RA-226	L.T. 8. E 01		04/24			4
					TH-228	L.T. 6. E 00		04/24			4
09281	MW-10DR		03/19		RA-226	8.6 +-1.0 E-01		04/30			2
					RA-228	L.T. 1. E 00		04/19			3
					GR-A	L.T. 2. E 01		04/14			3
					GR-B	4.5 +-1.4 E 01		04/14			3
					BE-7	L.T. 3. E 01		04/24			4
					K-40	4.32+-2.07E 01		04/24			4
					MN-54	L.T. 3. E 00		04/24			4
					CO-58	L.T. 3. E 00		04/24			4
					FE-59	L.T. 8. E 00		04/24			4
					CO-60	L.T. 3. E 00		04/24			4
					ZN-65	L.T. 6. E 00		04/24			4
					ZR-95	L.T. 4. E 00		04/24			4
					RU-103	L.T. 5. E 00		04/24			4
					RU-106	L.T. 2. E 01		04/24			4
					I-131	L.T. 6. E 01		04/24			4
					CS-134	L.T. 3. E 00		04/24			4
					CS-137	L.T. 3. E 00		04/24			4
					BA-140	L.T. 2. E 01		04/24			4
					CE-141	L.T. 1. E 01		04/24			4
					CE-144	L.T. 2. E 01		04/24			4
					RA-226	L.T. 6. E 01		04/24			4
					TH-228	1.90+-0.43E 01		04/24			4
09282	MW-4S		02/17		RA-226	5.2 +-1.2 E-01		04/30			2
					RA-228	L.T. 7. E-01		04/16			3
					GR-A	L.T. 2. E 01		04/14			3
					GR-B	L.T. 9. E 00		04/14			3
					BE-7	L.T. 6. E 01		04/24			4
					K-40	L.T. 8. E 01		04/24			4
					MN-54	L.T. 3. E 00		04/24			4

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 05/04/93

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 4

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

3-0779

04/01/93

05/04/93

14086

WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
09282	MW-4S		02/17		CO-58	L.T. 5. E 00		04/24		4
					FE-59	L.T. 2. E 01		04/24		4
					CO-60	L.T. 3. E 00		04/24		4
					ZN-65	L.T. 7. E 00		04/24		4
					ZR-95	L.T. 6. E 00		04/24		4
					RU-103	L.T. 1. E 01		04/24		4
					RU-106	L.T. 3. E 01		04/24		4
					I-131	L.T. 9. E 02		04/24		4
					CS-134	L.T. 3. E 00		04/24		4
					CS-137	L.T. 3. E 00		04/24		4
					BA-140	L.T. 1. E 02		04/24		4
					CE-141	L.T. 2. E 01		04/24		4
					CE-144	L.T. 2. E 01		04/24		4
					RA-226	L.T. 6. E 01		04/24		4
					TH-228	1.70+-0.42E 01		04/24		4
09283	MW-7S		02/17		RA-226	3.5 +-1.7 E-01		04/30		2
					RA-228	1.3 +-0.5 E 00		04/19		3
					GR-A	L.T. 1. E 01		04/14		3
					GR-B	1.4 +-0.6 E 01		04/14		3
					BE-7	L.T. 6. E 01		04/24		4
					K-40	L.T. 5. E 01		04/24		4
					MN-54	L.T. 3. E 00		04/24		4
					CO-58	L.T. 5. E 00		04/24		4
					FE-59	L.T. 2. E 01		04/24		4
					CO-60	L.T. 4. E 00		04/24		4
					ZN-65	L.T. 8. E 00		04/24		4
					ZR-95	L.T. 6. E 00		04/24		4
					RU-103	L.T. 1. E 01		04/24		4
					RU-106	L.T. 3. E 01		04/24		4
					I-131	L.T. 1. E 03		04/24		4
					CS-134	L.T. 3. E 00		04/24		4
					CS-137	L.T. 3. E 00		04/24		4

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ECOLOGY & ENVIRONMENT

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 05/04/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	WORK ORDER NUMBER 3-0779	CUSTOMER P.O. NUMBER	DATE RECEIVED 04/01/93	DELIVERY DATE 05/04/93	PAGE 5

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WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-X U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
09283	MW-7S		02/17		BA-140	L.T. 1. E 02		04/24		4	
					CE-141	L.T. 2. E 01		04/24		4	
					CE-144	L.T. 3. E 01		04/24		4	
					RA-226	L.T. 7. E 01		04/24		4	
					TH-228	L.T. 6. E 00		04/24		4	
09284	MW-9S		02/17		RA-226	9.0 +-1.3 E-01		04/30		2	
					RA-228	1.4 +-1.1 E 00		04/20		3	
					GR-A	L.T. 1. E 01		04/14		3	
					GR-B	1.3 +-0.6 E 01		04/14		3	
					BE-7	L.T. 6. E 01		04/24		4	
					K-40	L.T. 5. E 01		04/24		4	
					MN-54	L.T. 3. E 00		04/24		4	
					CO-58	L.T. 5. E 00		04/24		4	
					FE-59	L.T. 2. E 01		04/24		4	
					CO-60	L.T. 3. E 00		04/24		4	
					ZN-65	L.T. 7. E 00		04/24		4	
					ZR-95	L.T. 6. E 00		04/24		4	
					RU-103	L.T. 9. E 00		04/24		4	
					RU-106	L.T. 3. E 01		04/24		4	
					I-131	L.T. 9. E 02		04/24		4	
					CS-134	L.T. 3. E 00		04/24		4	
					CS-137	L.T. 3. E 00		04/24		4	
					BA-140	L.T. 1. E 02		04/24		4	
					CE-141	L.T. 2. E 01		04/24		4	
					CE-144	L.T. 3. E 01		04/24		4	
					RA-226	L.T. 7. E 01		04/24		4	
					TH-228	L.T. 7. E 00		04/24		4	

LAST PAGE OF REPORT

APPROVED BY J. GUENTHER 05/04/93

SEND 1 COPIES TO EC722S M CATHY GERACI PROJECT MANAGER

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - GE(LI) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB. 6 - ALPHA SPEC LAB.

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REPORT OF ANALYSIS
21 MAY 1993

C-331

 **TELEDYNE ISOTOPES**
50 Van Buren Ave., P.O. Box 1235
Westwood, N.J. 07675-1235
Phone: 201/664-7070
FAX: 201/664-5586

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 05/20/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	WORK ORDER NUMBER 3-1195	CUSTOMER P.O. NUMBER	DATE RECEIVED 04/22/93	DELIVERY DATE 05/25/93	PAGE 1

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WATER - GROUND

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START STOP DATE TIME DATE TIME		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
11806	MW-5D GRAB	OB-5020	04/14	0852	RA-226	2.3 +-0.8 E 00		05/19		2
					RA-228	L.T. 1. E 00		04/30		3
					GR-A	L.T. 2. E 01		04/29		3
					GR-B	3.2 +-0.7 E 01		04/29		3
					BE-7	L.T. 4. E 01		04/28		4
					K-40	L.T. 7. E 01		04/28		4
					MN-54	L.T. 4. E 00		04/28		4
					CO-58	L.T. 3. E 00		04/28		4
					FE-59	L.T. 8. E 00		04/28		4
					CO-60	L.T. 4. E 00		04/28		4
					ZN-65	L.T. 8. E 00		04/28		4
					ZR-95	L.T. 4. E 00		04/28		4
					RU-103	L.T. 5. E 00		04/28		4
					RU-106	L.T. 3. E 01		04/28		4
					I-131	L.T. 1. E 01		04/28		4
					CS-134	L.T. 4. E 00		04/28		4
					CS-137	L.T. 4. E 00		04/28		4
					BA-140	L.T. 9. E 00		04/28		4
					CE-141	L.T. 1. E 01		04/28		4
					CE-144	L.T. 3. E 01		04/28		4
					RA-226	L.T. 1. E 02		04/28		4
					TH-228	L.T. 8. E 00		04/28		4

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LAST PAGE OF REPORT

APPROVED BY *J. Guenther* 05/20/93

SEND 1 COPIES TO EC7225 M CATHY GERACI PROJECT MANAGER

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - GE(LI) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB. 6 - ALPHA SPEC LAB.

REPORT OF ANALYSIS
26 MAY 1993

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TELETYPE UNIT

 TELEDYNE ISOTOPES

50 Van Buren Ave., P.O. Box 1235
Westwood, N.J. 07675-1235
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FAX: 201/664-5586

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 05/25/93

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

WORK ORDER NUMBER 3-1369
 CUSTOMER P.O. NUMBER 14086
 DATE RECEIVED 04/30/93
 DELIVERY DATE 06/02/93
 PAGE 1

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP DATE				DATE	TIME		
12553	DR-1 DEARCDP	085020	04/28	1640	RA-226	L.T. 1. E 00		05/19			2
					GR-A	L.T. 4. E 00		05/07			3
					GR-B	L.T. 4. E 00		05/06			3
					RA-228	L.T. 1. E 00		04/30			3
					BE-7	L.T. 3. E 01		05/03			4
					K-40	L.T. 9. E 01		05/03			4
					MN-54	L.T. 3. E 00		05/03			4
					CO-58	L.T. 3. E 00		05/03			4
					FE-59	L.T. 6. E 00		05/03			4
					CO-60	L.T. 3. E 00		05/03			4
					ZN-65	L.T. 7. E 00		05/03			4
					ZR-95	L.T. 3. E 00		05/03			4
					RU-103	L.T. 3. E 00		05/03			4
					RU-106	L.T. 3. E 01		05/03			4
					I-131	L.T. 5. E 00		05/03			4
					CS-134	L.T. 3. E 00		05/03			4
					CS-137	L.T. 3. E 00		05/03			4
					BA-140	L.T. 4. E 00		05/03			4
					CE-141	L.T. 5. E 00		05/03			4
					CE-144	L.T. 2. E 01		05/03			4
					RA-226	L.T. 6. E 01		05/03			4
					TH-228	L.T. 5. E 00		05/03			4

LAST PAGE OF REPORT

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APPROVED BY *J. Guenther* 05/25/93

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - GE(LI) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB. 6 - ALPHA SPEC LAB.

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$\mathbb{R}^n$



**50 Van Buren Ave., P.O. Box 1235
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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 06/29/93

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 1

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

3-2309

06/25/93

07/28/93

14086

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP TIME				DATE	TIME		
95176	TP-1A DEPTH 8FT		11/05	1100	BE-7	L.T. 2. E-01		11/13		4	
					K-40	3.83+-1.95E-01		11/13		4	
					MN-54	L.T. 2. E-02		11/13		4	
					CO-58	L.T. 2. E-02		11/13		4	
					FE-59	L.T. 4. E-02		11/13		4	
					CO-60	L.T. 2. E-02		11/13		4	
					ZN-65	L.T. 3. E-02		11/13		4	
					ZR-95	L.T. 3. E-02		11/13		4	
					RU-103	L.T. 3. E-02		11/13		4	
					RU-106	L.T. 2. E-01		11/13		4	
					I-131	L.T. 5. E-02		11/13		4	
					CS-134	L.T. 3. E-02		11/13		4	
					CS-137	L.T. 2. E-02		11/13		4	
					BA-140	L.T. 5. E-02		11/13		4	
					CE-141	L.T. 5. E-02		11/13		4	
					CE-144	L.T. 2. E-01		11/13		4	
					RA-226	L.T. 6. E-01		11/13		4	
					TH-228	3.60+-0.37E-01		11/13		4	
					PB-214	3.85+-0.55E-01		11/13		4	
					BI-214	3.11+-0.54E-01		11/13		4	
					AC-228	4.38+-0.98E-01		11/13		4	
					PB-212	3.60+-0.38E-01		11/13		4	
					TL-208	3.89+-0.75E-01		11/13		4	
95177	TP-2A DEPTH 3FT		11/05	1135	BE-7	L.T. 2. E-01		11/13		4	
					K-40	9.43+-0.94E 00		11/13		4	
					MN-54	L.T. 3. E-02		11/13		4	
					CO-58	L.T. 2. E-02		11/13		4	
					FE-59	L.T. 5. E-02		11/13		4	
					CO-60	L.T. 2. E-02		11/13		4	
					ZN-65	L.T. 6. E-02		11/13		4	
					ZR-95	L.T. 3. E-02		11/13		4	
					RU-103	L.T. 3. E-02		11/13		4	

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TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 06/20/03

WORK ORDER NUMBER

CUSTOMER P.O. NUMBER

DATE RECEIVED

DELIVERY DATE

PAGE 2

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06/25/93

07/28/93

M CATHY GERACI PROJECT MANAGER
 ECOLOGY & ENVIRONMENT INC
 368 PLEASANT VIEW DR
 LANCASTER NY

14086

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE		NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME		VOLUME - UNITS ASH-WGHT-% *	LAB.
			START DATE	STOP TIME				DATE	TIME		
95177	TP-2A DEPTH 3FT		11/05	1135	RU-106	L.T. 2. E-01		11/13			4
					I-131	L.T. 5. E-02		11/13			4
					CS-134	L.T. 3. E-02		11/13			4
					CS-137	L.T. 3. E-02		11/13			4
					BA-140	L.T. 3. E-02		11/13			4
					CE-141	L.T. 5. E-02		11/13			4
					CE-144	L.T. 2. E-01		11/13			4
					RA-226	3.58+-0.40E 00		11/13			4
					TH-228	8.93+-0.89E-01		11/13			4
					PB-214	1.92+-0.19E 00		11/13			4
					BI-214	1.68+-0.17E 00		11/13			4
					AC-228	1.17+-0.12E 00		11/13			4
					PB-212	9.27+-0.93E-01		11/13			4
					TL-208	9.12+-0.91E-01		11/13			4
95178	TP-2C DEPTH 6FT		11/05	1210	BE-7	L.T. 3. E-01		11/13			4
					K-40	1.58+-0.38E 00		11/13			4
					MN-54	L.T. 3. E-02		11/13			4
					CO-58	L.T. 3. E-02		11/13			4
					FE-59	L.T. 6. E-02		11/13			4
					CO-60	L.T. 3. E-02		11/13			4
					ZN-65	L.T. 8. E-02		11/13			4
					ZR-95	L.T. 3. E-02		11/13			4
					RU-103	L.T. 3. E-02		11/13			4
					RU-106	L.T. 3. E-01		11/13			4
					I-131	L.T. 6. E-02		11/13			4
					CS-134	L.T. 3. E-02		11/13			4
					CS-137	L.T. 4. E-02		11/13			4
					BA-140	L.T. 5. E-02		11/13			4
					CE-141	L.T. 6. E-02		11/13			4
					CE-144	L.T. 2. E-01		11/13			4
					RA-226	L.T. 7. E-01		11/13			4
					TH-228	3.53+-0.46E-01		11/13			4

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06/20/03 14:08:00 14086

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 06/29/93

M CATHY GERACI PROJECT MANAGER ECOLOGY & ENVIRONMENT INC 368 PLEASANT VIEW DR LANCASTER NY	WORK ORDER NUMBER 3-2309 14086	CUSTOMER P.O. NUMBER	DATE RECEIVED 06/25/93	DELIVERY DATE 07/28/93	PAGE 3

S O I L

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE TIME	STOP DATE TIME	NUCLIDE	ACTIVITY (PCI/GM DRY)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE TIME	VOLUME - UNITS ASH-WGHT-% *	LAR.
95178	TP-2C DEPTH 6FT		11/05 1210		PB-214	2.60+-0.73E-01		11/13		4
					BI-214	1.59+-0.57E-01		11/13		4
					AC-228	3.27+-1.16E-01		11/13		4
					PB-212	3.41+-0.47E-01		11/13		4
					TL-208	3.26+-0.80E-01		11/13		4

LAST PAGE OF REPORT

APPROVED BY *J. Guenther*
J. GUENTHER 06/29/93

SEND 1 COPIES TO EC722S M CATHY GERACI PROJECT MANAGER

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - GE(LI) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB. 6 - ALPHA SPEC LAB.

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Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9207.055 Sampling Date(s): 8-14-92

Sample No. Sample Method Sample Volume (liters)	SG-1 Tedlar	SG-2 Tedlar	SG-A Tedlar	BL-1 Tedlar						
				Field Blank						
PURGEABLE HALOCARBONS										
Chloroethane										
1,1-dichloroethane										
1,2-dichloroethane										
Cis-1,2-dichloroethene										
1,1-dichloroethene										
trans-1,2-dichloroethene	58									
Methylene Chloride										
1,1,1-trichloroethane										
Trichloroethene	62									
Vinyl Chloride										
PURGEABLE AROMATICS										
Benzene	120 B									
Ethylbenzene	240									
Toluene	120 B	16 B	28 B	19						
Xylenes (total)*	80 B		14 B	13						

* Total xylenes are estimated values.

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.072 Sampling Date(s): 8-17-92

Sample No. Sample Method Sample Volume (liters) Dilution:	SG-3 Tedlar 1 20x	SG-4 Tedlar 1 10x	SG-16 Tedlar 1 10x	SG-7 Tedlar 1 10x	SG-8 Tedlar 1 20x	SG-10 Tedlar 1 10x	SG-B Tedlar 1 20x	SG-BL2 Tedlar 1 Field Blank
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane	17,000 J	13,000 J	140 B		70,000 J	520 J	44,000 J	26
1,2-dichloroethane								
Cis-1,2-dichloroethane								
1,1-dichloroethene								
trans-1,2-dichloroethene		4500 J	38		15,000 J	130		
Methylene Chloride	2,600 J	30,000 J			40,000 J		17,000 J	
1,1,1-trichloroethane								
Trichloroethene	20,000 J	4800 J	380 B	20 B	51,000 J	700 J	18,000 J	91
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene					18 B	28 B		28
Ethylbenzene	14 B		11 B	14 B	15 B	49 B	17 B	11
Toluene		600 J	84 B	56 B	210 B	75 B	240 B	92
Xylenes (total) *	26 B		29 B	42 B	30 B	25 B	43 B	33

* Total xylenes are estimated values..

Soil Gas Sample Results ($\mu\text{g}/\text{m}^3$)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.076 Sampling Date(s): 8-18-92

Sample No. Sample Method Sample Volume (liters) Dilution:	SG-5 Tedlar	SG-9 Tedlar	SG-11 Tedlar	SG-12 Tedlar	SG-13 Tedlar	SG-16 Tedlar	SG-17 Tedlar	SG-BL3 Tedlar
	1	1	1	1	1	1	1	1
		20x						
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane	26	1100				15	98	
1,2-dichloroethane								
cis-1,2-dichloroethene								
1,1-dichloroethene			110					
trans-1,2-dichloroethene			1700 J				120	
Methylene Chloride							160	
1,1,1-trichloroethane								
Trichloroethene	32	1600	330	340	38	76	530	
Vinyl Chloride			36 J					
PURGEABLE AROMATICS								
Benzene	28 B		200 J	11 B		15 B		
Ethylbenzene	34 B	11 B	2900 J	34 B	15 B	59 B	25 B	
Toluene	140 B	100 B	940 J	240 B	190 B	600	250 B	97
Xylenes (total) *	27 B	13 B	560 J	24 B	26 B	56 B	20 B	19

* Total xylenes are estimated values

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9262.308 Sampling Date(s): 9-9-92

Sample No. Sample Method Sample Volume (liters)	SG-68 Tedlar	SG-69 Tedlar	SG-70 Tedlar	SG-71 Tedlar	SG-72 Tedlar	SG-73 Tedlar			
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane		17			3800 J				
1,2-dichloroethane					53				
cis-1,2-dichloroethene					2900 J				
1,1-dichloroethene									
trans-1,2-dichloroethene					560				
Methylene Chloride		18		23	23				
1,1,1-trichloroethane		140			100				
Trichloroethene									
Vinyl Chloride		24	19		1400 J	25			
PURGEABLE AROMATICS									
Benzene		36 B	13 B	18 B	75000	14 B			
Ethylbenzene	17 B	14 B			75000	16 B			
Toluene	45 B	94 B	59 B	78 B	75000	60 B			
Xylenes (total) *	51 B	35 B	22 B	33 B	75000	19 B			

* Total xylenes are estimated values...

Soil Gas Sample Results ($\mu\text{g}/\text{m}^3$)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.310 Sampling Date(s): 9-9-92

Sample No. Sample Method Sample Volume (liters)	SG-58	SG-59	SG-60	SG-61	SG-74	SG-75	SG-76	SG-77	SG-78
Tedlar									
1									
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane									
1,2-dichloroethane									
cis-1,2-dichloroethene									
1,1-dichloroethene									
trans-1,2-dichloroethene									
Methylene Chloride			69			15			
1,1,1-trichloroethane	12 B								
Trichloroethene									
Vinyl Chloride									
PURGEABLE AROMATICS									
Benzene	32 B	62 B	10 B	23 B	19 B	390 J	15 B		
Ethylbenzene	23 B	18 B		10 B	18 B	135 J			
Toluene	120 B	130 B	73 B	63 B	110 B	600 J	57 B	64 B	
Xylenes (total)*	29 B	40 B	17 B	18 B	58 B	730 J	19 B	23 B	

* Total xylenes are estimated values;

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.320 Sampling Date(s): 9-10-92

Sample No. Sample Method Sample Volume (liters)	SG-52	SG-53	SG-54	SG-55	SG-56	SG-57	SG-62	SG-63	SG-66
	Tedjar-								
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane									
1,2-dichloroethane									
cis-1,2-dichloroethene									
1,1-dichloroethene									
trans-1,2-dichloroethene									
Methylene Chloride					10 B				
1,1,1-trichloroethane									
Trichloroethene			35						
Vinyl Chloride			99						
PURGEABLE AROMATICS									
Benzene	53 B	18 B	18 B	16 B	20 B	37 B	30 B	23 B	11 B
Ethylbenzene	380 B	21 B	36 B	16 B	20 B	35 B	17 B	15 B	14 B
Toluene	160 B	120 B	63 B	88 B	120 B	170 B	97 B	100 B	110 B
Xylenes (total) *	120 B	72 B		39 B	67 B	110 B	36 B	35 B	43 B

* Total xylenes are estimated values. . .

Site Name: Dearcop Farm Site Phase I RI

Case #: 92021320 Sampling Date(s): 9-10-92

[illegible]

* total kylenes are estimated values

Soil Gas Sample Results ($\mu\text{g}/\text{m}^3$)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9209.334 Sampling Date(s): 9-11-92

Sample No. Sample Method Sample Volume (liters)	SG-36	SG-36A	SG-43	SG-45	SG-51	SG-51A			
	Teiller								
	1								
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane									
1,2-dichloroethane									
cis-1,2-dichloroethene									
1,1-dichloroethene									
trans-1,2-dichloroethene									
Methylene Chloride									
1,1,1-trichloroethane									
Trichloroethene									
Vinyl Chloride									
PURGEABLE AROMATICS									
Benzene	19 B	11 B		15 A	18 B				
Ethylbenzene	27 B			11 B	11 B				
Toluene	63 B	49 B	63 B	81 B	72 B	53 B			
Xylenes (total) *	25 B	18 B	23 B	37 B	28 B	22 B			

* Total xylenes are estimated.

Soil Gas Sample (ug/m³) p. 1 of 2 Results

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.344 Sampling Date(s): 9-14-92

Sample No. Sample Method Sample Volume (liters)	SG-14	SG-18	SG-26	SG-27	SG-28	SG-64	SG-65	SG-65D
	Tedlar							
	1							
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane								
1,2-dichloroethane								
Cis-1,2-dichloroethene								
1,1-dichloroethene								
trans-1,2-dichloroethene								
Methylene Chloride			12 B	37 B			18 B	26 B
1,1,1-trichloroethane								
Trichloroethene								
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	34 B	13 B	20 B	33 B	31 B	12 B	27 B	
Ethylbenzene	31 B	10 B		15 B	16 B	14 B	16 B	
Toluene	85 B	53 B	45 B	91 B	77 B	68 B	69 B	44 B
Xylenes (total) *	67 B	33 B	24 B	50 B	39 B	43 B	34 B	38 B

* Total xylenes are estimated values.

Soil Gas Sample (ug/m³) Results

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DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.344 Sampling Date(s): 9-14-92

Sample No. Sample Method Sample Volume (liters)	SG-79	SG-80	SG-81	SG-FB															
	Tedlar																		
	1																		
				Field															
				B107K															
PURGEABLE HALOCARBONS																			
Chloroethane																			
1,1-dichloroethane																			
1,2-dichloroethane																			
cis-1,2-dichloroethene																			
1,1-dichloroethene																			
trans-1,2-dichloroethene	1.3																		
Methylene Chloride																			
1,1,1-trichloroethane																			
Trichloroethene																			
Vinyl Chloride																			
PURGEABLE AROMATICS																			
Benzene																			
Ethylbenzene																			
Toluene																			
Xylenes (total)																			

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Soil Gas Sample (ug/m³) Results

P. 1 of 2

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.358 Sampling Date(s): 9-15-92

Sample No. Sample Method Sample Volume (liters)	SG-21	SG-21D	SG-22	SG-23	SG-24	SG-33	SG-34	SG-35
	Ted/or							
	1							
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane			31					
1,2-dichloroethane								
Cis-1,2-dichloroethene			60					
1,1-dichloroethene								
trans-1,2-dichloroethene								
Methylene Chloride							150 B	17 B
1,1,1-trichloroethane			75				20	
Trichloroethene			1700					
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	12 B	21 B	31 B	33 B	16 B	15 B	20 B	33 B
Ethylbenzene	15 B	14 B		15 B	45 B		21 B	17 B
Toluene	71 B	82 B	66 B	76 B	130 B	66 B	120 B	110 B
Xylenes (total) *	54 B	30 B	27 B	40 B	39 B	28 B	70 B	33 B

* Total xylenes are estimated values. ..

Soil Gas Sample Results (ug/m³)

p. 2 of 2

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202358 Sampling Date(s): 9-15-92

Sample No. Sample Method Sample Volume (liters)	SG-37	SG-38	SG-39	SG-FB															
	Ted/er																		
PURGEABLE HALOCARBONS																			
Chloroethane																			
1,1-dichloroethane																			
1,2-dichloroethane																			
cis-1,2-dichloroethene																			
1,1-dichloroethene																			
trans-1,2-dichloroethene																			
Methylene Chloride	12	15	750																
1,1,1-trichloroethane																			
Trichloroethene																			
Vinyl Chloride																			
PURGEABLE AROMATICS																			
Benzene	221 B	301 B																	
Ethylbenzene		151 B	121 B																
Toluene	851 B	731 B	431 B	46															
Xylenes (total) *	151 B	361 B	411 B	25															

* Total xylenes are estimated values ..

Soil Gas Sample Results (ug/m³)

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DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.373 Sampling Date(s): 9-16-92

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Sample No. Sample Method Sample Volume (liters)	SG-15	SG-20	SG-25	SG-25D	SG-29	SG-30	SG-31	SG-32
	Tedlar							
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane								
1,2-dichloroethane								
cis-1,2-dichloroethene								
1,1-dichloroethene								
trans-1,2-dichloroethene								
Methylene Chloride	11 B	18 B	11 B			11 B	72 B	12 B
1,1,1-trichloroethane								
Trichloroethene								
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	17 B	53 B	21 B	13 B	32 B	43 B		21 B
Ethylbenzene	14 B	14 B	11 B	18 B	14 B	22 B		36 B
Toluene	61 B	100 B	70 B	52 B	74 B	160 B	94 B	140 B
Xylenes (total)*	29 B	43 B	32 B	26 B	45 B	71 B	14 B	100 B

* Total xylenes are estimated values...

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Site Name: Dearcop Farm Site Phase I RI

Sample No. Sample Method Sample Volume (liters)	SG-40 Tedlar	SG-42	SG-47	SG-FB
PURGEABLE HALOCARBONS				
Chloroethane				
1,1-dichloroethane				
1,2-dichloroethane				
cis-1,2-dichloroethane				
1,1-dichloroethene				
trans-1,2-dichloroethene				
Methylene Chloride		20 B		
1,1,1-trichloroethane				10
Trichloroethene				
Vinyl Chloride				
PURGEABLE AROMATICS				
Benzene	21 B	20 B	66 B	70
Ethylbenzene	13 B	19 B	30 B	23
Toluene	80 B	75 B	180 B	210
Xylene (total) *	32 B	40 B	63 B	79

* Total xylenes are estimated values..

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Soil Gas Sample (ug/m³) Results

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DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 92021478 Sampling Date(s): 9-24-92

Sample No. Sample Method Sample Volume (liters)	SG-A	SG-E	SG-H	SG-G	SG-F	SG-M	SG-L	SG-K
Tedlar								
1								
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane		>5000	>5000	24		10		
1,2-dichloroethane								
Cis-1,2-dichloroethene		310	>5000	15				
1,1-dichloroethene								
trans-1,2-dichloroethene		72	240					
Methylene Chloride	22	22	43					
1,1,1-trichloroethane		>5000	>5000	17				
Trichloroethene		>5000	>5000	79	34	43		
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	15 B	16 B	48 B			22 B	14 B	10 B
Ethylbenzene	11 B		120 B			10 B	17 B	
Toluene	58 B	160 B	18 B	39 B	34 B	86 B	61 B	89 B
Xylenes (total)*	42 B	27 B	27 B	12 B		38 B	23 B	17 B

* Total xylenes are estimated values.

$$(\mu\text{g}/\text{m}^3) \quad p. 2012$$
DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.478 Sampling Date(s): 9-24-92

Sample No. Sample Method Sample Volume (liters)	SG-P	SG-P(Dup)	SG-O	SG-FB
PURGEABLE HALOCARBONS				
Chloroethane				
1,1-dichloroethane				
1,2-dichloroethane				
cis-1,2-dichloroethene				
1,1-dichloroethene				
trans-1,2-dichloroethene				
Methylene Chloride				
1,1,1-trichloroethane				
Trichloroethene				
Vinyl Chloride				
PURGEABLE AROMATICS				
Benzene	11 B		13 B	
Ethylbenzene				
Toluene	50 B	29 B	49 B	54
Xylenes (total) *	12 B		17 B	27 J

* Total xylenes are estimated values.

Soil Gas Sample Results (ug/m³)

p. 1 of 2

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9207.496 Sampling Date(s): 9-25-92

Sample No. Sample Method Sample Volume (liters)	SG-N	SG-W	SG-V	SG-U	SG-T	SG-X	SG-Z	SG-Y
Tedlar								
1								
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane								
1,2-dichloroethane								
cis-1,2-dichloroethene								
1,1-dichloroethene								
trans-1,2-dichloroethene								
Methylene Chloride								
1,1,1-trichloroethane				10			39	
Trichloroethene			59		390		99	
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	13 B	18 B	12 B	13 B	11 B		11 B	17 B
Ethylbenzene		12 B		16 B				
Toluene	78 B	90 B	72 B	100 B	82 B	74 B	91 B	89 B
Xylenes (total)*	31 B	41 B	39 B	30 B	30 B	24 B	38 B	32 B

* Total xylenes are estimated values, ..

Soil Gas Sample Results (ug/m³)

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DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.496 Sampling Date(s): 9-25-92

Sample No. Sample Method Sample Volume (liters)	SG-S Tedlar	SG-FBI	SG-J	SG-J(Dup)															
	1			5															
PURGEABLE HALOCARBONS																			
Chloroethane																			
1,1-dichloroethane			2500	710															
1,2-dichloroethane																			
cis-1,2-dichloroethene			140	57															
1,1-dichloroethene																			
trans-1,2-dichloroethene																			
Methylene Chloride																			
1,1,1-trichloroethane			5000 J	5000 J															
Trichloroethene			1400	350															
Vinyl Chloride	<50	<50																	
PURGEABLE AROMATICS																			
Benzene	14 B	10																	
Ethylbenzene		12																	
Toluene	84 B	48	51 B	43 B															
Xylenes (total) *	31 B	21 J	15 B	26 B															

* Total xylenes are estimated values.

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.5/4 Sampling Date(s): 9-28-92

Sample No. Sample Method Sample Volume (liters)	SG-Q	SG-I	SG-D	SG-C	SG-B	SG-FB	SG-M	SG-M(Dip)
Tedlar								
1								
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane	81	2400		26				
1,2-dichloroethane		46						
Cis-1,2-dichloroethene		14						
1,1-dichloroethene		25 B				10		
trans-1,2-dichloroethene		14 B				36	14 B	
Methylene Chloride								
1,1,1-trichloroethane	540	3000	14	14				
Trichloroethene	380	2400	23	44	16			
Vinyl Chloride			200					
PURGEABLE AROMATICS								
Benzene	55 B	20 B	40 B	21 B	27 B	52	33 B	15 B
Ethylbenzene	20 B				14 B	11	12 B	
Toluene	160 B	71 B	260 B	130 B	65 B	160	160 B	64 B
Xylenes (total) *	51 B		86 B		34 B	65 J	34 B	24 B

* Total xylenes are estimated values.

Soil Gas Sample Results (ug/m³)

p. 1 of 2

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.524 Sampling Date(s): 9-29-92

Sample No. Sample Method Sample Volume (liters)	SG-DD	SG-AA	SG-AA(Vg)	SG-82	SG-BB	SG-CC	SG-R	SG-83
	Tedlar							
	/							
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane		>5000	>5000		>5000			
1,2-dichloroethane					63			
cis-1,2-dichloroethene		>5000	>5000	19	90			
1,1-dichloroethene								
trans-1,2-dichloroethene		420	430	280				
Methylene Chloride			12	12		88		
1,1,1-trichloroethane	10	>5000	>5000	93				
Trichloroethene		>5000	>5000	160	970			
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	43 B	20 B	11 B	38 B	43 B		25 B	24 B
Ethylbenzene	13 B				47 B		23 B	20 B
Toluene	150 B	84 B	53 B	99 B	150 B	47 B	69 B	80 B
Xylenes (total) *	57 B	24 B	17 B	35 B	38 B	32 B	35 B	58 B

* Total xylenes are estimated values...

$(\mu g/m^3)$

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DATA SUMMARY FORM:

Site Name: Deerpark Farm Site Phase I RI

Case #: 9202.524 Sampling Date(s): 9-29-92

Sample No.	SG-84	SG-85	SG-FA
Sample Method	Tedlar	Tedlar	Tedlar
Sample Volume (liters)	1	1	1
PURGEABLE HALOCARBONS			
Chloroethane			
1,1-dichloroethane			
1,2-dichloroethane			
Cis-1,2-dichloroethene			
1,1-dichloroethene			
trans-1,2-dichloroethene			
Methylene Chloride			
1,1,1-trichloroethane			
Trichloroethene			
Vinyl Chloride			
PURGEABLE AROMATICS			
Benzene	44 B	21 B	
Ethylbenzene	26 B	11 B	
Toluene	140 B	56 B	34
Xylenes (total) *	96 B	28 B	27 J

• total xylenes are estimated values

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.546 Sampling Date(s): 9-30-92

Sample No. Sample Method Sample Volume (liters)	SG-86	SG-87	SG-88	SG-89	SG-90	SG-90(RM)			
	Tedlar-					5			
	1					7			
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane									
1,2-dichloroethane									
cis-1,2-dichloroethene									
1,1-dichloroethene									
trans-1,2-dichloroethene									
Methylene Chloride	16 B	18 B							
1,1,1-trichloroethane									
Trichloroethene									
Vinyl Chloride									
PURGEABLE AROMATICS									
Benzene	28 B	18 B	14 B	12 B	22 B				
Ethylbenzene	22 B	15 B	25 B	20 B		11 B			
Toluene	110 B	59 B	53 B	51 B	58 B	39 B			
Xylenes (total) *	59 B	34 B	34 B	30 B	42 B	26 B			

* total xylenes are estimated values

Soil Gas Sample Results ($\mu\text{g}/\text{m}^3$)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.600 Sampling Date(s): 10-5-92

Sample No. Sample Method Sample Volume (liters)	SG-9B	SG-6G	SG-94	SG-EE	SG-FF	SG-96	SG-7I	SG-FB	SG-HH
	Tellor								
	1								
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane		560 J							
1,2-dichloroethane									
cis-1,2-dichloroethene		180			240				
1,1-dichloroethene		19							
trans-1,2-dichloroethene									
Methylene Chloride									>5000
1,1,1-trichloroethane	11	2100 J							
Trichloroethene		2100 J	46	37	290	55	66		
Vinyl Chloride									
PURGEABLE AROMATICS									
Benzene	11 B		19 B	14 B	13 B	12 B			
Ethylbenzene					10 B				
Toluene	26 B	17 B	38 B	29 B	40 B	40 B	30 B	24	17
Xylenes (total) *	25 B	15 B	28 B	30 B	16 B	26 B	18 B	15 J	12

* Total xylenes are estimated values..

Soil Gas Sample Results (ug/m³)

p. 1 of 2

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.609 Sampling Date(s): 10-6-92

Sample No. Sample Method Sample Volume (liters)	SG-FB	SG-93	SG-92	SG-91	SG-97	SG-97D	SG-98	SG-106
	Tedlar							
PURGEABLE HALOCARBONS								
Chloroethane					NA			
1,1-dichloroethane			320	>5000				
1,2-dichloroethane								
Cis-1,2-dichloroethane			>5000	>5000				
1,1-dichloroethene				400				
trans-1,2-dichloroethene			>5000	150				
Methylene Chloride				54 B				
1,1,1-trichloroethane			17	>5000				
Trichloroethene			>5000	>5000				
Vinyl Chloride				>5000				
PURGEABLE AROMATICS								
Benzene	11		10 B	>5000			15 B	
Ethylbenzene	22	14 B		85 B				
Toluene	56	50 B	36 B	>5000			46 B	28 B
Xylenes (total) *	60 J	43 B	30 B	33 B	N		37 B	24 B

NA = Not analyzed; bag deflated

* Total xylenes are estimated values.

Soil Gas Sample Results (ug/m³)

p. 2 of 2

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202,609 Sampling Date(s): 10-6-92

Sample No. Sample Method Sample Volume (liters)	SG-105	SG-104	SG-99	SG-100	SG-101	SG-102	SG-103
	Tedlar						
	1						
PURGEABLE HALOCARBONS							
Chloroethane					NA		
1,1-dichloroethane							
1,2-dichloroethane							
Cis-1,2-dichloroethene							
1,1-dichloroethene							
trans-1,2-dichloroethene							
Methylene Chloride							
1,1,1-trichloroethane				30		16	
Trichloroethene	59			84		110	
Vinyl Chloride							
PURGEABLE AROMATICS							
Benzene				19 B		19 B	
Ethylbenzene							
Toluene	35 B			62 B		78 B	20 B
Xylenes (total) *	35 B			47 B		57 B	28 B

NA = Not analyzed; bag deflated.

* Total xylenes are estimated values.

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

p. 1 of 2

Site Name: Dearcop Farm Site Phase I RI

Case #: 9262.639 Sampling Date(s): 10-8-92

Sample No. Sample Method Sample Volume (liters)	SG-107	SG-108	SG-109	SG-110	SG-111	SG-FB	SG-112		
	Tedlar								
	1								
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane									
1,2-dichloroethane									
Cis-1,2-dichloroethene									
1,1-dichloroethene									
trans-1,2-dichloroethene									
Methylene Chloride									
1,1,1-trichloroethane				200					
Trichloroethene									
Vinyl Chloride									
PURGEABLE AROMATICS									
Benzene	16 B	19 B			14 B		14 B		
Ethylbenzene							13 B		
Toluene	57 B	41 B	23 B	34 B	36 B	34	62 B		
Xylenes (total) *	31 B	17 B	12 B	20 B	20 B	27 J	33 B		

* Total xylenes are estimated values ..

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Site Name: Dearcop Farm Site Phase I RI

Sample No.	SG-113	SG-113D	SG-114																	
Sample Method	Tedlar																			
Sample Volume (liters)	1																			
PURGEABLE HALOCARBONS																				
Chloroethane																				
1,1-dichloroethane																				
1,2-dichloroethane																				
cis-1,2-dichloroethene																				
1,1-dichloroethene																				
trans-1,2-dichloroethene																				
Methylene Chloride	100		40																	
1,1,1-trichloroethane																				
Trichloroethene																				
Vinyl Chloride																				
PURGEABLE AROMATICS																				
Benzene	32 B				18 B															
Ethylbenzene	18 B																			
Toluene	140 B		39 B		78 B															
Xylenes (total) *	110 B		21 B		50 B															

* estimated values, ...

* Total xylenes are estimated values. . .

$(\mu\text{g}/\text{m}^3)$

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.761 Sampling Date(s): 10-20-92

Sample No. Sample Method Sample Volume (liters)	SG-116	SG-117	SG-118	SG-119						
	Ted/or									
	1									
PURGEABLE HALOCARBONS										
Chloroethane										
1,1-dichloroethane										
1,2-dichloroethane										
cis-1,2-dichloroethene										
1,1-dichloroethene										
trans-1,2-dichloroethene										
Methylene Chloride										
1,1,1-trichloroethane										
Trichloroethene										
Vinyl Chloride										
PURGEABLE AROMATICS										
Benzene	29 B	11 B	13 B	16 B						
Ethylbenzene	26 B	13 B	11 B	11 B						
Toluene	130 B	60 B	43 B	55 B						
Xylenes (total) *	110 P	51 B	41 B	44 B						

* Total Volumes are estimated values.

Soil Gas Sample Results (ug/m³)

p. 1 of 2

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 92021775 Sampling Date(s): 10-20-92

Sample No. Sample Method Sample Volume (liters)	SG-120	SG-121	SG-122	SG-124	SG-124D	SG-125	SG-FB	SG-123
Tedlar								
1								
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane								
1,2-dichloroethane								
Cis-1,2-dichloroethene								
1,1-dichloroethene								
trans-1,2-dichloroethene								
Methylene Chloride					17 B			14 B
1,1,1-trichloroethane								
Trichloroethene								
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	11 B	12 B	12 B	18 B				
Ethylbenzene	12 B	15 B	15 B	16 B				
Toluene	53 B	49 B	53 B	87 B	36 B	38 B	41	37 B
Xylenes (total) *	44 B	44 B	61 B	53 B	39 B	27 B	22	29 B

* Total xylenes are estimated values...

Soil Gas Sample (ug/m³) Results

DATA SUMMARY FORM:

p. 2 of 2

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.775 Sampling Date(s): 10-20-92

Sample No. Sample Method Sample Volume (liters)	SG-126	SG-127	SG-128	SG-129	SG-130	SG-131			
	Tedlar								
	1								
PURGEABLE HALOCARBONS									
Chloroethane						N/A			
1,1-dichloroethane		2600							
1,2-dichloroethane									
cis-1,2-dichloroethane	890	400							
1,1-dichloroethene									
trans-1,2-dichloroethene	85	42							
Methylene Chloride	25 B	15 B		26 B		19 B			
1,1,1-trichloroethane		880							
Trichloroethene	1500	2100							
Vinyl Chloride									
PURGEABLE AROMATICS									
Benzene	16 B	21 B	14 B	17 B					
Ethylbenzene	12 B	26 B	12 B	48 B		25 B			
Toluene	81 B	100 B	68 B	100 B		59 B			
Xylenes (total)*	27 B	33 B	43 B	110 B		61 B			

NA = Not analyzed; bag deflated.

* Total xylenes are estimated values.

$(\mu g/m^3)$ **DATA SUMMARY FORM:**

Site Name: Deerpark Farm Site Phase I K1

Case #: 9202.867 Sampling Date(s): 10-29-92

Sample No. Sample Method Sample Volume (liters)	SG-132	SG-133	SG-134	SG-135
	Tedlar			
PURGEABLE HALOCARBONS				
Chloroethane				
1,1-dichloroethane	230			
1,2-dichloroethane				
Cis-1,2-dichloroethene	100		24	
1,1-dichloroethene				
trans-1,2-dichloroethene				
Methylene Chloride			260 B	
1,1,1-trichloroethane	750			
Trichloroethene	2500	67 B	35 B	16 B
Vinyl Chloride			73	
PURGEABLE AROMATICS				
Benzene	16 B	27 B	49 B	15 B
Ethylbenzene	60 B	58 B	1000	27 B
Toluene	100 B	150 B	7500	13 B
Xylenes (total)	60 B	150 B		95 B

* Total expenses are estimated values.

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9203.112 Sampling Date(s): 12-1-92

Sample No. Sample Method Sample Volume (liters)	SG-136 Tedlar	SG-137 Tedlar	SG-138 Tedlar	SG-139 Tedlar	SG-140 Tedlar	SG-141 Tedlar	SG-FB-1 Tedlar
PURGEABLE HALOCARBONS							
Chloroethane					NA		
1,1-dichloroethane							
1,2-dichloroethane							
cis-1,2-dichloroethene							
1,1-dichloroethene							
trans-1,2-dichloroethene							
Methylene Chloride		21 B					11 B
1,1,1-trichloroethane						46	
Trichloroethene						250	
Vinyl Chloride							
PURGEABLE AROMATICS							
Benzene	14 B	14 B	57 B	15 B			12
Ethylbenzene	11 B	17 B	37 B	16 B		95 B	23
Toluene	71 B	69 B	200 B	87 B		110 B	96
Xylenes (total)*	36 B	74 B	130 B	56 B	✓	60 B	46

NA = Not analyzed; bag deflated.

* Total xylenes are estimated values.

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9302.619 Sampling Date(s): 10-7-92

Sample No. Sample Method Sample Volume (liters)	SA-11-T10	SA-54 T1	SA-FB-T20																	
	Tenax	Tenax	Tenax																	
	10	1	20																	
PURGEABLE HALOCARBONS																				
Chloroethane																				
1,1-dichloroethane																				
1,2-dichloroethane																				
cis-1,2-dichloroethene																				
1,1-dichloroethene																				
trans-1,2-dichloroethene																				
Methylene Chloride	1.2	B	42	B	0.6	B														
1,1,1-trichloroethane	1.8	B			3.2															
Trichloroethene					0.7															
Vinyl Chloride																				
PURGEABLE AROMATICS																				
Benzene	2.7	B			1.7															
Ethylbenzene	3.2	B			1.7															
Toluene	19	B	39	B	4.0															
Xylenes (total)	16	B	38	B	7.6															

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Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.639 Sampling Date(s): 10-8-92

Sample No. Sample Method Sample Volume (liters)	36-14-T20	36-94-T20	36-83-T20	66-83-T20															
	Tenax	Tenax	Tenax	Tenax															
	20	20	20	20															
PURGEABLE HALOCARBONS																			
Chloroethane																			
1,1-dichloroethane																			
1,2-dichloroethane																			
cis-1,2-dichloroethene																			
1,1-dichloroethene																			
trans-1,2-dichloroethene																			
Methylene Chloride	0.6	B	1.1	B	0.8	B	0.5	B											
1,1,1-trichloroethane	1.0		1.3	B															
Trichloroethene			1.2	B															
Vinyl Chloride																			
PURGEABLE AROMATICS																			
Benzene	2.0	B	1.8	B	0.7	B	0.9	B											
Ethylbenzene	2.3	B	2.8	B	1.1	B	1.3	B											
Toluene	10	B	8.6	B	4.9	B	5.2	B											
Xylenes (total)	13	B	14	B	5.9	B	4.4	B											

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.680 Sampling Date(s): 10-12-92

Sample No.	56-101-T20	56-100-T20	56-102-T20						
Sample Method	tenax	tenax	tenax						
Sample Volume (liters)	20	20	20						
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane									
1,2-dichloroethane									
cis-1,2-dichloroethene									
1,1-dichloroethene									
trans-1,2-dichloroethene									
Methylene Chloride	2.3	B	1.2	B	1.0	B			
1,1,1-trichloroethane	1.1	B			0.9	B			
Trichloroethene									
Vinyl Chloride									
PURGEABLE AROMATICS									
Benzene	6.2	B			2.7	B			
Ethylbenzene	5.2	B			4.6	B			
Toluene	24	B			18	B			
Xylenes (total)	31	B			22	B			

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Environmental Sciences, Inc. 10/12/92

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9208.616 Sampling Date(s): 10-13-92

Sample No. Sample Method Sample Volume (liters)	56-27-T20 Tenax 20	56-103-T20 Tenax 20	56-FB-T01 Tenax 0	56-84-T20 Tenax 20	56-85-T20 Tenax 20	56-1-T20 Tenax 20	56-47-T20 Tenax 20	56-115-T20 Tenax 20
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane								
1,2-dichloroethane		1.4						
cis-1,2-dichloroethane								
1,1-dichloroethene								
trans-1,2-dichloroethene								
Methylene Chloride		0.8 B	3.1 B	0.5 B	0.7 B			
1,1,1-trichloroethane	1.2	12	B	0.8 B		1.5 B	1.6 B	
Trichloroethene						9.9		
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	3.3	2.0 B		4.0 B		15	5.7 B	1.3 B
Ethylbenzene	5.2	2.6 B		4.0 B		4.4 B	3.7 B	2.7 B
Toluene	20	12 B		20 B	1.2 B	52	20 B	11 B
Xylenes (total)	25	11 B		20 B		24 B	19 B	12 B

Soil Gas Sample Results (ug/m³)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case # 8207.761 Sampling Date(s): 10-19-92

T-20-10/19

Sample No. Sample Method Sample Volume (liters)	SB-20-T20	SB-18-T20	SB-105-T20	SB-110-T20	SB-48-T20	SB-48-T20	SB-88-T20	SB-FB
	TCMAX	TCMAX	TCMAX	TCMAX	TCMAX	TCMAX	TCMAX	TCMAX
	20 Liters	20	20	20	20	20	20	20
PURGEABLE HALOCARBONS								
Chloroethane								
1,1-dichloroethane								
1,2-dichloroethane								
cis-1,2-dichloroethene								
1,1-dichloroethene								
trans-1,2-dichloroethene								
Methylene Chloride	0.54 B	0.51 B	1.2 B	3.4 B		0.6 B		
1,1,1-trichloroethane	18		0.63 B	0.72 B			1.5 B	
Trichloroethene								
Vinyl Chloride								
PURGEABLE AROMATICS								
Benzene	3.4	2.1	1.9 B	1.5 B		0.86 B	2.1 B	
Ethylbenzene	3.6	4.6	2.4 B	3.3 B		2.0 B	6.3 B	
Toluene	18	228	16 B	12 B	2.2 B	7.9 B	22 B	
Xylenes (total)	22	24	11 B	16 B	2.4 B	9.1 B	29 B	

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Soils and groundwater

Soil Gas Sample Results ($\mu\text{g}/\text{m}^3$)

DATA SUMMARY FORM:

Site Name: Dearcop Farm Site Phase I RI

Case #: 9202.867 Sampling Date(s): 10-29-92

	SG-	SG-	SG-						
Sample No.	129-T30	130-T20	FB-T0						
Sample Method	Tenax	Tenax	Tenax						
Sample Volume (liters)	20	20	20						
PURGEABLE HALOCARBONS									
Chloroethane									
1,1-dichloroethane									
1,2-dichloroethane									
Cis-1,2-dichloroethene									
1,1-dichloroethene									
trans-1,2-dichloroethene									
Methylene Chloride	2.6 B	1.4 B	1.8 B						
1,1,1-trichloroethane	0.9 B	1.5 B							
Trichloroethene									
Vinyl Chloride									
PURGEABLE AROMATICS									
Benzene	19	11							
Ethylbenzene	58 J	33 J							
Toluene	>50 J	68 J							
Xylenes (total)*	>200 J	>180 J							

* Total xylenes are estimated values

APPENDIX D

GEOPHYSICAL SURVEY DATA

DEARCOP TOTAL MAGNETIC FIELD

C.I. = 100 GAMMAS

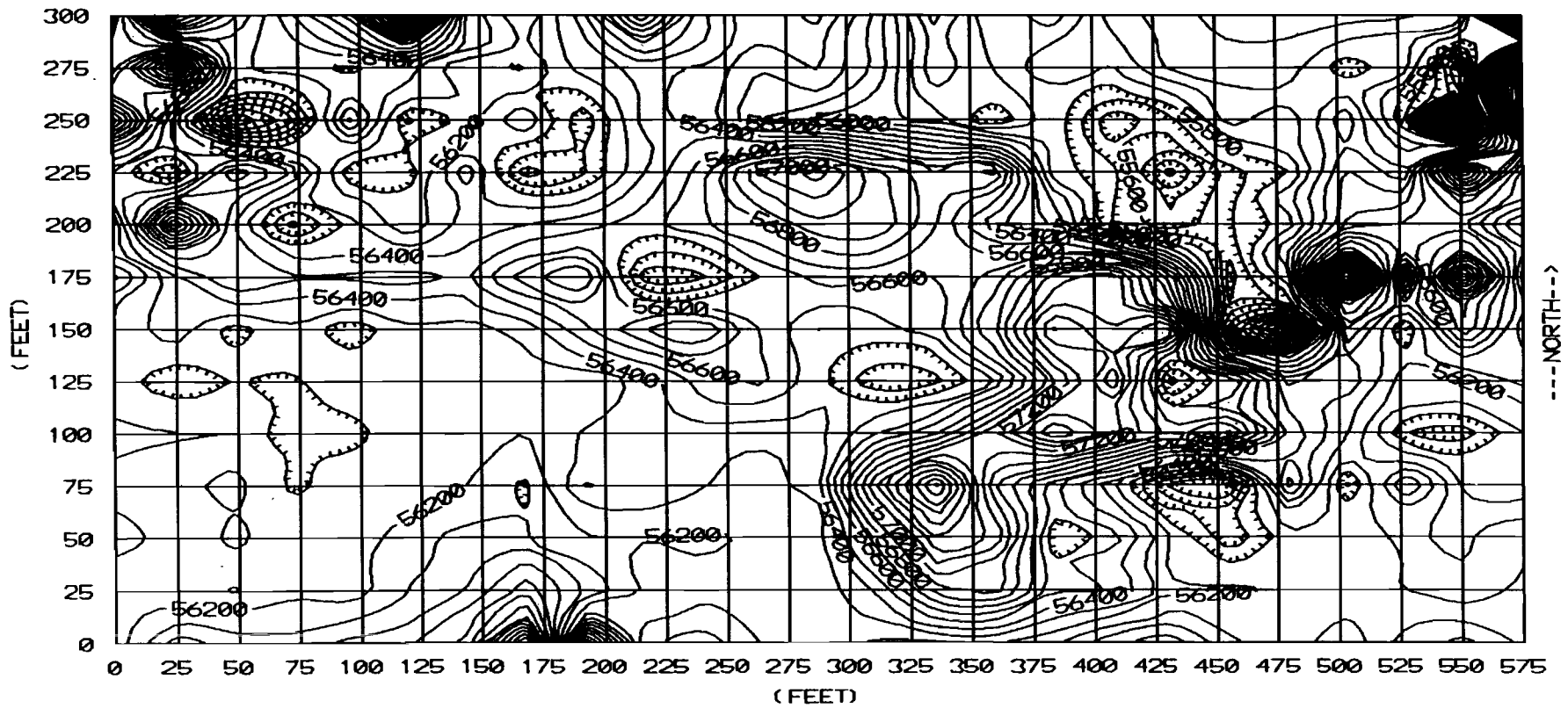


Figure D-1

DEARCOP (VACANT LOT) MAG DATA

0.000	0.000	56253.225
0.000	25.000	56248.458
0.000	50.000	56339.626
0.000	75.000	56279.201
0.000	100.000	56331.161
0.000	125.000	56261.414
0.000	150.000	56209.660
0.000	175.000	55978.305
0.000	200.000	56192.251
0.000	225.000	56492.389
0.000	250.000	57570.835
0.000	275.000	56748.210
0.000	300.000	56971.048
25.000	0.000	55951.570
25.000	25.000	56266.213
25.000	50.000	56257.531
25.000	75.000	56270.470
25.000	100.000	56304.903
25.000	125.000	56123.835
25.000	150.000	56366.064
25.000	175.000	56374.389
25.000	200.000	57427.622
25.000	225.000	56191.361
25.000	250.000	56476.601
25.000	275.000	57599.241
25.000	300.000	55508.766
50.000	0.000	56042.227
50.000	25.000	56309.787
50.000	50.000	56315.340
50.000	75.000	56330.708
50.000	100.000	56301.756
50.000	125.000	56204.574
50.000	150.000	56150.334
50.000	175.000	56604.887
50.000	200.000	56508.626
50.000	225.000	56903.664
50.000	250.000	55557.702
50.000	275.000	56274.955
50.000	300.000	56048.423
75.000	0.000	56056.704
75.000	25.000	56226.377
75.000	50.000	56254.449
75.000	75.000	56172.347
75.000	100.000	56113.594
75.000	125.000	56183.542
75.000	150.000	56276.564
75.000	175.000	56535.287
75.000	200.000	56018.209
75.000	225.000	56617.832
75.000	250.000	55822.179
75.000	275.000	56344.902
75.000	300.000	56482.623
100.000	0.000	55949.336
100.000	25.000	56273.864
100.000	50.000	56279.991
100.000	75.000	56255.994
100.000	100.000	56171.547
100.000	125.000	56276.725
100.000	150.000	56099.503
100.000	175.000	56552.955
100.000	200.000	56347.508
100.000	225.000	55969.435
100.000	250.000	56716.762
100.000	275.000	56235.890

100.000	300.000	56868.793
125.000	0.000	55883.536
125.000	25.000	56094.357
125.000	50.000	56116.155
125.000	75.000	56283.727
125.000	100.000	56251.174
125.000	125.000	56231.822
125.000	150.000	56269.094
125.000	175.000	56603.267
125.000	200.000	56070.314
125.000	225.000	55981.187
125.000	250.000	55900.559
125.000	275.000	56279.306
125.000	300.000	58501.051
150.000	0.000	55776.967
150.000	25.000	56038.196
150.000	50.000	56047.027
150.000	75.000	56205.255
150.000	100.000	56264.182
150.000	125.000	56258.135
150.000	150.000	56223.312
150.000	175.000	56487.789
150.000	200.000	56366.567
150.000	225.000	56622.794
150.000	250.000	56134.096
150.000	275.000	55984.998
150.000	300.000	56232.500
175.000	0.000	54112.785
175.000	25.000	55650.781
175.000	50.000	56120.677
175.000	75.000	55993.497
175.000	100.000	56187.470
175.000	125.000	56181.992
175.000	150.000	56286.239
175.000	175.000	56914.186
175.000	200.000	56389.333
175.000	225.000	55722.754
175.000	250.000	56565.599
175.000	275.000	56054.645
175.000	300.000	55967.716
200.000	0.000	58509.127
200.000	25.000	55991.756
200.000	50.000	56246.809
200.000	75.000	56588.987
200.000	100.000	56371.864
200.000	125.000	56109.391
200.000	150.000	56668.645
200.000	175.000	57133.723
200.000	200.000	56494.600
200.000	225.000	56005.402
200.000	250.000	55792.204
200.000	275.000	56403.006
200.000	300.000	56554.109
225.000	0.000	55380.911
225.000	25.000	56197.956
225.000	50.000	56118.176
225.000	75.000	56386.221
225.000	100.000	56313.933
225.000	125.000	56235.146
225.000	150.000	57117.274
225.000	175.000	55621.987
225.000	200.000	56690.491
225.000	225.000	56497.812
225.000	250.000	56688.940
225.000	275.000	56340.961
225.000	300.000	57915.629

250.000	0.000	56095.437
250.000	25.000	56416.240
250.000	50.000	56144.328
250.000	75.000	56325.031
250.000	100.000	56341.227
250.000	125.000	56643.422
250.000	150.000	57281.926
250.000	175.000	56119.314
250.000	200.000	56852.725
250.000	225.000	56741.029
250.000	250.000	56208.533
250.000	275.000	56346.028
250.000	300.000	55905.624
275.000	0.000	56326.645
275.000	25.000	56297.729
275.000	50.000	56206.722
275.000	75.000	56023.395
275.000	100.000	56239.232
275.000	125.000	56800.460
275.000	150.000	56122.265
275.000	175.000	56655.785
275.000	200.000	56614.298
275.000	225.000	58027.050
275.000	250.000	55397.463
275.000	275.000	56218.875
275.000	300.000	56445.804
300.000	0.000	56139.785
300.000	25.000	56097.756
300.000	50.000	56273.595
300.000	75.000	56580.327
300.000	100.000	56489.703
300.000	125.000	56095.966
300.000	150.000	56448.562
300.000	175.000	56629.349
300.000	200.000	57237.061
300.000	225.000	57530.673
300.000	250.000	55542.212
300.000	275.000	56750.000
300.000	300.000	56802.195
325.000	0.000	55930.041
325.000	25.000	56851.277
325.000	50.000	57255.507
325.000	75.000	59090.340
325.000	100.000	56427.670
325.000	125.000	56137.794
325.000	150.000	56528.721
325.000	175.000	56555.348
325.000	200.000	56887.173
325.000	225.000	56531.102
325.000	250.000	55863.329
325.000	275.000	55413.459
325.000	300.000	55092.988
350.000	0.000	56029.029
350.000	25.000	57333.000
350.000	50.000	57631.675
350.000	75.000	56819.648
350.000	100.000	57204.323
350.000	125.000	55977.598
350.000	150.000	56794.071
350.000	175.000	56539.047
350.000	200.000	56121.524
350.000	225.000	57780.297
350.000	250.000	55060.872
350.000	275.000	55805.248
350.000	300.000	56093.221
375.000	300.000	55559.540

375.000	275.000	56134.304
375.000	250.000	55969.674
375.000	225.000	55768.250
375.000	200.000	56172.523
375.000	175.000	57247.898
375.000	150.000	57770.173
375.000	125.000	56769.646
375.000	100.000	58023.215
375.000	75.000	56388.981
375.000	50.000	56215.752
375.000	25.000	56543.920
375.000	0.000	56067.789
400.000	0.000	55812.229
400.000	25.000	56654.997
400.000	50.000	56738.670
400.000	75.000	56104.346
400.000	100.000	57568.521
400.000	125.000	57816.998
400.000	150.000	57234.571
400.000	175.000	57648.042
400.000	200.000	55477.815
400.000	225.000	55913.588
400.000	250.000	55404.759
400.000	275.000	55853.780
400.000	300.000	56053.453
425.000	300.000	56153.357
425.000	275.000	56154.927
425.000	250.000	55587.489
425.000	225.000	55098.458
425.000	200.000	55386.128
425.000	175.000	56846.397
425.000	150.000	58041.863
425.000	125.000	56447.032
425.000	100.000	57184.702
425.000	75.000	55508.173
425.000	50.000	56254.039
425.000	25.000	56241.206
425.000	0.000	55754.818
450.000	0.000	56078.526
450.000	25.000	56252.585
450.000	50.000	55871.754
450.000	75.000	55470.312
450.000	100.000	57425.456
450.000	125.000	57183.499
450.000	150.000	55147.205
450.000	175.000	55446.071
450.000	200.000	55676.342
450.000	225.000	55641.515
450.000	250.000	56092.559
450.000	275.000	56181.220
450.000	300.000	56261.379
475.000	0.000	56151.039
475.000	25.000	56182.888
475.000	50.000	56170.622
475.000	75.000	56711.576
475.000	100.000	56589.025
475.000	125.000	56407.457
475.000	150.000	54289.308
475.000	175.000	55919.798
475.000	200.000	55784.659
475.000	225.000	55751.206
475.000	250.000	55898.499
475.000	275.000	56167.950
475.000	300.000	56295.913
500.000	0.000	56273.006
500.000	25.000	56167.270

500.000	50.000	56170.814
500.000	75.000	55948.955
500.000	100.000	56316.701
500.000	125.000	56509.161
500.000	150.000	56644.777
500.000	175.000	58613.099
500.000	200.000	56395.854
500.000	225.000	56332.018
500.000	250.000	56306.805
500.000	275.000	55931.142
500.000	300.000	56259.766
525.000	0.000	56048.705
525.000	25.000	56203.077
525.000	50.000	56211.574
525.000	75.000	56520.223
525.000	100.000	55891.809
525.000	125.000	56138.045
525.000	150.000	56067.478
525.000	175.000	55990.717
525.000	200.000	56511.150
525.000	225.000	56118.395
525.000	250.000	55708.170
525.000	275.000	56076.368
525.000	300.000	56226.371
550.000	0.000	55973.599
550.000	25.000	56269.730
550.000	50.000	56181.797
550.000	75.000	56071.884
550.000	100.000	55846.065
550.000	125.000	56202.165
550.000	150.000	56789.904
550.000	175.000	57617.975
550.000	200.000	56525.246
550.000	225.000	57531.994
550.000	250.000	54041.911
550.000	275.000	55236.017
550.000	300.000	56150.778
575.000	0.000	56124.062
575.000	25.000	56168.450
575.000	50.000	56293.624
575.000	75.000	56030.631
575.000	100.000	56097.767
575.000	125.000	56331.292
575.000	150.000	56241.917
575.000	175.000	56161.251
575.000	200.000	56080.087
575.000	225.000	56451.216
575.000	250.000	58104.445
575.000	275.000	57713.410
575.000	300.000	54018.297

DEARCOP CONDUCTIVITY VERTICAL DIPOLE

C. I. = 4 MILLIHOS/METER

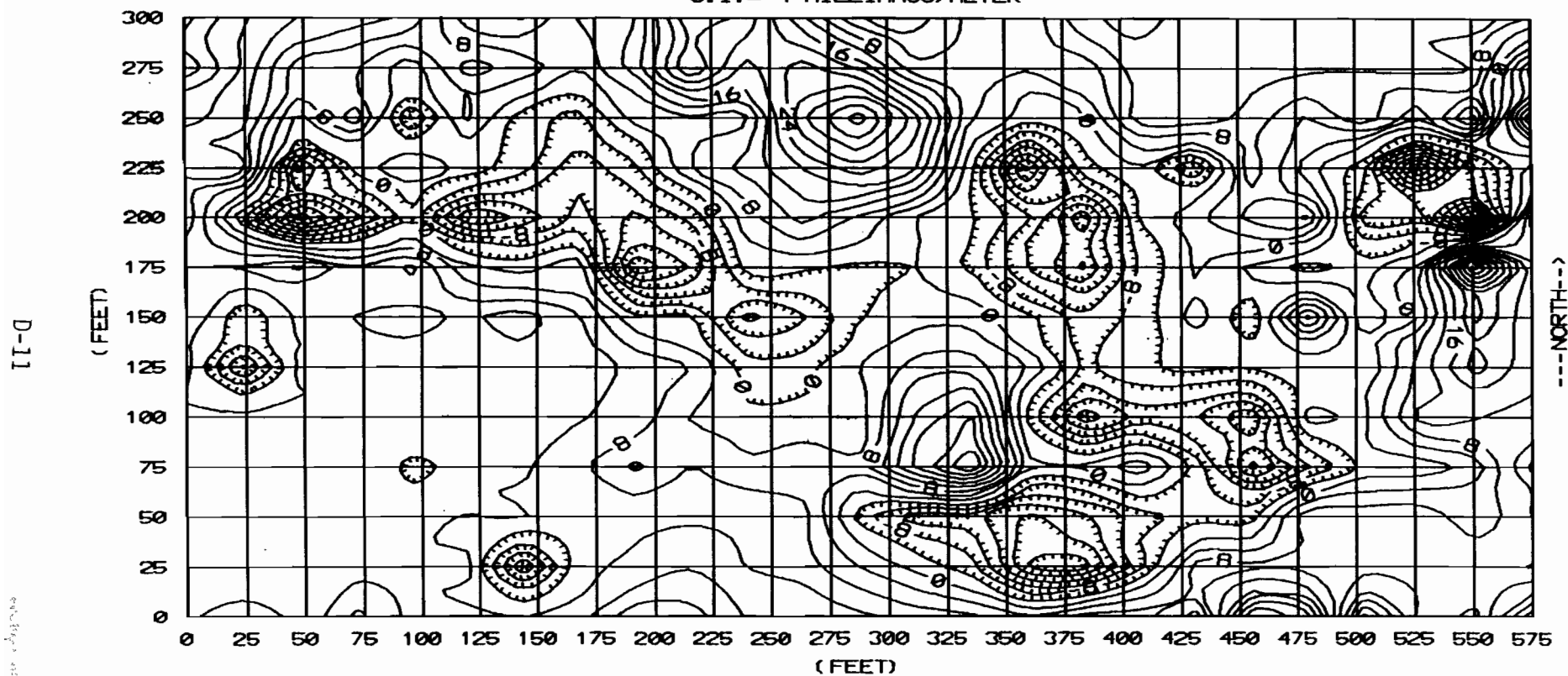


Figure D-2

DEARCOP CONDUCTIVITY HORIZONTAL DIPOLE

C.I. = 4 MILLIMHOS/METER

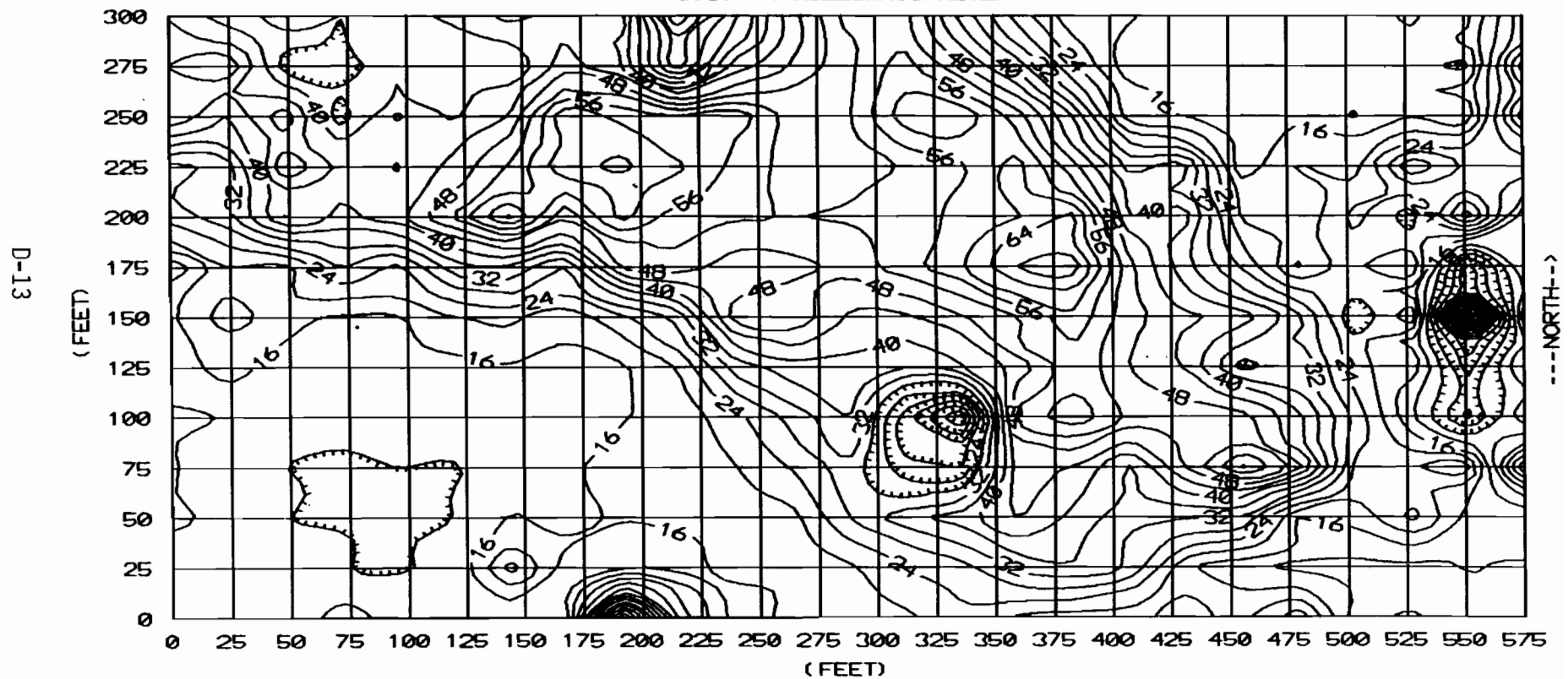


Figure D-3

DEARCOP IN-PHASE VERTICAL DIPOLE

C.I. = 4 PPT

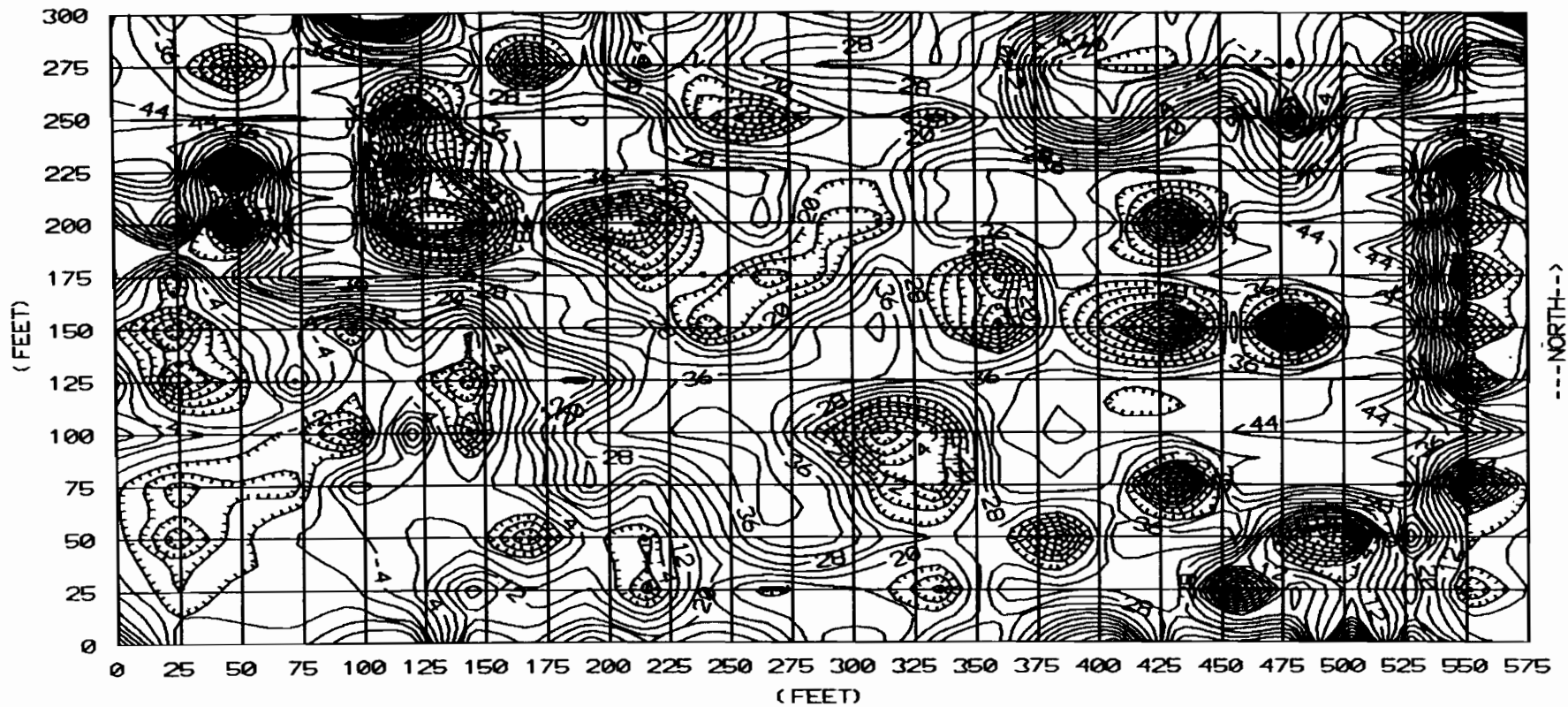


Figure D-4

C.I. = 4 PPT

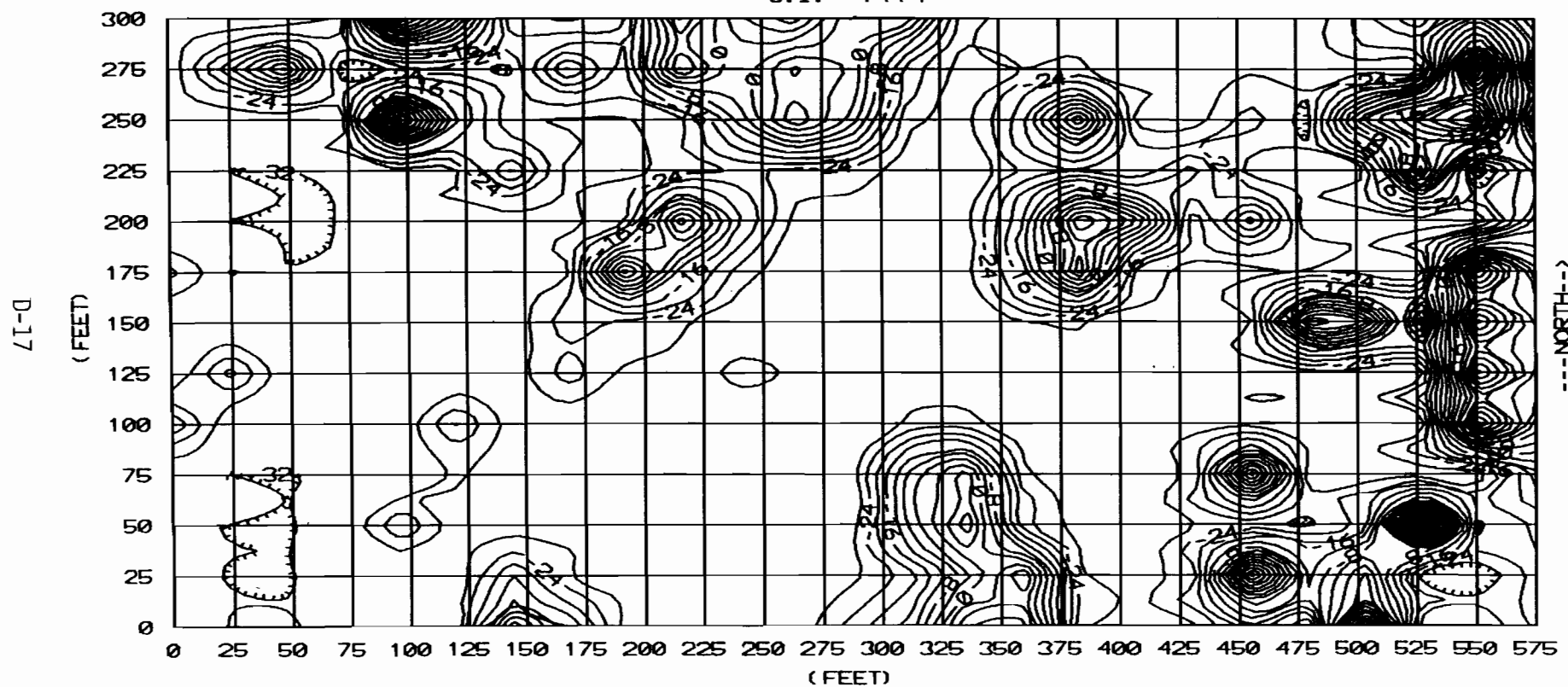


Figure D-5

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---> Line : 1
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 300 Increment : 25

```

Station	Conductivity	In-phase
0.000	15.660 mS/m	22.061 ppt
25.000	13.620 mS/m	-4.973 ppt
50.000	13.260 mS/m	-9.573 ppt
75.000	13.140 mS/m	-11.175 ppt
100.000	12.420 mS/m	6.346 ppt
125.000	13.500 mS/m	5.732 ppt
150.000	16.080 mS/m	-11.392 ppt

```

---> Comment : METAL

```

175.000	15.780 mS/m	12.295 ppt
200.000	19.380 mS/m	11.982 ppt
225.000	21.720 mS/m	45.265 ppt
250.000	25.260 mS/m	45.241 ppt
275.000	34.800 mS/m	45.265 ppt
300.000	33.400 mS/m	45.253 ppt

```

---> Line : 2
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 300 Final station : 0 Increment : -25

```

Station	Conductivity	In-phase
300.000	24.540 mS/m	27.371 ppt
275.000	23.520 mS/m	37.161 ppt
250.000	21.840 mS/m	45.278 ppt
225.000	21.840 mS/m	45.350 ppt
200.000	-3.600 mS/m	45.350 ppt
175.000	16.560 mS/m	-20.784 ppt
150.000	4.500 mS/m	-32.019 ppt
125.000	-4.800 mS/m	-32.031 ppt
100.000	13.080 mS/m	-1.734 ppt
75.000	12.840 mS/m	-22.169 ppt
50.000	13.380 mS/m	-27.973 ppt
25.000	14.220 mS/m	-16.293 ppt
0.000	17.460 mS/m	-14.414 ppt

```

---> Line : 3
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 300 Increment : 25

```

Station	Conductivity	In-phase
0.000	15.360 mS/m	-13.764 ppt
25.000	13.740 mS/m	-9.995 ppt
50.000	12.600 mS/m	-13.126 ppt
75.000	13.020 mS/m	-16.786 ppt
100.000	13.260 mS/m	-5.937 ppt
125.000	13.260 mS/m	-18.400 ppt
150.000	13.260 mS/m	-6.153 ppt
175.000	21.420 mS/m	20.881 ppt
200.000	-27.660 mS/m	-31.995 ppt
225.000	-18.000 mS/m	-32.031 ppt
250.000	2.000 mS/m	45.326 ppt
275.000	9.240 mS/m	14.402 ppt
300.000	19.920 mS/m	45.362 ppt

```

---> Line : 4
Mode V Component B Contains 1 segments.
Segment : 1

```

Initial station : 300 Final station : 25 Increment : -25

Station	Conductivity	In-phase
300.000	18.540 mS/m	44.278 ppt
275.000	8.460 mS/m	45.326 ppt
250.000	15.780 mS/m	45.338 ppt
225.000	2.220 mS/m	45.338 ppt
---> Comment : SLAG		
200.000	-14.400 mS/m	45.338 ppt
175.000	12.800 mS/m	45.314 ppt
150.000	16.380 mS/m	2.083 ppt
125.000	14.340 mS/m	10.982 ppt
100.000	13.740 mS/m	-15.630 ppt
75.000	13.380 mS/m	-18.809 ppt
50.000	12.660 mS/m	-7.321 ppt
25.000	13.200 mS/m	-8.333 ppt

---> Line : 5

Mode V Component B Contains 1 segments.

Segment : 1

Initial station : 0 Final station : 300 Increment : 25

Station	Conductivity	In-phase
0.000	13.800 mS/m	-25.697 ppt
25.000	12.480 mS/m	-8.225 ppt
50.000	12.180 mS/m	-5.262 ppt
75.000	11.400 mS/m	9.634 ppt
100.000	12.660 mS/m	-31.911 ppt
125.000	14.820 mS/m	-11.729 ppt
150.000	17.460 mS/m	-24.385 ppt
---> Comment : SLAG		
175.000	18.420 mS/m	45.314 ppt
---> Comment : SLAG		
200.000	-1.020 mS/m	45.290 ppt
225.000	9.400 mS/m	45.302 ppt
250.000	-11.400 mS/m	45.290 ppt
---> Comment : GLASS		
275.000	0.060 mS/m	45.253 ppt
300.000	15.800 mS/m	-31.923 ppt

---> Line : 6

Mode V Component B Contains 1 segments.

Segment : 1

Initial station : 300 Final station : 0 Increment : -25

Station	Conductivity	In-phase
300.000	0.300 mS/m	-31.911 ppt
---> Comment : SLAG		
275.000	16.400 mS/m	45.278 ppt
250.000	10.600 mS/m	-29.864 ppt
---> Comment : SLAG		
225.000	3.720 mS/m	-31.875 ppt
200.000	-25.400 mS/m	-31.899 ppt
---> Comment : SLAG		
175.000	4.600 mS/m	45.253 ppt
150.000	15.600 mS/m	11.211 ppt
125.000	15.720 mS/m	-6.274 ppt
100.000	12.900 mS/m	24.517 ppt
75.000	12.480 mS/m	-1.758 ppt
50.000	12.240 mS/m	0.735 ppt
25.000	13.560 mS/m	0.879 ppt
0.000	12.840 mS/m	-28.395 ppt

---> Line : 7

Mode V Component B Contains 1 segments.

Segment : 1

Initial station : 0 Final station : 300 Increment : 25

Station	Conductivity	In-phase
0.000	12.900 mS/m	32.706 ppt
---> Comment : METAL		
25.000	-15.900 mS/m	31.682 ppt
50.000	13.800 mS/m	-0.132 ppt
75.000	12.660 mS/m	-4.094 ppt
100.000	14.760 mS/m	-31.815 ppt
125.000	16.080 mS/m	-31.815 ppt
150.000	20.100 mS/m	-17.714 ppt
---> Comment : SLAG		
175.000	2.100 mS/m	45.241 ppt
---> Comment : SLAG		
200.000	-18.600 mS/m	-31.815 ppt
---> Comment : SLAG		
225.000	-1.600 mS/m	33.043 ppt
---> Comment : SLAG		
250.000	-4.400 mS/m	45.169 ppt
275.000	12.720 mS/m	45.229 ppt
---> Comment : SLAG		
300.000	-2.700 mS/m	45.205 ppt
---> Line : 8		
Mode V Component B Contains 2 segments.		
Segment : 1		
Initial station : 300	Final station : 275	Increment : 25
Station	Conductivity	In-phase
Segment : 2		
Initial station : 300	Final station : 25	Increment : -25
Station	Conductivity	In-phase
---> Comment : SLAG		
300.000	10.440 mS/m	40.834 ppt
---> Comment : SLAG		
275.000	3.200 mS/m	-31.815 ppt
250.000	-9.000 mS/m	45.181 ppt
---> Comment : METAL		
225.000	-14.200 mS/m	45.205 ppt
---> Comment : SLAG		
---> Comment : SLAG		
200.000	-4.000 mS/m	45.205 ppt
175.000	11.880 mS/m	45.229 ppt
150.000	13.680 mS/m	36.342 ppt
125.000	13.680 mS/m	15.775 ppt
100.000	12.420 mS/m	20.254 ppt
---> Comment : METAL		
75.000	7.980 mS/m	8.706 ppt
50.000	10.800 mS/m	-31.803 ppt
---> Comment : FENCE-POSTS		
25.000	15.060 mS/m	5.515 ppt
---> Line : 9		
Mode V Component B Contains 1 segments.		
Segment : 1		
Initial station : 0	Final station : 300	Increment : 25
Station	Conductivity	In-phase
---> Comment : GATE		
0.000	28.980 mS/m	45.229 ppt
25.000	10.800 mS/m	17.268 ppt
50.000	10.500 mS/m	13.318 ppt
75.000	-1.800 mS/m	45.181 ppt
100.000	11.340 mS/m	45.205 ppt
125.000	12.000 mS/m	-9.658 ppt
---> Comment : SLAG/SEWER		

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150.000    -2.160 mS/m    45.169 ppt
---> Comment : METAL
175.000   -42.360 mS/m    33.272 ppt
---> Comment : SLAG
200.000   -16.800 mS/m   -31.742 ppt
---> Comment : SLAG
225.000    -4.020 mS/m    45.193 ppt
---> Comment : SLAG
250.000     9.000 mS/m    45.169 ppt
275.000    15.600 mS/m    45.193 ppt
300.000     9.800 mS/m    45.181 ppt

---> Line : 10
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 300 Final station : 25 Increment :-25
Station Conductivity In-phase
---> Comment : SLAG
300.000  45.200 mS/m   -31.815 ppt
275.000  50.800 mS/m   -31.815 ppt
---> Comment : SLAG
250.000   1.800 mS/m    45.193 ppt
---> Comment : SLAG
225.000  17.600 mS/m    45.205 ppt
200.000   -5.600 mS/m   -31.815 ppt
175.000  -15.600 mS/m    6.948 ppt
150.000   6.240 mS/m    45.229 ppt
125.000  12.000 mS/m    45.217 ppt
100.000   -1.140 mS/m    45.193 ppt
75.000   12.900 mS/m   -7.406 ppt
50.000   12.840 mS/m  -14.438 ppt
25.000   16.980 mS/m  -28.708 ppt

---> Line : 11
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 300 Increment : 25
Station Conductivity In-phase
0.000   11.940 mS/m   42.869 ppt
25.000   7.260 mS/m   45.217 ppt
50.000  10.140 mS/m   45.229 ppt
---> Comment : SLAG
75.000   -0.240 mS/m   45.193 ppt
100.000  -1.200 mS/m   45.193 ppt
125.000  -8.100 mS/m   45.217 ppt
150.000 -34.200 mS/m  -31.815 ppt
---> Comment : SLAG
175.000  18.000 mS/m   45.193 ppt
---> Comment : SLAG
200.000  10.800 mS/m   45.193 ppt
225.000  15.780 mS/m   45.205 ppt
250.000   -6.200 mS/m  -31.815 ppt
---> Comment : SLAG
275.000   -0.800 mS/m   45.181 ppt
300.000  22.860 mS/m    1.288 ppt

---> Line : 12
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 300 Final station : 25 Increment :-25
Station Conductivity In-phase
300.000   0.000 mS/m   45.229 ppt

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---> Comment : GLASS
275.000 50.800 mS/m 45.217 ppt
250.000 67.200 mS/m -31.827 ppt
---> Comment : SLAG
---> Comment : SLAG
225.000 19.800 mS/m 45.241 ppt
200.000 20.400 mS/m 45.193 ppt
175.000 -9.000 mS/m -31.827 ppt
150.000 -1.000 mS/m 45.217 ppt
---> Comment : SLAG
125.000 5.400 mS/m 45.241 ppt
100.000 4.400 mS/m 37.763 ppt
---> Comment : METAL-20FT/S
75.000 12.600 mS/m 45.241 ppt
50.000 15.540 mS/m 45.241 ppt
25.000 12.540 mS/m -31.851 ppt

---> Line : 13
Mode V Component B Contains 2 segments.
Segment : 1
Initial station : 0 Final station : 275 Increment : 25
Station Conductivity In-phase
0.000 11.820 mS/m 37.173 ppt
25.000 11.700 mS/m 45.229 ppt
50.000 -32.520 mS/m 45.205 ppt
75.000 6.420 mS/m 45.241 ppt
---> Comment : SLAG
100.000 -8.400 mS/m -31.863 ppt
---> Comment : SLAG
125.000 43.200 mS/m -31.863 ppt
150.000 3.180 mS/m 45.241 ppt
---> Comment : GLASS
175.000 7.400 mS/m 45.241 ppt
---> Comment : METAL
200.000 -2.200 mS/m 45.193 ppt
225.000 35.800 mS/m 4.552 ppt
250.000 46.000 mS/m 45.229 ppt
275.000 -16.000 mS/m 45.205 ppt
Segment : 2
Initial station : 0 Final station : 300 Increment : 25
Station Conductivity In-phase
0.000 12.960 mS/m 5.154 ppt
---> Comment : METAL
25.000 -6.180 mS/m 45.253 ppt
50.000 -37.440 mS/m 45.229 ppt
75.000 2.800 mS/m 45.241 ppt
---> Comment : SLAG
100.000 -7.200 mS/m -31.863 ppt
125.000 10.380 mS/m 45.241 ppt
150.000 1.020 mS/m 45.253 ppt
---> Comment : GLASS
175.000 4.500 mS/m 45.265 ppt
---> Comment : METAL
200.000 -10.800 mS/m -27.203 ppt
225.000 35.000 mS/m 8.550 ppt
250.000 45.200 mS/m 45.229 ppt
---> Comment : SLAG
275.000 -9.600 mS/m 45.217 ppt
300.000 -18.200 mS/m -31.875 ppt

---> Line : 14
Mode V Component B Contains 1 segments.

```

Segment : 1

Initial station : 300 Final station : 25 Increment : -25

Station	Conductivity	In-phase
---> Comment : METAL		
300.000	9.600 mS/m	45.265 ppt
275.000	9.600 mS/m	45.229 ppt
250.000	7.400 mS/m	-31.875 ppt
225.000	15.120 mS/m	45.253 ppt
200.000	-2.400 mS/m	45.265 ppt
---> Comment : SLAG		
175.000	-2.200 mS/m	45.217 ppt
---> Comment : METAL/SLAG		
150.000	1.400 mS/m	45.253 ppt
125.000	9.000 mS/m	45.241 ppt
---> Comment : SLAG		
100.000	47.400 mS/m	-31.899 ppt
75.000	76.200 mS/m	-31.899 ppt
---> Comment : METAL		
50.000	-22.600 mS/m	21.784 ppt
25.000	8.340 mS/m	-31.911 ppt

---> Line : 15

Mode V Component B Contains 1 segments.

Segment : 1

Initial station : 0 Final station : 300 Increment : 25

Station	Conductivity	In-phase
---> Comment : SLAG		
0.000	9.360 mS/m	45.290 ppt
---> Comment : SLAG		
25.000	-31.920 mS/m	45.241 ppt
50.000	-29.800 mS/m	45.217 ppt
---> Comment : SLAG		
75.000	2.000 mS/m	45.241 ppt
---> Comment : SLAG		
100.000	-5.400 mS/m	45.278 ppt
---> Comment : METAL/SLAG		
125.000	13.000 mS/m	45.265 ppt
---> Comment : SLAG		
150.000	3.200 mS/m	-31.911 ppt
---> Comment : SLAG		
175.000	-14.600 mS/m	-31.911 ppt
---> Comment : SLAG		
200.000	5.000 mS/m	45.253 ppt
---> Comment : SLAG		
225.000	-55.200 mS/m	45.181 ppt
---> Comment : SLAG		
250.000	2.400 mS/m	45.265 ppt
---> Comment : SLAG		
275.000	5.400 mS/m	45.290 ppt
300.000	-0.800 mS/m	45.290 ppt

```

---> Line : 16
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 300 Final station : 0 Increment : -25
  Station Conductivity In-phase
  300.000 16.680 mS/m 36.728 ppt
  275.000 0.900 mS/m -31.923 ppt
  250.000 -7.080 mS/m -13.631 ppt
---> Comment : METAL/SLAG
  225.000 -3.000 mS/m 45.253 ppt
---> Comment : ABRASIVES/SLAG
  200.000 -41.200 mS/m 45.241 ppt
---> Comment : SLAG
  175.000 -35.200 mS/m 45.217 ppt
---> Comment : SLAG
  150.000 -12.000 mS/m 45.314 ppt
---> Comment : SLAG
  125.000 -9.200 mS/m 45.265 ppt
---> Comment : SLAG
  100.000 -35.600 mS/m 45.205 ppt
  75.000 6.800 mS/m 45.290 ppt
  50.000 -20.200 mS/m -31.959 ppt
  25.000 -39.400 mS/m 45.278 ppt
  0.000 17.600 mS/m -7.755 ppt

```

```

---> Line : 17
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 275 Increment : 25
  Station Conductivity In-phase
---> Comment : SLAG
  0.000 12.600 mS/m -31.947 ppt
  25.000 -15.960 mS/m 39.943 ppt
---> Comment : METAL
  50.000 -12.800 mS/m 45.302 ppt
  75.000 16.200 mS/m 45.338 ppt
---> Comment : SLAG
  100.000 -18.200 mS/m 45.290 ppt
---> Comment : SLAG
---> Comment : SLAG
  125.000 -2.600 mS/m 45.278 ppt
---> Comment : SLAG
  150.000 -8.400 mS/m 9.272 ppt
---> Comment : METAL
  175.000 -8.200 mS/m 40.653 ppt
---> Comment : SLAG
  200.000 -2.000 mS/m 45.290 ppt
  225.000 1.600 mS/m 45.326 ppt
  250.000 17.880 mS/m -30.490 ppt
  275.000 14.400 mS/m -31.947 ppt

```

```

----> Line : 18
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 300 Final station : 0 Increment : -25
Station Conductivity In-phase
300.000 13.320 mS/m -27.094 ppt
275.000 14.580 mS/m -31.947 ppt
250.000 16.860 mS/m 15.534 ppt
----> Comment : SLAG
225.000 -20.760 mS/m 45.265 ppt
----> Comment : SLAG
200.000 3.200 mS/m -31.959 ppt
175.000 1.800 mS/m 45.314 ppt
----> Comment : SLAG
150.000 4.400 mS/m -31.935 ppt
125.000 -0.400 mS/m 45.290 ppt
----> Comment : SLAG
100.000 -17.200 mS/m 45.302 ppt
----> Comment : SLAG
75.000 -1.400 mS/m -31.935 ppt
50.000 -6.800 mS/m 45.278 ppt
25.000 13.140 mS/m 41.557 ppt
----> Comment : SLAG
0.000 24.600 mS/m 45.302 ppt

```

```

----> Line : 19
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 250 Increment : 25
Station Conductivity In-phase
0.000 -21.180 mS/m 45.278 ppt
----> Comment : SLAG
25.000 11.280 mS/m -31.911 ppt
----> Comment : METAL/SLAG
50.000 -7.020 mS/m 45.217 ppt
----> Comment : SLAG
75.000 -29.800 mS/m 45.278 ppt
----> Comment : METAT/SLAG
100.000 -28.000 mS/m 45.181 ppt
----> Comment : SCREEN
125.000 -3.200 mS/m 45.265 ppt
150.000 -10.600 mS/m 45.278 ppt
----> Comment : METAL/SLAG
----> Comment : SLAG
175.000 -6.400 mS/m 45.241 ppt
200.000 11.200 mS/m 45.290 ppt
225.000 12.720 mS/m 35.499 ppt
250.000 11.640 mS/m 42.231 ppt

```

```

---> Line : 20
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 300 Final station : 0 Increment : -25
Station Conductivity In-phase
300.000 13.920 mS/m -16.257 ppt
275.000 13.020 mS/m -19.508 ppt
250.000 2.640 mS/m -31.887 ppt
225.000 -2.580 mS/m 11.970 ppt
---> Comment : ABRASIVES
200.000 15.840 mS/m 45.278 ppt
---> Comment : METAL
175.000 -11.580 mS/m 45.253 ppt
---> Comment : SLAG
150.000 21.240 mS/m -31.887 ppt
125.000 -3.200 mS/m 45.265 ppt
---> Comment : SLAG
100.000 3.000 mS/m 45.241 ppt
---> Comment : SLAG
75.000 -14.000 mS/m 45.265 ppt
---> Comment : SLAG
50.000 12.800 mS/m -20.170 ppt
25.000 10.200 mS/m 24.770 ppt
0.000 -12.360 mS/m 45.253 ppt

```

```

---> Line : 21
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 275 Increment : 25
Station Conductivity In-phase
---> Comment : METAL
0.000 30.800 mS/m -31.887 ppt
25.000 10.080 mS/m 4.877 ppt
50.000 11.460 mS/m -31.887 ppt
---> Comment : SLAG
75.000 -3.300 mS/m 45.229 ppt
---> Comment : SLAG
100.000 -1.440 mS/m 45.157 ppt
---> Comment : METAL/SLAG
125.000 -4.800 mS/m 45.193 ppt
---> Comment : ABRA/METAL/SLAG
150.000 -8.280 mS/m 38.618 ppt
175.000 -6.420 mS/m 45.217 ppt
---> Comment : METAL
200.000 -18.540 mS/m 45.229 ppt
225.000 -10.020 mS/m 45.253 ppt
250.000 11.880 mS/m 31.333 ppt
275.000 12.660 mS/m 5.780 ppt

```

```

---> Line : 22
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 300 Final station : 0 Increment : -25
  Station Conductivity In-phase
  300.000 12.180 mS/m -17.786 ppt
---> Comment : RAVINE
  275.000 13.320 mS/m -20.242 ppt
---> Comment : RAVINE
  250.000 0.900 mS/m 45.278 ppt
---> Comment : METAL/SLAG
  225.000 -42.420 mS/m 45.205 ppt
  200.000 -18.000 mS/m 45.193 ppt
  175.000 1.000 mS/m 45.217 ppt
  150.000 0.000 mS/m 45.241 ppt
  125.000 9.480 mS/m 45.229 ppt
  100.000 13.680 mS/m 45.229 ppt
  75.000 -3.060 mS/m 45.253 ppt
---> Comment : SLAG
  50.000 10.980 mS/m 45.241 ppt
  25.000 10.080 mS/m 32.898 ppt
  0.000 10.500 mS/m 45.241 ppt

```

```

---> Line : 23
Mode V Component B Contains 1 segments.
Segment : 1
Initial station : 0 Final station : 275 Increment : 25
  Station Conductivity In-phase
  0.000 12.720 mS/m 13.740 ppt
  25.000 10.920 mS/m -4.961 ppt
  50.000 4.860 mS/m 2.649 ppt
---> Comment : RAVINE/TIRE
  75.000 1.740 mS/m -31.851 ppt
---> Comment : RAVINE
  100.000 12.300 mS/m 31.815 ppt
  125.000 21.720 mS/m -31.851 ppt
  150.000 25.260 mS/m -31.851 ppt
  175.000 45.780 mS/m -31.863 ppt
---> Comment : SLAG
  200.000 -42.420 mS/m -31.839 ppt
---> Comment : ABRA/METAL/SLAG
  225.000 -18.400 mS/m -31.839 ppt
  250.000 17.600 mS/m 45.229 ppt
  275.000 12.000 mS/m 45.229 ppt

```

```

---> Line : 24
Mode V   Component B   Contains 1 segments.
Segment : 1
Initial station : 300   Final station : 0   Increment :-25
  Station   Conductivity   In-phase
---> Comment : ABRA/METAL/SLAG
  300.000    6.800   mS/m   -21.362   ppt
  275.000   -16.600   mS/m    45.145   ppt
  250.000   -32.600   mS/m    45.229   ppt
  225.000    -2.200   mS/m    45.193   ppt
  200.000   13.980   mS/m    29.515   ppt
  175.000   12.780   mS/m    45.217   ppt
  150.000   11.940   mS/m    45.205   ppt
  125.000   12.600   mS/m    45.217   ppt
  100.000    9.420   mS/m    45.217   ppt
   75.000   17.040   mS/m    19.688   ppt
---> Comment : RAVINE/METAL
   50.000   12.120   mS/m    45.217   ppt
   25.000   12.180   mS/m    45.229   ppt
    0.000   -7.140   mS/m    45.181   ppt

```

I490 MEDIAN TOTAL MAG FIELD

C. I. = 100 GAMMAS

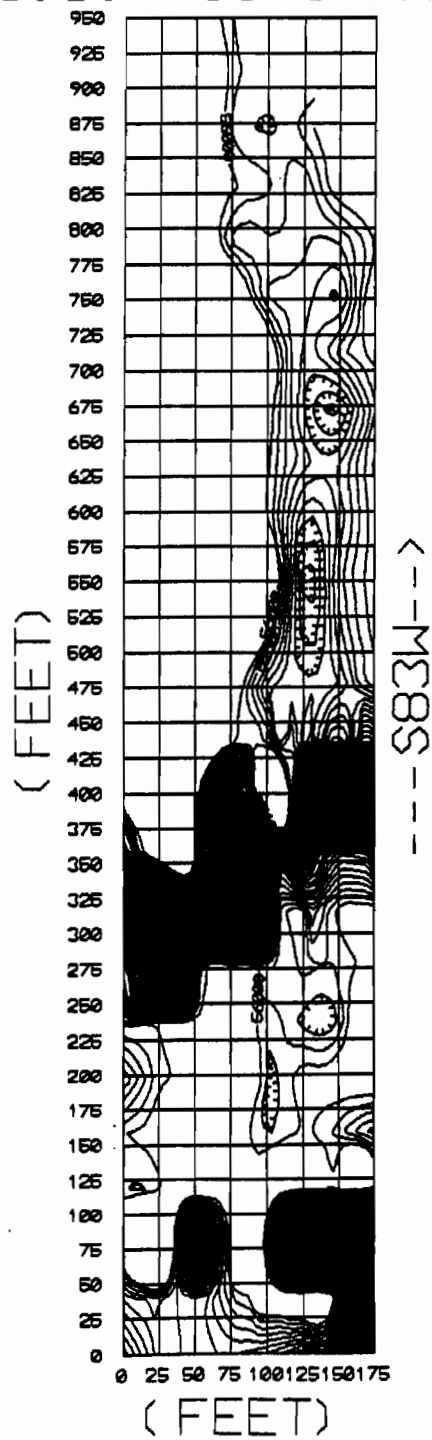


Figure D-6

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0 575 57820.8
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0 650 56740.1
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0 850 56180.9
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0 925 56536.6
0 950 56446.3
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25 75 58519.3
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25 175 55855.6
25 200 55993.6
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25 250 56029.5
25 275 55413.5
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25 325 57488.3
25 350 57195.2
25 375 57205.2
25 400 57639.3
25 425 56951
25 450 57600.4
25 475 57526.4
25 500 57302.7
25 525 57133.7
25 550 57114.7
25 575 57578.5
25 600 56765.4
25 625 56879.8
25 650 56689.2

25 675 56633.3
25 700 56833.7
25 725 56674.1
25 750 56870.4
25 775 57131.2
25 800 56773.3
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25 850 56462.2
25 875 56584.9
25 900 56535.4
25 925 56418.1
25 950 56362.3
50 0 55450.8
50 25 55584.7
50 50 55171
50 75 52545
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50 300 55010.3
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50 475 56774.8
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50 550 56496.8
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150 775 55417.7
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150 825 56139.6
150 850 56203
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175	50	55903.8
175	75	11793.9
175	100	56116.2
175	125	56040.9
175	150	55317.2
175	175	56039.4
175	200	56241.6
175	225	56858
175	250	56336.3
175	275	56108.9
175	300	56056.6
175	325	56071.6
175	350	55822.1
175	375	52075.6
175	400	52178.5
175	425	52065.4
175	450	55765.4
175	475	55844.7
175	500	55983.7
175	525	55934.6
175	550	55969.1
175	575	56042
175	600	55962.5
175	625	56042
175	650	56011.9
175	675	55890.3
175	700	55944.6
175	725	56102.2
175	750	56222.6
175	775	56018.9

I490 MEDIAN CONDUCTIVITY VERT DIPOLE

C.I.=10 MILLIMHOS/METER

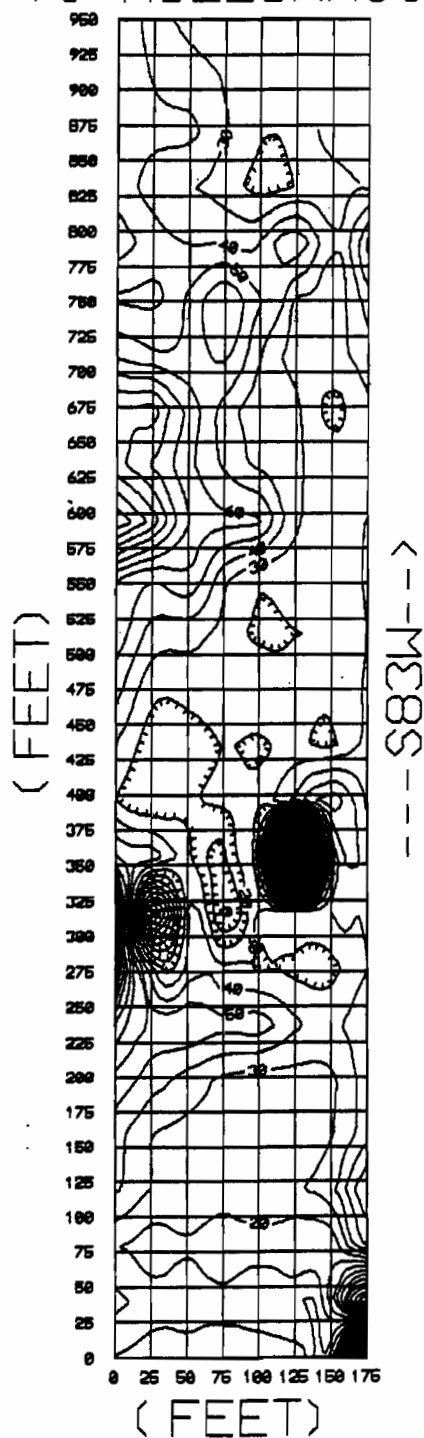


Figure D-7

I490 MEDIAN CONDUCTIVITY HORIZ DIPOLE

C.I.=10 MILLIMHOS/METER

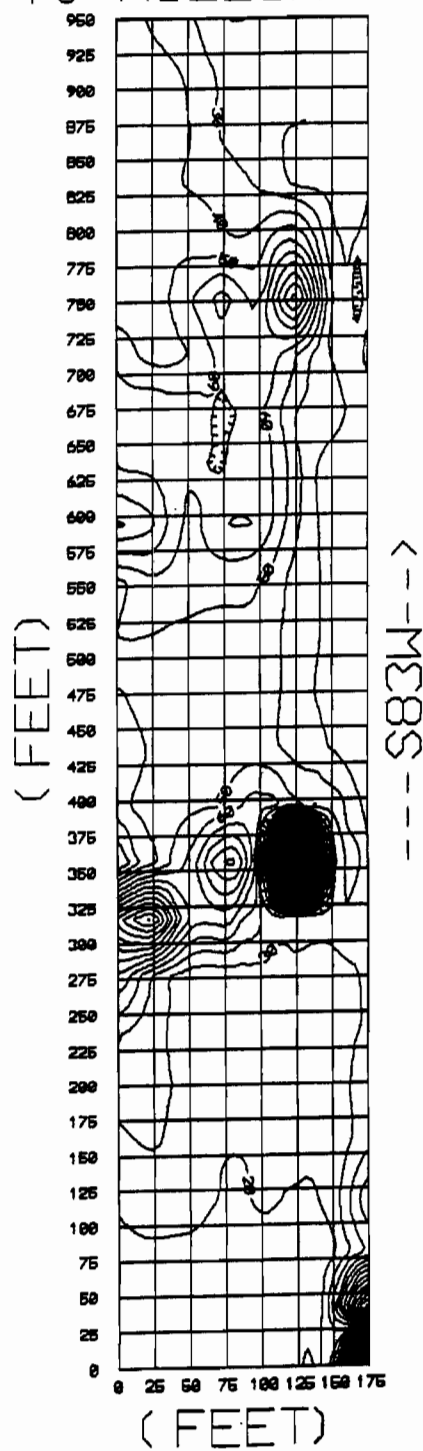


Figure D-8

I490 MEDIAN IN-PHASE VERT DIPOLE

C.I. = 10 PPT

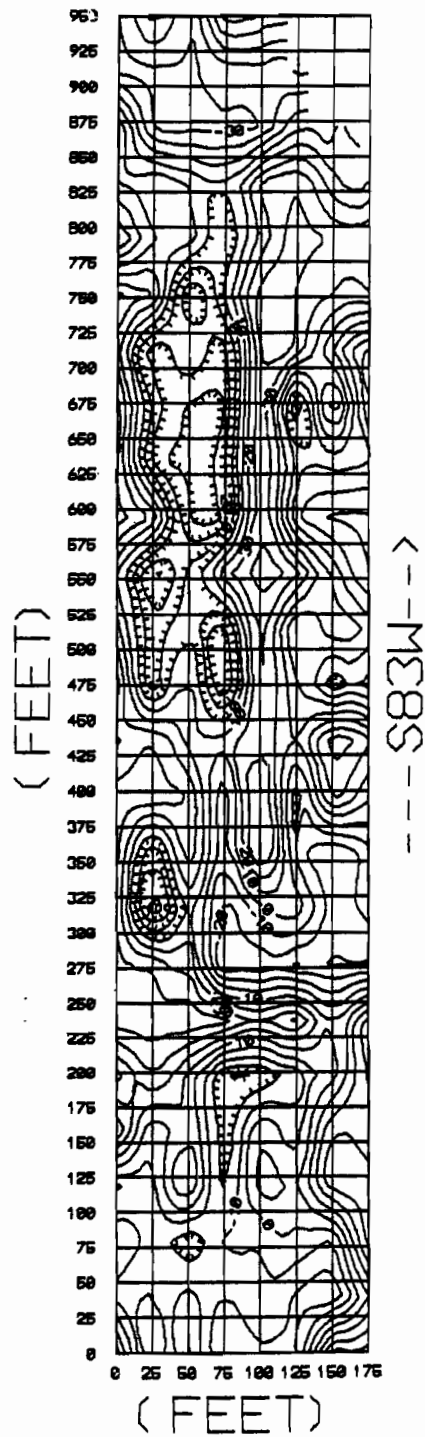


Figure D-9

I490 MEDIAN IN-PHASE HORIZ DIPOLE

C.I. = 10 PPT

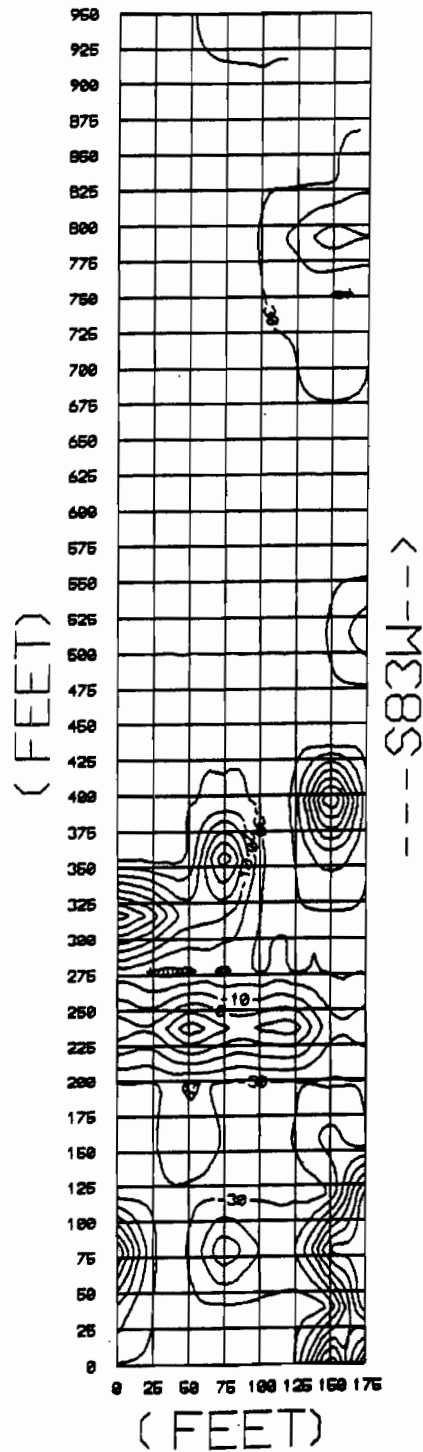


Figure D-10

LINE: 1 Direction: W
 Date: 30-11-92 Time: 14:54
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 0 Final station: 950

Station	Cond.[mS/m]	Inphase [ppt]
0.000	19.200	26.696
25.000	27.000	-23.794
50.000	37.200	-4.419
75.000	17.040	-3.997
100.000	43.600	-2.191
125.000	40.600	-27.515
150.000	41.800	39.244
175.000	50.800	44.651
200.000	57.000	3.347
225.000	60.400	44.675
250.000	96.400	44.615
275.000	132.000	44.627
300.000	179.400	44.603
325.000	133.800	44.554
---> Comment : TRUCK		
350.000	58.200	44.567
---> Comment : METAL		
375.000	23.400	44.639
---> Comment : SIGN		
400.000	21.060	44.651
---> Comment : SIGN		
425.000	29.600	14.414
---> Comment : 12FT-NW-POST		
450.000	33.200	44.627
475.000	44.000	44.639
500.000	55.400	1.300
525.000	58.800	44.651
550.000	58.800	6.478
575.000	83.600	44.639
600.000	142.800	44.639
---> Comment : 25FT-NW-POST		
625.000	100.800	44.651
650.000	84.400	44.663
675.000	92.400	44.651
700.000	71.000	44.639
725.000	46.200	13.896
750.000	38.000	44.651
775.000	45.800	1.131
---> Comment : POST25FTN/LASTST		
800.000	59.800	-30.923
825.000	44.400	17.231
850.000	54.800	-16.364
---> Comment : TIRE/LAST-STA		
875.000	41.000	26.973
900.000	48.800	-30.899
925.000	51.600	-30.923
950.000	48.200	-30.935

LINE: 2 Direction: E
 Date: 30-11-92 Time: 15:27
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 950 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
950.000	35.000	-5.021
925.000	36.400	-30.911
900.000	39.400	-30.911
875.000	43.600	-30.911

850.000	37.600	-30.911
825.000	34.000	35.198
800.000	46.000	8.296
775.000	39.800	25.649
750.000	36.600	30.742
725.000	44.000	-30.911
700.000	60.000	-30.911
675.000	96.200	-12.005
650.000	74.000	-30.899
625.000	84.400	-19.218
600.000	117.000	44.627
575.000	63.200	-30.899
550.000	48.000	-30.899
---> Comment : SG134/10FT/SW		
525.000	37.200	-21.145
500.000	30.200	-21.241
---> Comment : SG126/15FT/SW		
475.000	22.440	-21.157
450.000	13.020	44.615
---> Comment : SG92/20FT/SSW		
425.000	13.860	39.979
---> Comment : GRN-POSTS/10-NE		
400.000	10.560	44.554
375.000	4.800	44.579
---> Comment : GROUND-LIGHT		
350.000	60.400	-30.887
---> Comment : DRUMS/POLES		
325.000	-25.800	-30.887
---> Comment : DRUMS		
300.000	-196.200	-30.899
---> Comment : DRUMS		
275.000	49.800	44.627
250.000	34.200	44.627
225.000	77.400	44.603
---> Comment : DITCH		
200.000	45.200	33.307
175.000	33.800	-10.608
150.000	27.800	-14.546
---> Comment : SCRAP-METAL		
125.000	28.400	-30.887
100.000	28.200	38.678
75.000	10.980	-26.179
50.000	27.420	-15.160
25.000	17.940	-30.875
0.000	15.180	-30.875

LINE: 3 Direction: W
 Date: 30-11-92 Time: 15:44
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 0 Final station: 950

Station	Cond.[mS/m]	Inphase [ppt]
0.000	16.560	2.191
25.000	17.160	-30.887
50.000	28.260	13.173
75.000	19.080	-30.851
100.000	22.740	-10.079
125.000	24.900	30.899
150.000	26.580	8.971
175.000	28.200	26.142
200.000	36.000	7.176
225.000	58.200	44.603
250.000	60.600	44.603
275.000	36.800	34.367
300.000	31.300	-30.875

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---> Comment : DR3/10-SSE/LAST
325.000 57.600 44.567
350.000 20.040 44.567
375.000 30.600 20.615
---> Comment : ELEC-BOX/7FT-SW
400.000 16.600 44.518
---> Comment : GROUND-LIGHT/5-W
---> Comment : GROUND-LIGHT/5-E
425.000 15.780 -7.947
450.000 12.780 44.615
---> Comment : SG82
475.000 23.400 10.500
500.000 29.000 44.603
525.000 38.400 -26.576
550.000 57.800 -3.419
575.000 68.600 -30.851
600.000 68.000 -30.863
625.000 62.000 -30.863
650.000 68.600 -30.863
675.000 65.600 -30.863
700.000 54.400 9.139
725.000 49.000 -20.651
---> Comment : MW6S/6D-7FT/ESE
750.000 52.600 -30.863
775.000 44.800 -30.863
800.000 36.400 36.065
825.000 28.800 20.651
850.000 39.800 -30.863
875.000 43.200 -30.863
900.000 39.200 -30.875
925.000 29.800 -30.887
950.000 25.920 -30.887

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LINE: 4 Direction: E
Date: 30-11-92 Time: 15:59
Component: Both Dipole mode: Vertical Instrument Orientation: 1
Start station: 950 Final station: 0
Station Cond.[mS/m] Inphase [ppt]
950.000 20.200 16.376
925.000 27.400 -16.942
900.000 29.200 -30.863
875.000 30.600 -30.851
850.000 31.000 -30.839
825.000 22.680 9.489
---> Comment : SEWER/12FT/NW
800.000 35.400 -25.095
775.000 49.200 18.159
750.000 72.000 0.445
725.000 66.399 -30.827
700.000 63.400 -30.851
675.000 46.600 -30.851
650.000 39.200 -30.863
625.000 54.400 -25.504
600.000 65.600 -30.851
575.000 51.200 -19.724
550.000 29.600 34.271
---> Comment : SG128/8FT/S
525.000 28.000 -30.851
500.000 25.000 -30.851
475.000 23.400 -30.851
450.000 22.400 -30.839
425.000 20.880 41.544
400.000 23.760 -20.531

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375.000	8.040	44.554
350.000	-0.400	-30.851
---> Comment : STEEL/I-BEAM		
325.000	-24.600	-30.863
---> Comment : STEEL/I-BEAM		
300.000	23.940	-13.438
275.000	33.200	-30.851
250.000	59.400	44.591
---> Comment : DITCH		
225.000	40.200	34.162
200.000	28.000	-30.827
175.000	26.400	-30.851
150.000	24.200	-30.851
125.000	24.360	-30.851
100.000	23.640	-16.665
75.000	12.000	-7.598
50.000	26.580	-16.521
25.000	14.640	-30.851
0.000	16.140	-30.851

LINE: 5 Direction: W
 Date: 30-11-92 Time: 16:11
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 0 Final station: 900

Station	Cond. [mS/m]	Inphase [ppt]
0.000	14.280	-21.591
25.000	17.040	-30.863
50.000	32.200	6.165
75.000	14.820	-21.193
100.000	27.780	44.615
125.000	24.180	6.261
150.000	25.560	18.941
175.000	25.800	-5.141
200.000	23.280	-30.863
225.000	38.600	-2.878
250.000	72.200	44.567
---> Comment : DITCH		
275.000	28.600	-26.829
300.000	31.200	-20.904
325.000	28.020	5.238
350.000	32.600	44.591
375.000	36.200	44.542
400.000	19.980	44.554
---> Comment : SGBB/10FT/E		
425.000	15.180	20.760
450.000	22.000	42.953
475.000	28.400	28.984
500.000	11.640	44.615
---> Comment : SG127/10FT/NE		
525.000	21.600	44.603
550.000	19.000	44.615
---> Comment : SG132/15FT/NE		
575.000	32.200	44.603
600.000	71.200	44.591
625.000	44.800	44.591
650.000	25.800	44.591
675.000	34.800	41.496
700.000	34.800	44.591
725.000	45.200	44.603
750.000	48.800	44.603
775.000	50.400	44.615
800.000	29.200	17.003
825.000	14.940	44.627

850.000 21.400 -20.122
 ---> Comment : SEWER/12FT/SE
 875.000 20.600 -30.875
 900.000 23.200 -30.851

LINE: 6 Direction: E
 Date: 30-11-92 Time: 16:25
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 850 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
850.000	15.360	40.147
825.000	22.200	40.942
800.000	28.560	44.591
775.000	128.400	44.530
750.000	21.120	38.437
725.000	19.680	44.591
700.000	31.400	28.984
675.000	32.200	-30.851
650.000	33.600	-30.839
625.000	31.600	1.493
600.000	31.600	-30.839
575.000	23.600	22.313
550.000	25.600	34.861
525.000	23.000	-10.669
500.000	16.620	-24.746
475.000	23.600	0.650
450.000	12.240	29.863
425.000	33.600	-14.883
---> Comment : GRN-POSTS		
400.000	33.600	-30.827
375.000	27.600	44.579
350.000	-414.000	-30.851
---> Comment : STEEL/POSTS		
325.000	30.600	19.098
300.000	28.800	-18.881
275.000	27.200	-30.839
250.000	39.800	44.567
---> Comment : DITCH		
225.000	39.400	37.329
200.000	25.400	-17.870
175.000	27.200	3.082
150.000	27.800	-16.641
125.000	27.600	-9.296
100.000	32.200	44.591
75.000	6.660	-11.487
50.000	29.580	-13.246
25.000	19.620	-30.839
0.000	17.640	-21.856

LINE: 7 Direction: W
 Date: 30-11-92 Time: 16:36
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 0 Final station: 850

Station	Cond.[mS/m]	Inphase [ppt]
0.000	28.860	44.591
25.000	22.440	-22.807
50.000	29.280	-30.839
75.000	6.060	-22.289
100.000	37.400	44.591
125.000	32.400	44.567
150.000	27.600	44.579
175.000	30.000	35.656
200.000	27.400	3.985
225.000	22.800	28.571

250.000	37.600	-30.839
---> Comment : DITCH/5FT/E		
275.000	25.800	-30.815
300.000	31.000	-21.506
325.000	34.000	-30.827
350.000	35.000	-30.839
375.000	78.400	-30.839
---> Comment : TRUCK		
400.000	66.399	44.494
---> Comment : TRUCK		
425.000	18.200	44.615
450.000	16.920	44.603
---> Comment : SG93/14FT/E		
475.000	22.800	-30.767
500.000	15.480	38.413
525.000	25.620	-11.921
550.000	22.800	1.059
---> Comment : SG133/15FT/NE		
575.000	25.920	-28.226
600.000	26.520	-30.839
625.000	24.600	-3.058
650.000	24.900	-8.417
675.000	14.040	44.603
700.000	32.400	32.934
725.000	18.780	-30.827
750.000	19.800	27.864
775.000	23.340	44.627
800.000	22.080	32.669
825.000	19.740	18.123
850.000	40.600	-7.875

LINE: 8 Direction: E
 Date: 30-11-92 Time: 16:48
 Component: Both Dipole mode: Vertical Instrument Orientation: 1
 Start station: 775 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
775.000	85.200	44.579
750.000	44.000	27.756
725.000	39.600	-30.803
700.000	30.200	-30.827
675.000	28.600	-30.839
650.000	28.600	-30.839
625.000	27.600	0.168
600.000	30.400	-30.839
575.000	30.200	-30.827
550.000	31.600	-30.827
525.000	30.600	3.010
500.000	31.000	-17.292
475.000	31.400	-24.131
450.000	34.800	7.538
425.000	35.800	44.530
---> Comment : TRAILER		
400.000	35.600	5.960
---> Comment : TRUCK		
375.000	41.000	44.579
---> Comment : TRUCK		
350.000	41.400	-30.839
325.000	42.000	-9.103
300.000	45.400	-30.827
275.000	39.400	-30.839
250.000	48.400	44.591
---> Comment : CULVERT/5FT/E		
225.000	48.400	44.579

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---> Comment : CULVERT/15FT/W
200.000 44.600 44.591
175.000 45.600 9.778
150.000 47.400 44.579
---> Comment : OVERHEAD/SIGN
125.000 70.200 44.567
100.000 76.400 44.579
75.000 48.000 44.591
50.000 53.400 44.591
25.000 -287.200 -30.851
---> Comment : BRIDGE
0.000 304.400 44.482
---> Comment : BRIDGE

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LINE: 1          Direction: W
Date: 30-11-92   Time: 14:54
Component: Both  Dipole mode: Horizontal  Instrument Orientation: 1
Start station: 0   Final station: 950

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Station	Cond.[mS/m]	Inphase [ppt]
0.000	13.860	-30.947
25.000	17.760	-30.947
50.000	19.800	3.239
75.000	17.760	43.964
100.000	20.880	-30.935
125.000	20.520	-30.947
150.000	24.180	-30.935
175.000	31.000	-30.947
200.000	35.600	-30.947
225.000	38.800	-30.947
250.000	44.600	44.651
275.000	63.600	-30.935
300.000	123.000	44.663
325.000	102.000	44.554
---> Comment : TRUCK		
350.000	-1.800	-30.971
---> Comment : METAL		
375.000	47.400	-30.959
---> Comment : SIGN		
400.000	32.600	-30.947
---> Comment : SIGN		
425.000	31.000	-30.935
---> Comment : 12FT-NW-POST		
450.000	36.400	-30.935
475.000	38.600	-30.935
500.000	44.400	-30.935
525.000	53.800	-30.935
550.000	44.200	-30.935
575.000	69.600	-30.935
600.000	98.400	-30.947
---> Comment : 25FT-NW-POST		
625.000	82.200	-30.947
650.000	48.600	-30.935
675.000	69.400	-30.935
700.000	68.200	-30.935
725.000	48.600	-30.935
750.000	43.400	-30.935
775.000	47.200	-30.923
---> Comment : POST25FTN/LASTST		
800.000	44.800	-30.935
825.000	44.600	-30.923
850.000	43.200	-30.923
---> Comment : TIRE/LAST-STA		
875.000	48.000	-30.923

900.000	45.600	-30.923
925.000	48.600	-30.923
950.000	47.600	-30.935

LINE: 2 Direction: E
 Date: 30-11-92 Time: 15:27
 Component: Both Dipole mode: Horizontal Instrument Orientation: 1
 Start station: 950 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
950.000	38.000	-30.911
925.000	44.600	-30.923
900.000	44.600	-30.923
875.000	44.800	-30.923
850.000	43.800	-30.923
825.000	41.600	-30.923
800.000	47.200	-30.923
775.000	47.800	-30.923
750.000	45.000	-30.911
725.000	41.600	-30.911
700.000	50.200	-30.911
675.000	72.000	-30.911
650.000	56.000	-30.911
625.000	75.600	-30.899
600.000	90.000	-30.911
575.000	56.800	-30.911
550.000	59.000	-30.911
---> Comment : SG134/10FT/SW		
525.000	50.800	-30.911
500.000	48.400	-30.899
---> Comment : SG126/15FT/SW		
475.000	44.600	-30.899
450.000	41.400	-30.899
---> Comment : SG92/20FT/SSW		
425.000	42.200	-30.899
---> Comment : GRN-POSTS/10-NE		
400.000	44.800	-30.899
375.000	42.800	-30.899
---> Comment : GROUND-LIGHT		
350.000	42.800	-30.887
---> Comment : DRUMS/POLES		
325.000	173.400	44.518
---> Comment : DRUMS		
300.000	71.400	-30.899
---> Comment : DRUMS		
275.000	36.200	-30.887
250.000	27.000	-18.436
225.000	40.000	8.646
---> Comment : DITCH		
200.000	33.600	-30.887
175.000	34.400	-30.887
150.000	30.600	-30.887
---> Comment : SCRAP-METAL		
125.000	24.400	-30.887
100.000	21.000	-29.189
75.000	18.120	-30.875
50.000	15.480	-30.875
25.000	14.880	-30.875
0.000	11.700	-30.875

LINE: 3 Direction: W
 Date: 30-11-92 Time: 15:44
 Component: Both Dipole mode: Horizontal Instrument Orientation: 1
 Start station: 0 Final station: 950

Station	Cond.[mS/m]	Inphase [ppt]
0.000	13.920	-30.875
25.000	14.100	-30.875
50.000	17.460	-30.875
75.000	17.040	-30.863
100.000	17.340	-30.875
125.000	26.760	-30.875
150.000	20.940	-23.361
175.000	24.060	-30.875
200.000	25.600	-30.875
225.000	27.400	23.060
250.000	22.500	27.985
275.000	24.400	-30.887
300.000	29.000	-30.875
---> Comment : DR3/10-SSE/LAST		
325.000	74.800	4.840
350.000	69.000	-30.863
375.000	39.800	-30.863
---> Comment : ELEC-BOX/7FT-SW		
400.000	48.600	-30.875
---> Comment : GROUND-LIGHT/5-W		
---> Comment : GROUND-LIGHT/5-E		
425.000	48.600	-30.863
450.000	51.800	-30.851
---> Comment : SG82		
475.000	44.200	-30.851
500.000	47.000	-30.863
525.000	45.800	-30.863
550.000	58.200	-30.863
575.000	51.800	-30.863
600.000	56.600	-30.863
625.000	59.000	-30.863
650.000	68.600	-30.863
675.000	64.600	-30.863
700.000	49.000	-30.851
725.000	52.000	-30.863
---> Comment : MW6S/6D-7FT/ESE		
750.000	57.800	-30.863
775.000	53.400	-30.863
800.000	44.800	-30.851
825.000	38.800	-30.887
850.000	43.600	-30.851
875.000	40.600	-30.863
900.000	40.200	-30.887
925.000	36.600	-30.887
950.000	32.200	-30.887

LINE: 4 Direction: E

Date: 30-11-92 Time: 15:59

Component: Both Dipole mode: Horizontal

Instrument Orientation: 1

Start station: 950 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
950.000	19.800	-23.433
925.000	25.800	-30.863
900.000	27.400	-30.875
875.000	27.600	-30.851
850.000	28.000	-30.887
825.000	38.400	-30.875
---> Comment : SEWER/12FT/NW		
800.000	38.200	-30.875
775.000	49.400	-30.875
750.000	77.200	-30.851
725.000	69.800	-30.875

700.000	59.400	-30.851
675.000	57.200	-30.851
650.000	63.800	-30.851
625.000	56.600	-30.851
600.000	71.000	-30.863
575.000	66.800	-30.851
550.000	53.000	-30.875
---> Comment : SG128/8FT/S		
525.000	43.800	-30.851
500.000	44.200	-30.863
475.000	45.200	-30.851
450.000	52.600	-30.839
425.000	37.200	-30.839
400.000	47.000	-30.839
375.000	75.000	-9.561
350.000	112.800	44.494
---> Comment : STEEL/I-BEAM		
325.000	91.800	5.226
---> Comment : STEEL/I-BEAM		
300.000	23.640	-30.863
275.000	25.400	-30.863
250.000	28.400	41.147
---> Comment : DITCH		
225.000	23.800	-30.863
200.000	23.800	-30.851
175.000	22.200	-30.851
150.000	19.800	-30.851
125.000	18.960	-30.875
100.000	17.220	-30.851
75.000	16.800	5.454
50.000	17.580	-30.851
25.000	14.760	-30.851
0.000	13.020	-30.851

LINE: 5 Direction: W
 Date: 30-11-92 Time: 16:11
 Component: Both Dipole mode: Horizontal Instrument Orientation: 1
 Start station: 0 Final station: 900

Station	Cond.[mS/m]	Inphase [ppt]
0.000	13.740	-30.851
25.000	14.340	-30.851
50.000	19.600	-30.851
75.000	18.240	-19.339
100.000	19.560	-30.851
125.000	21.420	-30.851
150.000	20.340	-30.851
175.000	19.860	-30.851
200.000	23.820	-30.875
225.000	23.400	-30.851
250.000	26.600	44.591
---> Comment : DITCH		
275.000	26.800	-30.863
300.000	29.200	-30.863
325.000	33.800	-30.851
350.000	46.000	-30.851
375.000	76.600	-30.863
400.000	64.200	-30.863
---> Comment : SGBB/10FT/E		
425.000	43.200	-30.863
450.000	49.000	-30.851
475.000	43.800	-30.863
500.000	49.000	-30.875
---> Comment : SG127/10FT/NE		

525.000	45.800	-30.863
550.000	50.400	-30.875
---> Comment : SG132/15FT/NE		
575.000	55.000	-30.851
600.000	72.800	-30.851
625.000	70.200	-30.851
650.000	62.200	-30.851
675.000	61.600	-30.851
700.000	69.000	-30.851
725.000	71.200	-30.863
750.000	55.000	-30.851
775.000	52.800	-30.863
800.000	37.600	-30.851
825.000	31.200	-30.851
850.000	23.600	-30.863
---> Comment : SEWER/12FT/SE		
875.000	22.600	-30.863
900.000	25.200	-30.851

LINE: 6 Direction: E
 Date: 30-11-92 Time: 16:25
 Component: Both Dipole mode: Horizontal Instrument Orientation: 1
 Start station: 850 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
850.000	17.640	-30.851
825.000	19.920	-30.839
800.000	36.400	-30.863
775.000	127.800	13.619
750.000	115.800	-30.863
725.000	54.000	-30.863
700.000	50.800	-30.851
675.000	39.200	-30.851
650.000	42.000	-30.863
625.000	44.400	-30.851
600.000	41.400	-30.851
575.000	42.400	-30.851
550.000	35.000	-30.851
525.000	32.600	-30.863
500.000	36.800	-30.851
475.000	35.600	-30.851
450.000	37.800	-30.851
425.000	35.000	-30.863
---> Comment : GRN-POSTS		
400.000	41.400	-30.839
375.000	39.400	-30.839
350.000	-414.400	-30.851
---> Comment : STEEL/POSTS		
325.000	32.000	-30.851
300.000	31.200	-30.827
275.000	24.200	-30.851
250.000	28.000	44.554
---> Comment : DITCH		
225.000	29.600	-16.328
200.000	23.600	-30.851
175.000	22.400	-30.851
150.000	21.800	-30.851
125.000	19.000	-30.839
100.000	19.600	-30.839
75.000	16.200	-20.952
50.000	16.440	-30.839
25.000	15.540	-30.839
0.000	16.200	-30.839

LINE: 7 Direction: W
 Date: 30-11-92 Time: 16:36
 Component: Both Dipole mode: Horizontal Instrument Orientation: 1
 Start station: 0 Final station: 850

Station	Cond.[mS/m]	Inphase [ppt]
0.000	32.100	44.530
25.000	19.800	-30.851
50.000	18.840	-30.839
75.000	16.560	44.591
100.000	21.400	-30.839
125.000	22.800	-30.851
150.000	22.600	-4.925
175.000	22.600	-30.839
200.000	24.400	-30.839
225.000	24.800	-12.270
250.000	29.400	-30.839
---> Comment : DITCH/5FT/E		
275.000	22.600	-30.839
300.000	28.800	-30.839
325.000	32.400	-30.839
350.000	31.400	-30.839
375.000	56.600	44.494
---> Comment : TRUCK		
400.000	44.600	44.554
---> Comment : TRUCK		
425.000	31.400	-30.851
450.000	28.440	-30.839
---> Comment : SG93/14FT/E		
475.000	24.360	-30.839
500.000	30.360	-30.839
525.000	26.460	-30.839
550.000	27.360	-30.839
---> Comment : SG133/15FT/NE		
575.000	25.980	-30.839
600.000	23.400	-30.839
625.000	22.320	-30.839
650.000	22.020	-30.839
675.000	40.200	-30.839
700.000	26.800	-30.839
725.000	30.060	-9.741
750.000	26.340	-30.827
775.000	19.920	-30.827
800.000	16.320	6.129
825.000	18.000	-30.827
850.000	16.800	-30.827

LINE: 8 Direction: E
 Date: 30-11-92 Time: 16:48
 Component: Both Dipole mode: Horizontal Instrument Orientation: 1
 Start station: 775 Final station: 0

Station	Cond.[mS/m]	Inphase [ppt]
775.000	34.200	-12.860
750.000	19.600	-30.839
725.000	18.000	-30.839
700.000	20.200	-30.839
675.000	20.800	-30.851
650.000	21.000	-30.839
625.000	20.800	-30.839
600.000	22.000	-30.839
575.000	23.000	-30.851
550.000	24.600	-30.827
525.000	23.000	4.082
500.000	24.000	-30.839

475.000	23.200	-30.827
450.000	25.600	-30.827
425.000	15.600	-30.839
---> Comment : TRAILER		
400.000	24.400	-30.851
---> Comment : TRUCK		
375.000	32.000	-30.851
---> Comment : TRUCK		
350.000	32.000	-30.851
325.000	34.000	-30.851
300.000	34.400	-30.851
275.000	32.200	-30.851
250.000	32.200	-20.302
---> Comment : CULVERT/5FT/E		
225.000	30.000	-6.815
---> Comment : CULVERT/15FT/W		
200.000	36.400	-30.851
175.000	36.600	-30.851
150.000	38.600	-30.851
---> Comment : OVERHEAD/SIGN		
125.000	58.800	44.603
100.000	57.200	14.113
75.000	42.200	44.591
50.000	40.800	43.579
25.000	342.800	44.494
---> Comment : BRIDGE		
0.000	-356.200	-30.851
---> Comment : BRIDGE		

APPENDIX E

SOIL GAS CONTOUR PLOTS

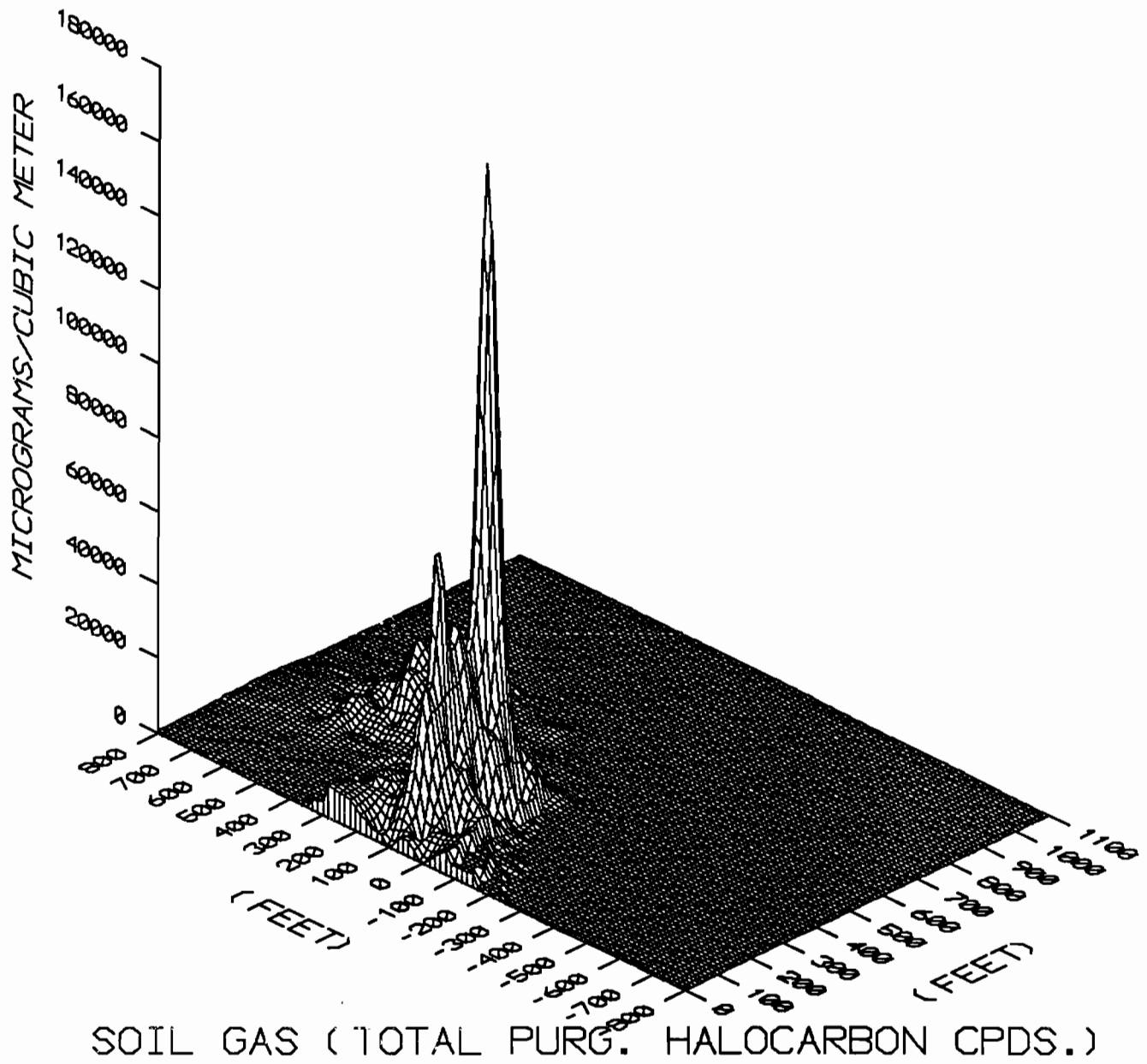


Figure E-1

SOIL GAS (TOTAL PURG. HALOCARBON CPDS.)

C.I. = 10 MICROGRAMS/CUBIC METER

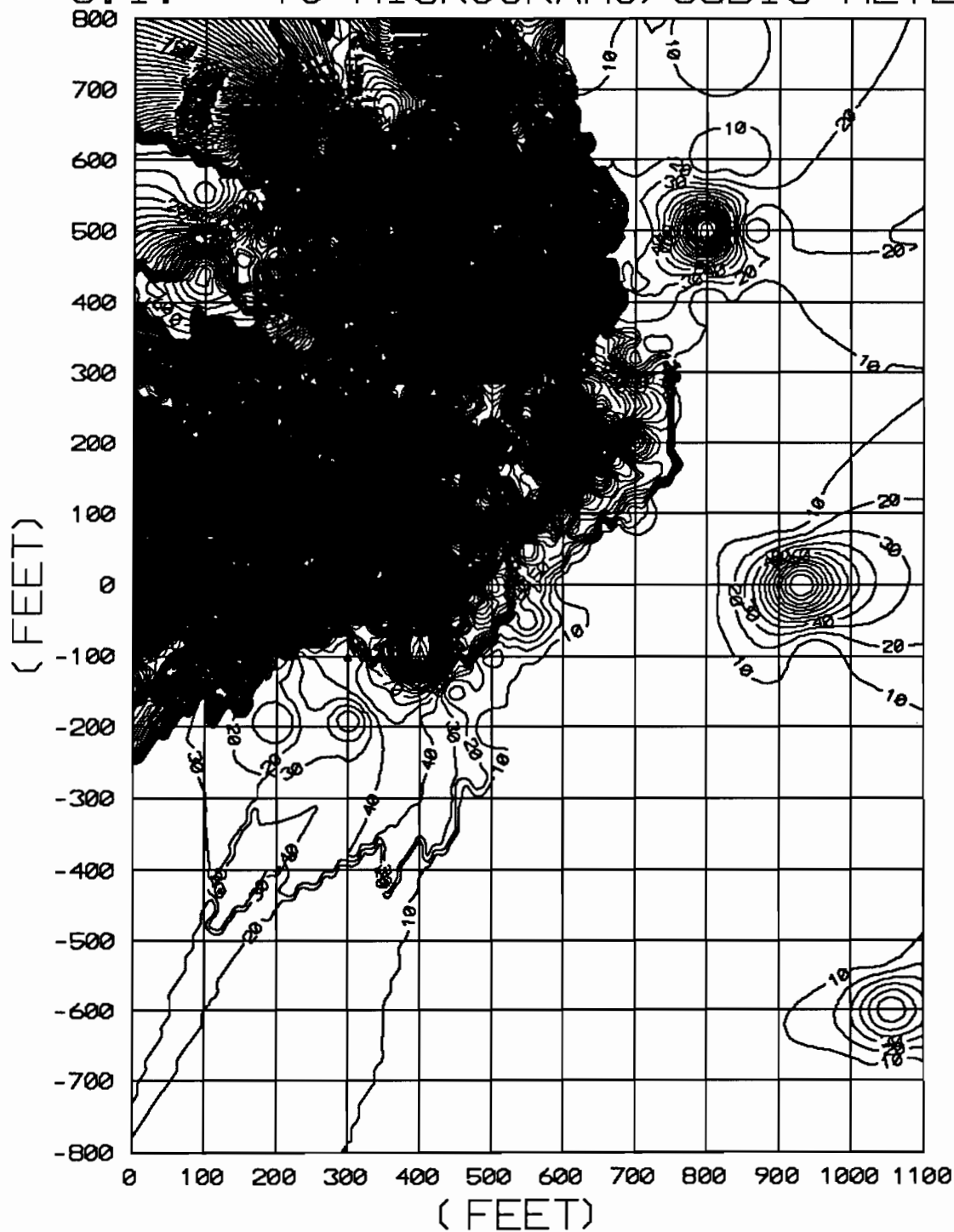
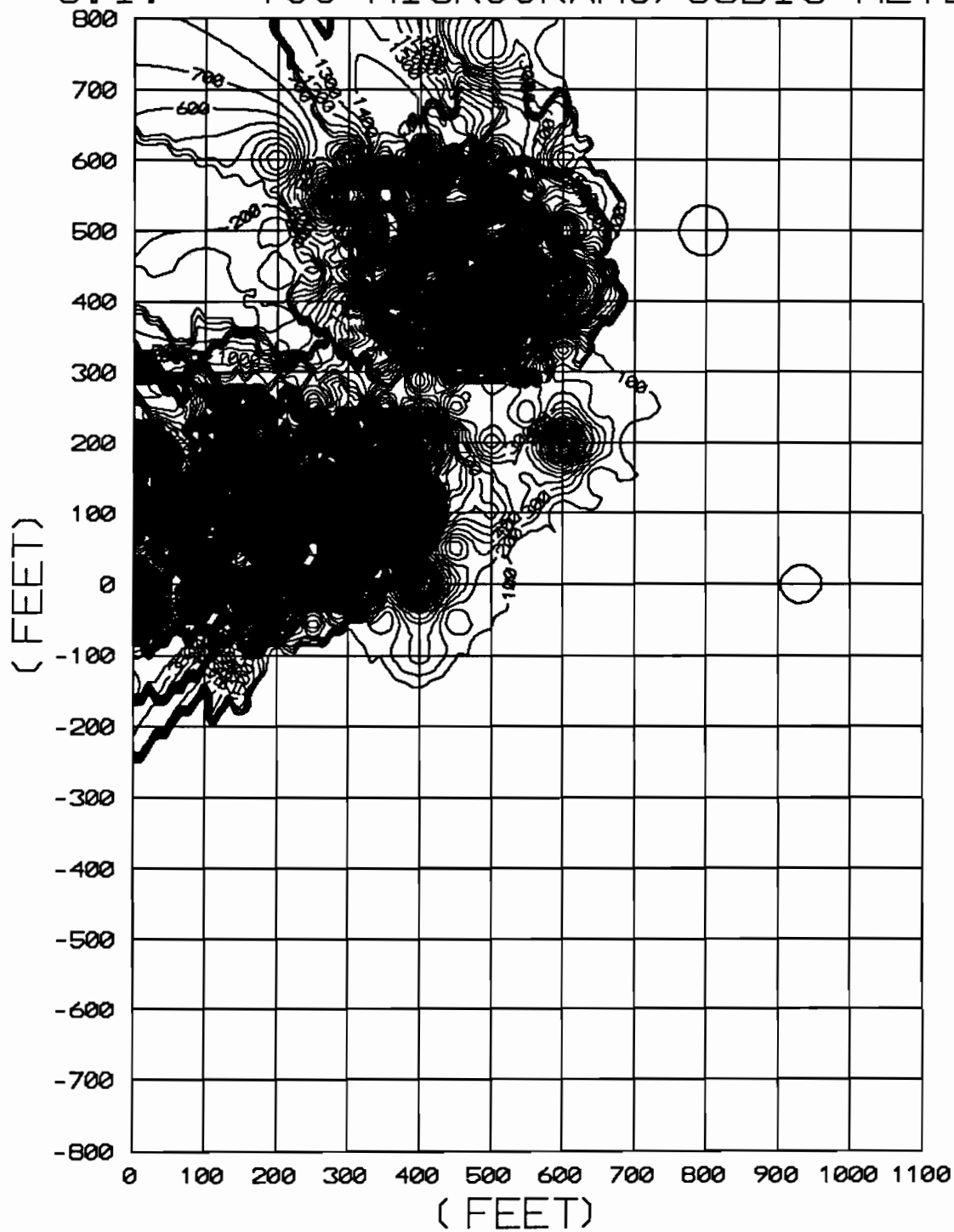


Figure E-2

SOIL GAS (TOTAL PURG. HALOCARBON CPDS.)

C.I. = 100 MICROGRAMS/CUBIC METER



SOIL GAS (TOTAL PURG. HALOCARBON CPDS.)

C.I. = 500 MICROGRAMS/CUBIC METER

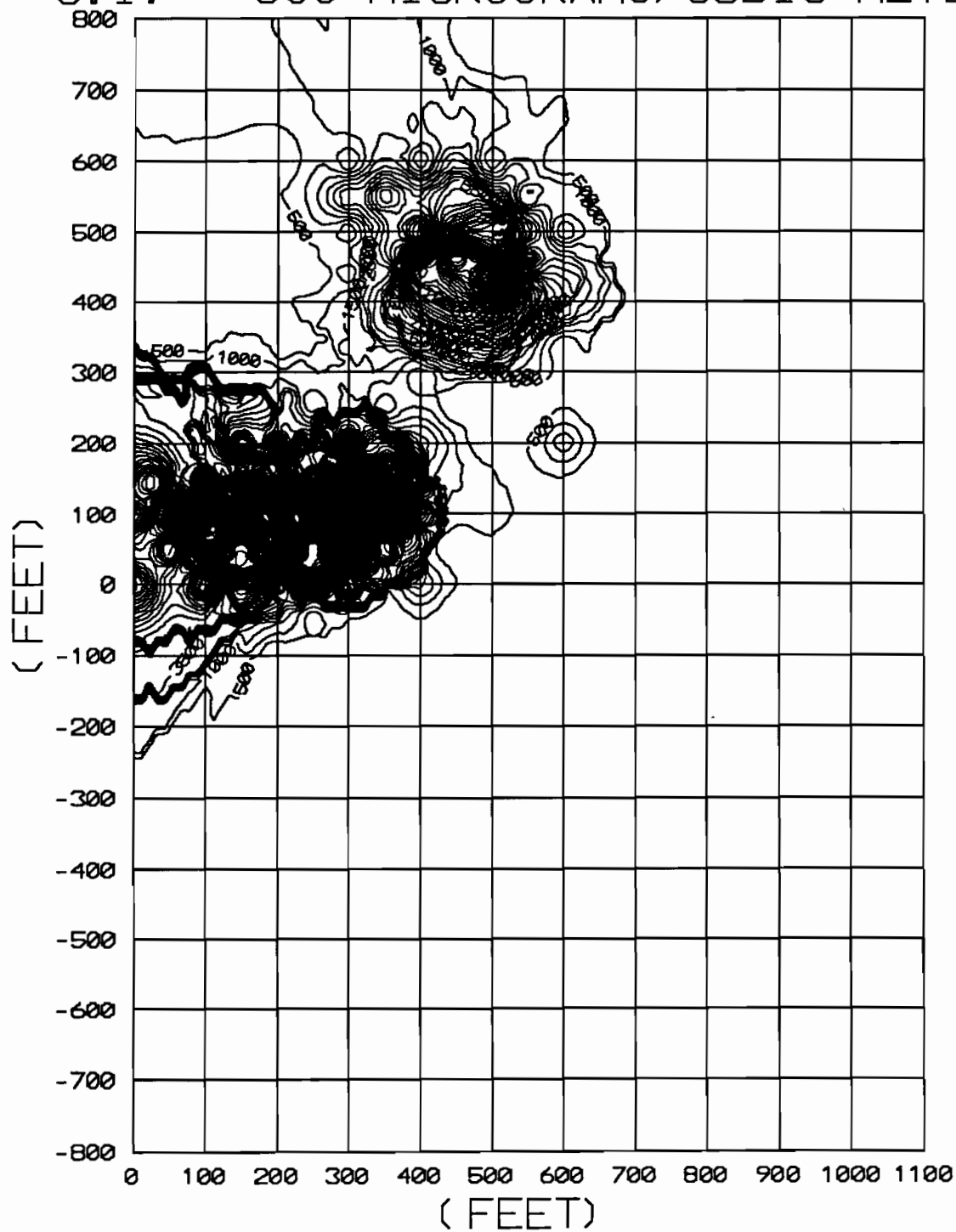


Figure E-4

SOIL GAS (TOTAL PURG. HALOCARBON CPDS.)

C.I. = 1000 MICROGRAMS/CUBIC METER

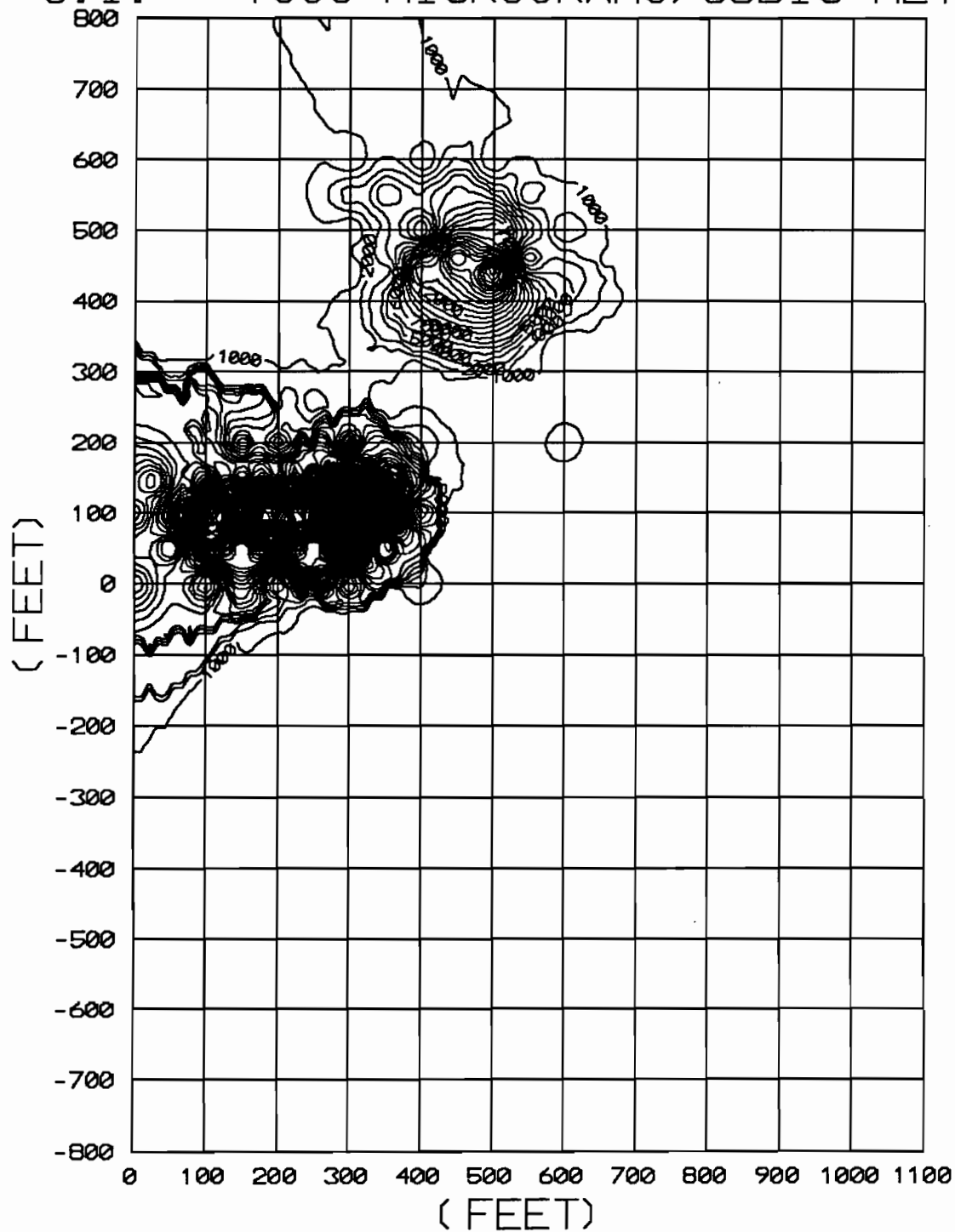


Figure E-5

SOIL GAS (TOTAL PURG. HALOCARBON CPDS.)

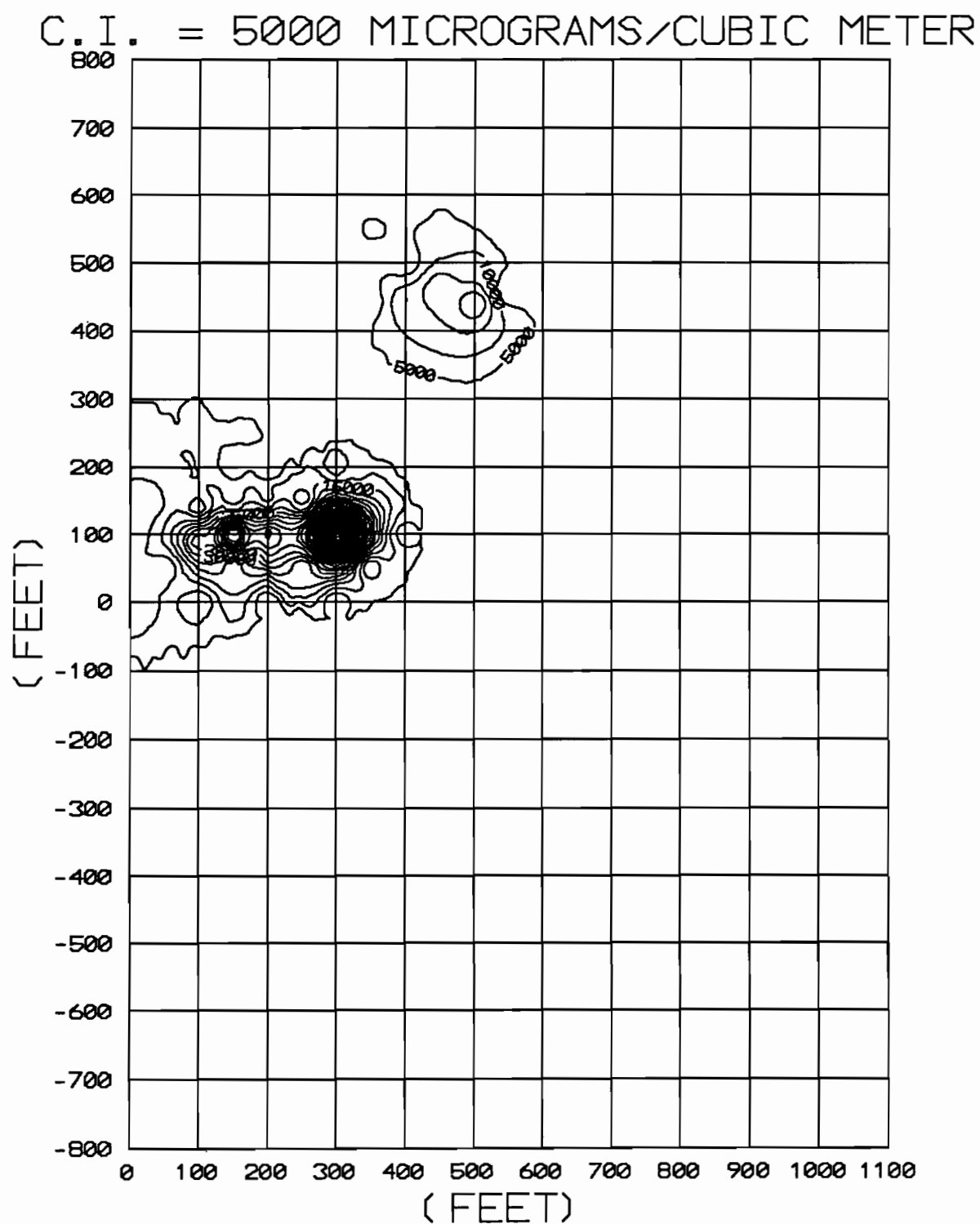


Figure E-6

SOIL GAS (TOTAL PURG. HALOCARBON CPDS.)

C.I. = 10000 MICROGRAMS/CUBIC METER

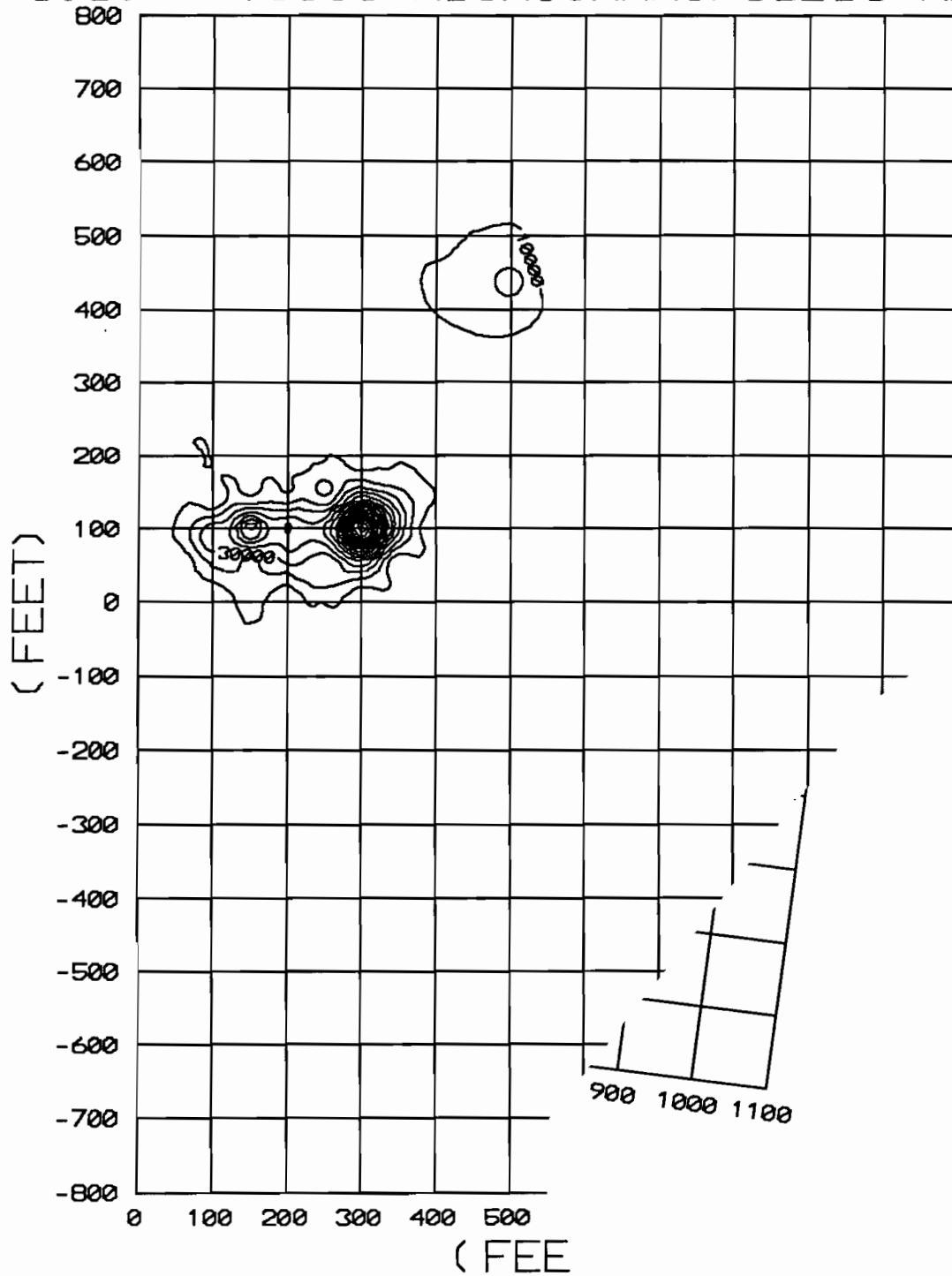
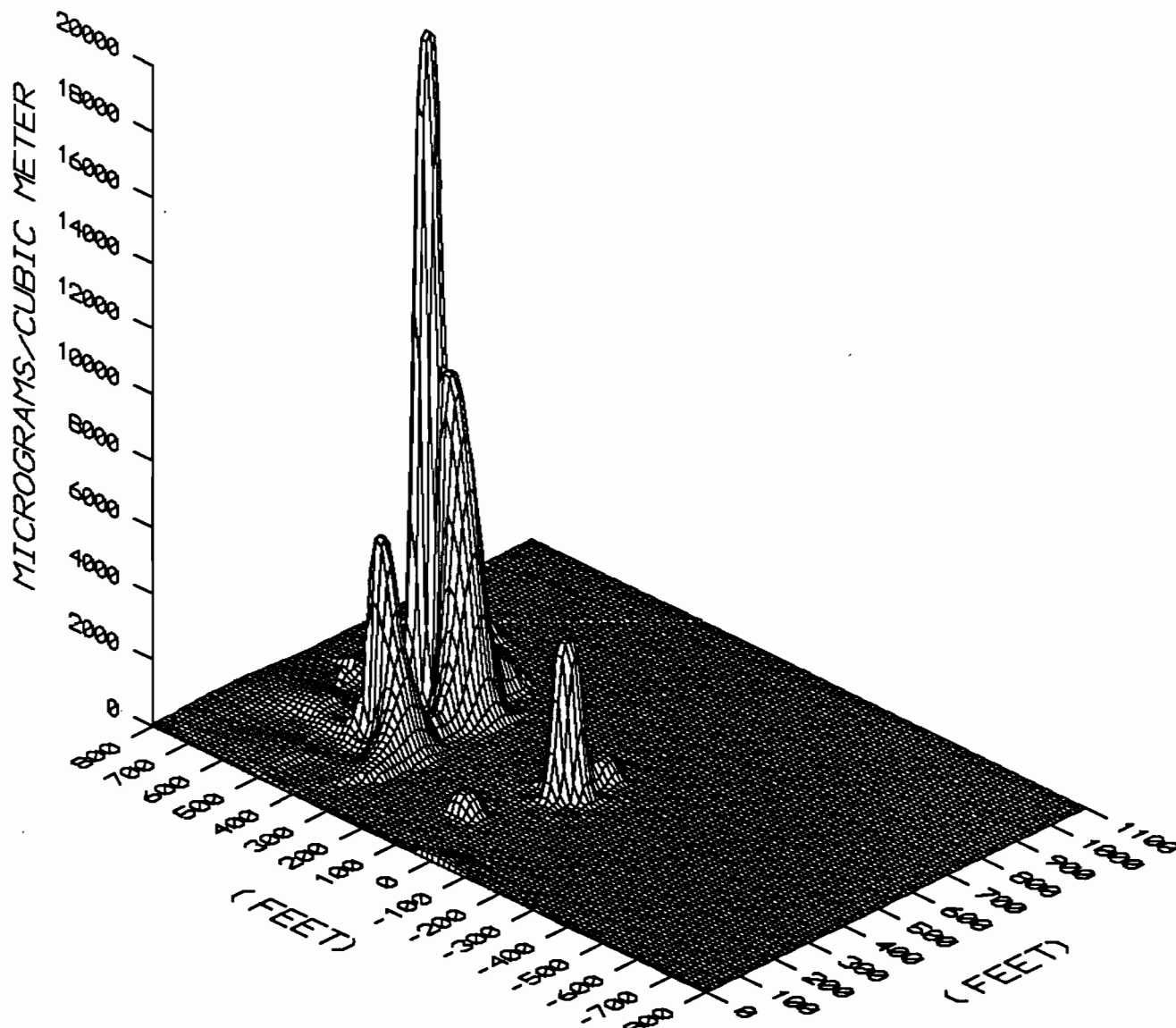


Figure E-7



SOIL GAS (TOTAL PURG. AROMATIC CPDS.)

Figure E-8

SOIL GAS (TOTAL PURG. AROMATIC CPDS.)

C. I. = 10 MICROGRAMS/CUBIC METER

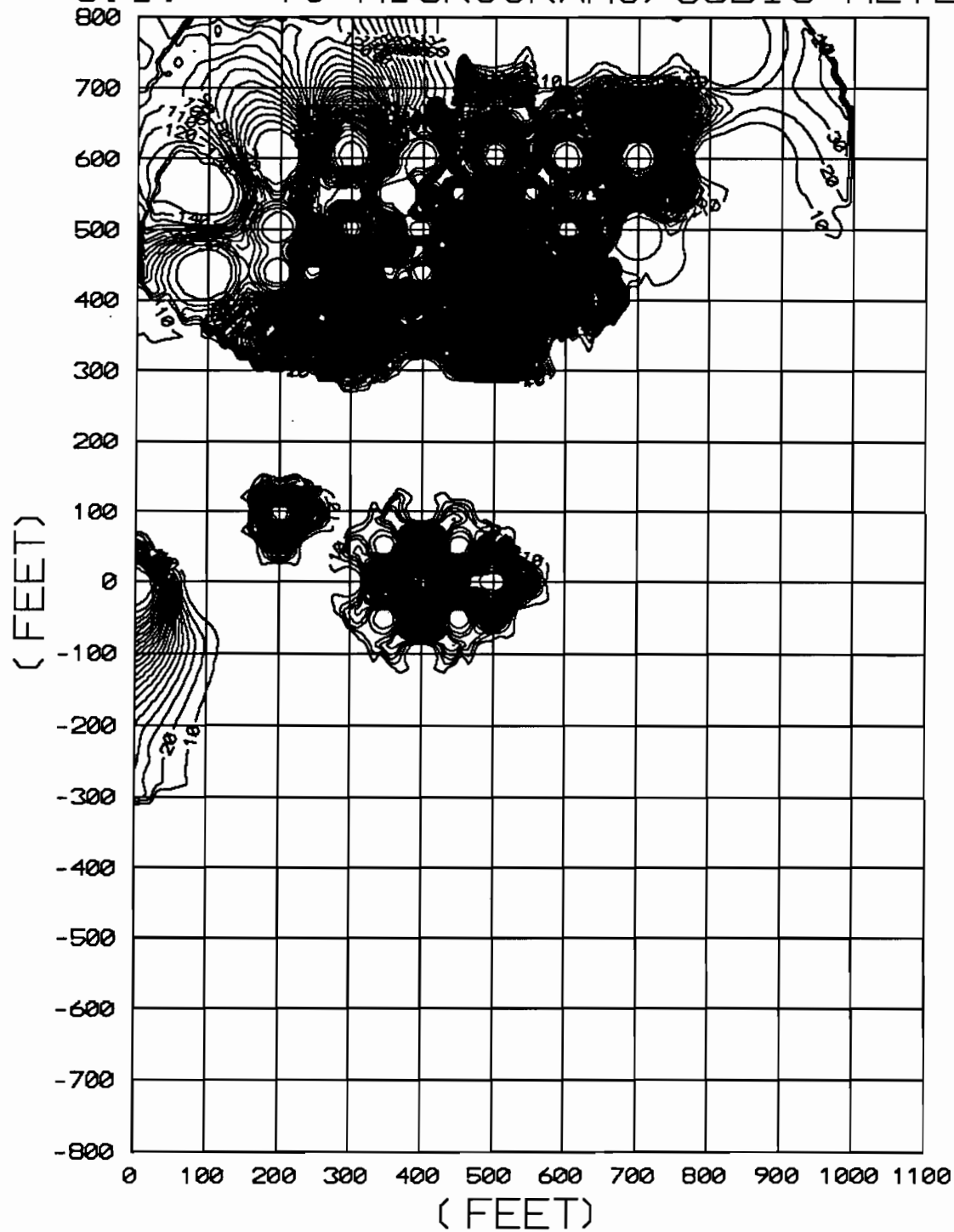


Figure E-9

SOIL GAS (TOTAL PURG. AROMATIC CPDS.)

C.I. = 100 MICROGRAMS/CUBIC METER

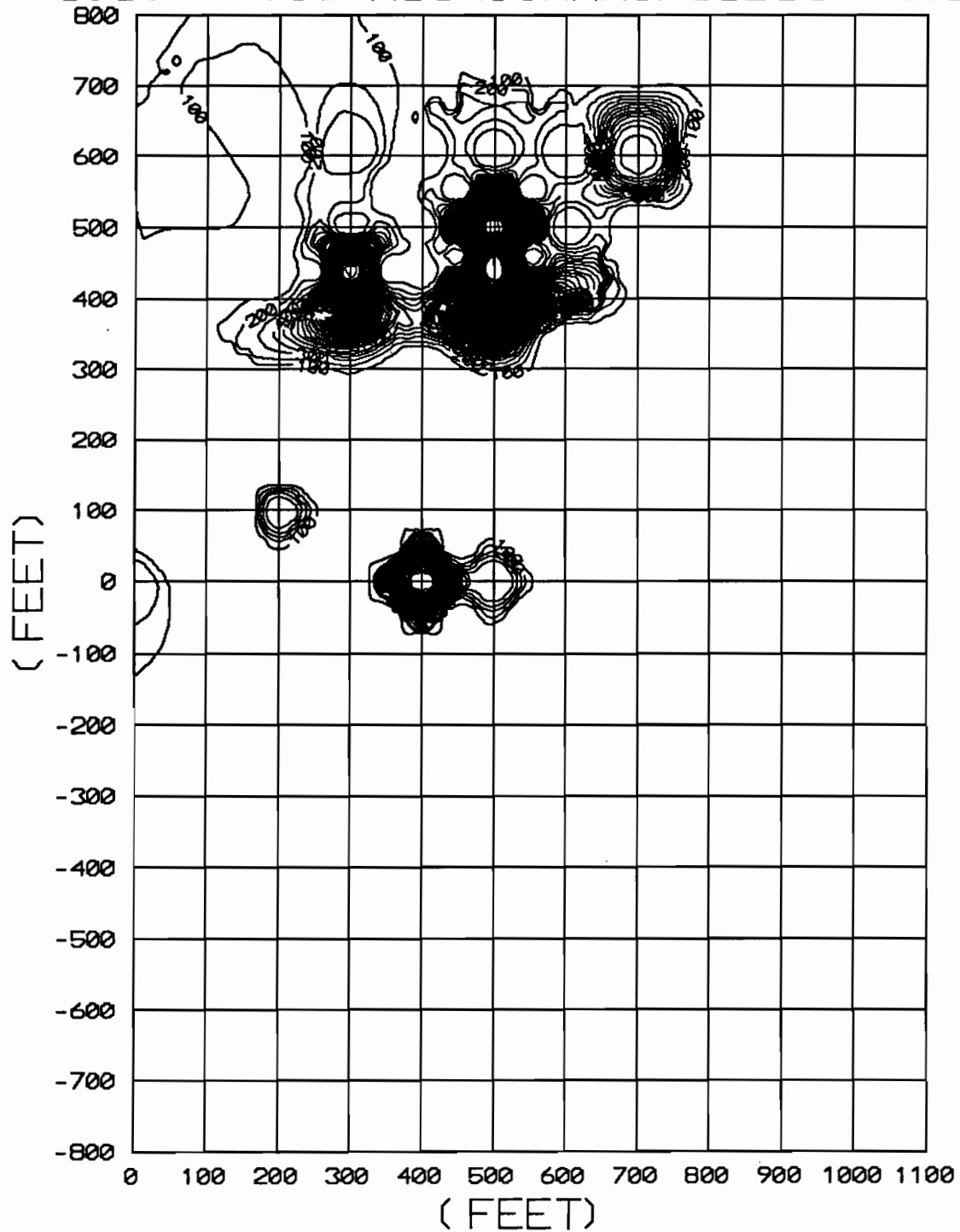


Figure E-10

SOIL GAS (TOTAL PURG. AROMATIC CPDS.)

C.I. = 500 MICROGRAMS/CUBIC METER

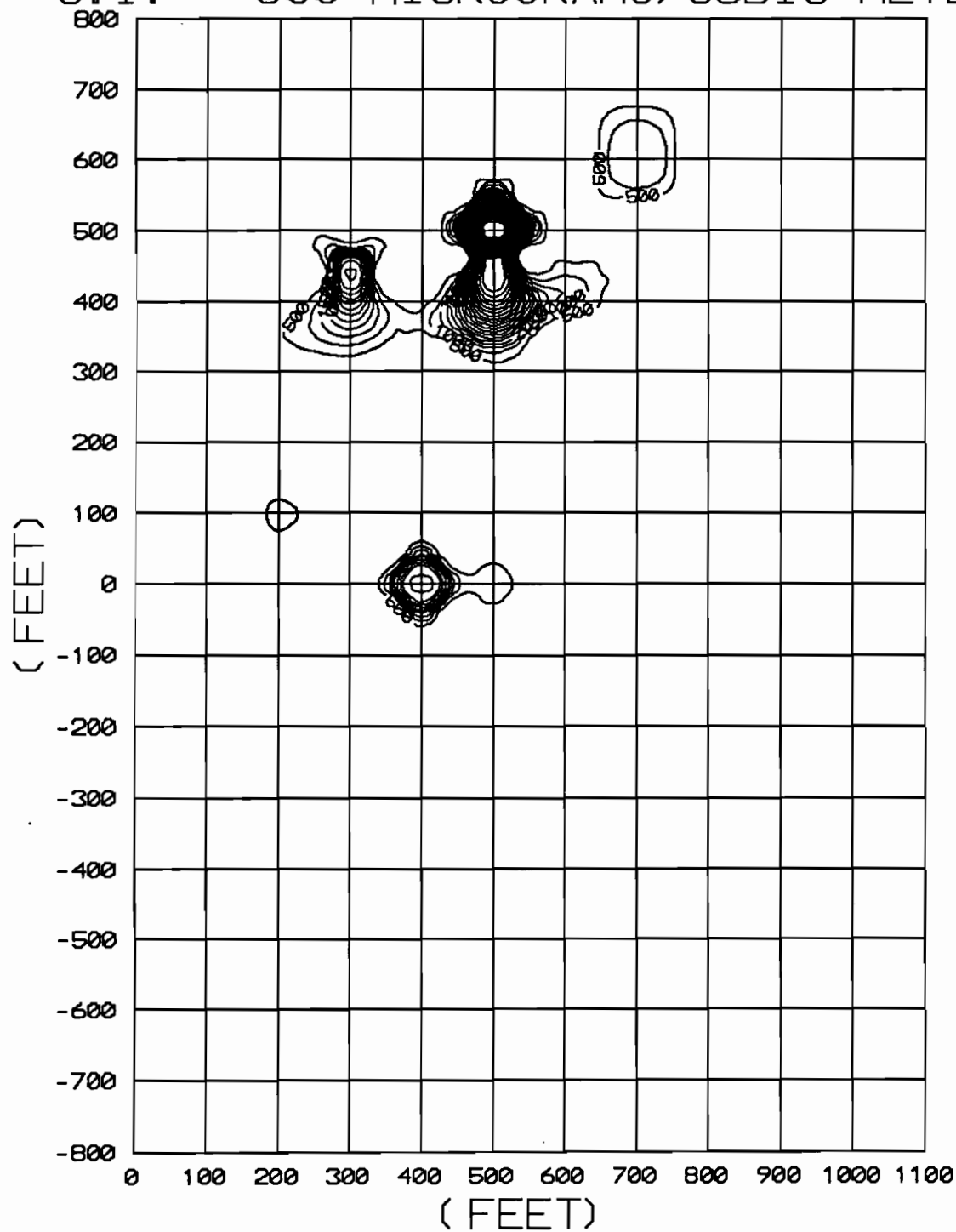


Figure E-11

SOIL GAS (TOTAL PURG. AROMATIC CPDS.)

C.I. = 1000 MICROGRAMS/CUBIC METER

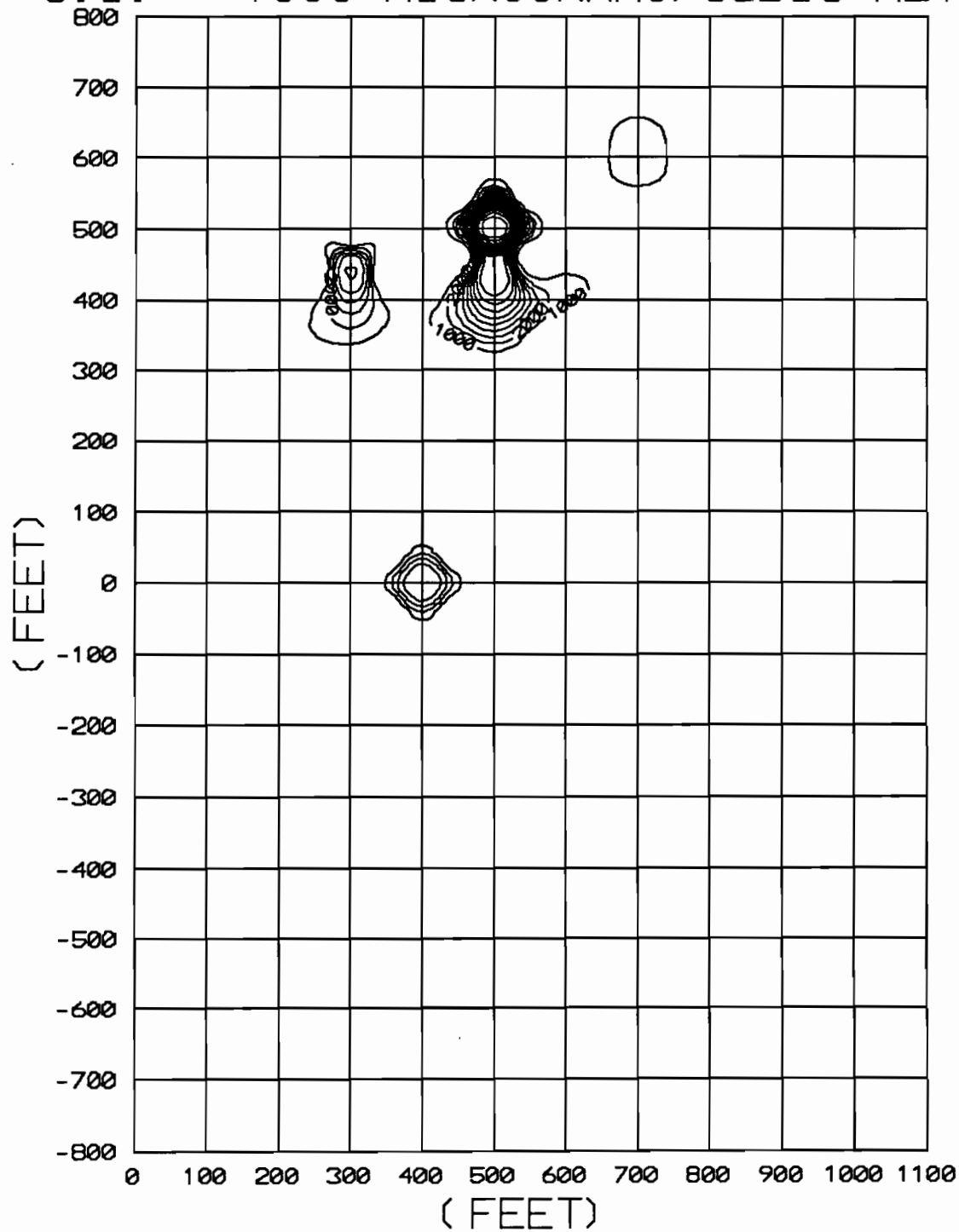


Figure E-12

APPENDIX F

GEOTECHNICAL RESULTS



FISHER RD., EAST SYRACUSE, N.Y. 13057
TELEPHONE AREA CODE 315/437-1429
800/782-7260 FAX 315/437-1770

May 12, 1993

Mr. Gene Florentino
Ecology & Environment, Inc.
368 Pleasantview Drive
Lancaster, New York 14086

Re: L-93040
Laboratory Testing
PO #85785

Dear Mr. Florentino:

Enclosed are the results of laboratory testing performed at your request on jar soil samples delivered to our laboratory on May 4, 1993 for the above referenced project. Results include:

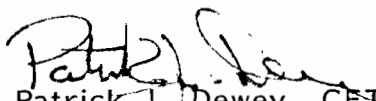
1. Sieve Analysis - ASTM D422 & D1140 4 each
2. Natural Moisture Content - ASTM D2216 4 each

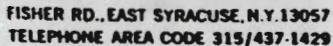
All requested tests have been completed on the previously received sample(s) for the above project. All sample remains are scheduled to be disposed of on June 12, 1993. Please notify Parratt-Wolff, Inc. by letter or telephone prior to June 12, 1993 if you would prefer to pick up the sample(s) or that the sample(s) be retained by Parratt-Wolff, Inc. for an additional period of time.

Thank you for this opportunity to work with you.

Very truly yours,

PARRATT - WOLFF, INC.


Patrick J. Dewey, CET
Assistant Laboratory Manager
PJD/blo
encs:



Project Title Laboratory Testing, PO#85785

May 12, 1993

Sieve Analysis ASTM D422[illegible]

Remarks:

Prewashed ASTM D1140

Yes x No

Performed By JG, ANL

May 12, 1993



L-93040
Laboratory Testing
PO #85785

NATURAL MOISTURE CONTENT
ASTM D2216

<u>Lab ID#</u>	<u>Sample #</u>	<u>Depth (Feet)</u>	<u>Moisture Content as a Percent of Dry Weight</u>
2576	MW 1D	7.0 - 9.0	7.8
2577	MW 6D	19.0 - 21.0	13.6
2578	MW 9D	4.0 - 6.0	10.3
2579	MW 10D	10.0 - 12.0	16.4

APPENDIX G

PHASE II REMEDIAL INVESTIGATION SCOPE OF WORK



**ecology and environment
engineering, p.c.**

BUFFALO CORPORATE CENTER

368 PLEASANTVIEW DRIVE, LANCASTER, NEW YORK 14086, TEL. 716/684-8060

August 18, 1993

Mr. David Chiusano
Project Manager
New York State Department of
Environmental Conservation
Bureau of Western Remedial Action
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, New York 12233-7010

Re: Proposal For Phase II RI
Dearcop Farm Site, Site No. 8-28-016
Work Assignment No. D002625-10

Dear Mr. Chiusano:

This letter is a follow-up to our past telephone conversations and August 5, 1993 meeting regarding the additional sampling necessary for the above referenced site. As discussed, additional sampling is necessary to more fully characterize the nature and extent of contamination and to facilitate human health risk assessment.

As per our August 18, 1993 telephone conversation, a complete budget modification package that addresses the modifications and additional work completed during the Phase I RI as well as the proposed costs to complete the project, will be submitted within 2 working days after the scope of work for the risk assessment is finalized. The proposed cost estimate for the additional work presented herein is subject to change depending on the final scope of work for the risk assessment. The changes would be most likely be limited to additional sampling that may be necessary to evaluate an exposure pathway. Changes would not include eliminating any of the proposed samples/analyses since these data are necessary not only for risk assessment purposes but also for site characterization. Since the changes in scope of work, if any, would not include elimination of any of the proposed samples, E & E recommends performing the field work during the week of August 23, 1993 to expedite the project schedule. The following provides E & E's proposed scope of work (including the basis for the proposed work) and a cost estimate.

SOIL GAS SAMPLING

As per your request, E & E will collect four (4) soil gas samples on and in the vicinity of 206 Dearcop Drive and one soil gas sample from 331 Dearcop Drive. E & E will also conduct a walk through survey of the basement at 206 Dearcop Drive with a NYSDEC and/or a Department of Health Representative.

SURFACE SOIL SAMPLING

During the Phase I RI field investigation, soil borings were installed in the backyards of 12 residences. The 12 residences were selected based on soil gas results and/or the results of the residential questionnaire (November 1991) received by NYSDEC (i.e., homeowners noting the presence of debris in their property). During the installation of these soil borings, man-made fill material (e.g., brick, slag fragments, and concrete) and/or a low density black sandy substance were observed during the installation of the soil boring at the following residences: 93 Dearcop (BH-93D), 206 Dearcop (BH-206D), and 33 Varian (BH-33V). Notable analytical results of the samples collected from these soil borings are provided below:

- o Elevated concentrations of PAHs (greater than 25 mg/kg total PAHs) were detected in the soil sample collected from BH-206D (2-4 foot depth interval) and BH-33V (1.5-1.75 foot depth interval);
- o Elevated concentrations of the following metals were detected in the soil sample collected from BH-206D: cadmium (111 mg/kg), copper (1,960 mg/kg), lead (774 mg/kg), nickel (1,210 mg/kg); and
- o 6.5% asbestos was detected in the soil sample collected from BH-93D.

Due to the concentrations of contaminants detected in the aforementioned soil samples which were noted to contain debris, additional surface soil sampling from residential yards is necessary to facilitate the human health risk assessment. Because the elevated concentrations of contaminants appear to be associated with debris, additional soil sampling is proposed for the following residences believed to contain debris based upon the questionnaire and/or field observations: 93, 149, 168, 181, 205, 206, 244, 263, 270, 320, and 331 Dearcop Drive; and 33 Varian Lane. Since the exposure pathway would be the residential property as a whole, E & E proposes that one composite surface soil sample (0-6 inches) be collected from each of these residences. It is further proposed that the composite sample will be collected with a bias towards use (i.e., near swing sets, in gardens, etc.). If debris is found during the sampling, a separate grab sample of the debris will be collected for chemical analysis.

Mr. David Chiusano
August 18, 1993
Page 3

As per your direction, the composite surface soil samples will be analyzed for the contaminants detected at elevated concentrations in the subsurface soil samples collected from the residences (i.e., TCL metals, PAHs, and asbestos). Any grab samples of debris will be analyzed for full TCL and asbestos (assumed 2 samples for costing purposes.)

As agreed during the August 5, 1993 meeting, five (5) background surface soil samples will be collected from areas that have been relatively undisturbed by development and landfilling (e.g., the wooded area north of I-490 and east of Varian Lane between the residential lots and the Barge Canal). The purpose of these samples is to establish a more reliable background data base in order to properly evaluate the chemical data (i.e., separate background levels from those potentially due to site contamination). The background soil samples will be analyzed for full TCL metals, PCB/Pesticides, PAHs, and radionuclides.

SUBSURFACE SOIL SAMPLING

A subsurface soil sample will be collected from 331 Dearcop Drive for full TCL analysis, asbestos, and radiological analyses due to the reported presence of debris and the "blue material".

SURFACE WATER/SEDIMENT SAMPLING

Additional surface water/sediment sampling is necessary to determine if the contamination detected is site derived. Surface water/sediment samples will be collected from the Barge Canal as well as the drainage ditch that traverses the site and discharges into the Barge Canal. A total of five (5) surface water and sediment samples will be collected and analyzed for the following: full TCL Metals, PAHs, and PCB/Pesticides.

GROUNDWATER

A second round of groundwater samples will be collected from all existing monitoring wells and analyzed for full TCL parameters.

The methodology for all of the aforementioned sampling will be in accordance with the final RI/FS Work Plan (E & E, May 1992).

Table 1 summarizes the sampling and analyses for the Phase II RI (including QA/QC samples). Table 2 presents the analytical costing summary. Schedule 2.11 (F) - Unit Price Subcontracts, for Data Validation and Radionuclides Analyses are also attached.

The Schedule 2.11(F) for Data Validation reflects the decisions made during our August 17, 1993 telephone conversation regarding data

Mr. David Chiusano
August 18, 1993
Page 4

validation. Specifically, based upon my August 11, 1993 telephone conversation with Charlie Vernoy, NYSDEC's Quality Assurance Officer), data validation for the aforementioned Phase II RI field work will be limited to the following:

- o The data will be reviewed for consistency with respect to contaminant concentrations;
- o The data will be reviewed for blank contamination and qualified as appropriate; and
- o If contaminants are detected in the surface soil samples collected from the residential yards, the analyses of three soil samples will be third party data validated.

E & E's cost estimate to perform the aforementioned additional field and to revise the Phase I RI Report are provided in Table 3. (A complete budget modification package including the appropriate cost schedules and proposed project schedule will be submitted when the scope of work for the risk assessment is finalized.) Revisions to the Phase I RI Report will include the following:

- o Revising the appropriate sections, tables, and figures to include the additional data. The current text may be revised or an addendum prepared. At a minimum, analytical tables, contaminant maps, and groundwater contour maps will be developed; as well as modifications/revisions to sections of the report as appropriate (e.g., Section 4 (Nature and Extent of Contamination) and Section 5 (Contaminant Fate and Transport) and Section 8 (Summary and Conclusions);
- o Addressing one set of collated comments on the Draft Phase RI Report; and
- o Submitting a revised draft Phase I RI Report to NYSDEC as well as to the names of the persons on the distribution list provided by NYSDEC.

The administrative costs associated with the proposed costs are limited to reviewing work assignment costs (2 NSPE Labor Classification IX hours and 6 NSPE Labor Classification IV hours); and revising and preparing a revised draft RI Report - word processing (65 NSPE Labor Classification I hours), graphic artists (15 NSPE Labor Classification II Hours), and report editing (55 NSPE Labor Classification II hours). The appropriate 2.11(b) schedules will be included in the budget modification package.

Mr. David Chiusano
August 18, 1993
Page 5

If you have any questions or require additional information, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink that reads "M. Cathy Geraci". The signature is written in a cursive, flowing style.

M. Cathy Geraci
Project Manager

cc: G. Florentino
H. Shapiro
CTF/OB5020

Table 1

SAMPLING AND ANALYSIS SUMMARY - TASK 5 - PHASE II RI

Sample Type	Number of Samples	Field Duplicates	Trip Blanks ^a	Rinsate Blanks	MS/MSD Samples	Laboratory Spike Blanks	Total Samples	Analyses
Soil gas	5	1	1	—	—	—	7	Target Compounds specified on Table 4-10 of the RI/FS Work Plan.
Surface soils from residential yards	12	1	—	—	1/1	1	16	TCL metals, PAHs, asbestos
Grab Debris Soil Samples	2	—	—	—	—	—	2	Full TCL, asbestos
Surface waters	5	1	—	—	1/1	1	9	TCL metals, PAHs, and PCB/Pesticides
Sediment	5	1	—	—	—	—	6	TCL metals, PAHs, and PCB/Pesticides
Subsurface soil - soil boring (331 Dearcop Drive)	1	—	—	—	1/1	1	4	Full TCL, radionuclides, asbestos
Groundwater - 2nd round	17	2	5	1	1/1	1	28	Full TCL
Surface soil - background	5	1	—	—	—	—	6	TCL metals, PCB/Pesticides, PAHs, radionuclides

^a Trip blanks will be analyzed for volatiles only. One trip blank per day of sampling for waters will be required.

Table 2 TASK 5 - PHASE II RI ANALYTICAL COSTING SUMMARY DEARCOP FARM SITE			
Laboratory Analysis/Analytical Method	Estimated Number of Samples	Unit Cost (\$)	Total Cost (\$)
Soil/Sediment			
Pesticides/PCBs (91-3)	18	277	4,986
Semi-volatiles (91-2)	6	559	3,354
PAHs (8310)	28	177	4,956
Purgeable organics (91-1)	6	314	1,884
Cyanide (total) (335.2)	34	35	1,190
Inorganics (CLP)	34	300	10,200
Asbestos (40 CFR 763, polarized light)	15	30	450
SUBTOTAL			\$27,020
Water			
Pesticides/PCBs (91-3)	32	224	7,168
Semi-volatiles (91-2)	23	532	12,236
PAHs (8310)	9	177	1,593
Purgeable organics (91-1)	28	282	7,896
Cyanide (total) (335.2/9010)	32	35	1,120
Inorganics (CLP)	32	300	9,600
SUBTOTAL			\$39,613
Air			
Volatiles using a GC with PID/ECLD. Sample container is a tedlar bag.	7	85	595
TOTAL ANALYTICAL COSTS			\$67,228

SCHEDULE 2.11(F)
UNIT PRICE SUBCONTRACTS
WORK ASSIGNMENT D002625-10

Name of Subcontractor		Services to be Performed	Subcontract Price
ChemWorld Environmental, Inc.		Data Validation	\$373
Type of Analysis	Unit Cost (\$)	Number of Units	Total Cost
Soil			
VOA	32.00	1	32
BNA	38.00	1	38
PAHs	32.00	3	96
P/PCB	33.00	3	99
Inorganics	36.00	3	108
TOTAL			373

Note: Number of samples does not include laboratory QC samples.

- VOA = Volatile organic analysis per NYSDEC ASP CLP Method 89-1.
- BNA = Base/Neutral/Acid extractables per NYSDEC ASP CLP Method 89-2.
- P/PCB = Pesticides/polychlorinated biphenyls per NYSDEC ASP CLP Method 89-3.
- Inorganics = 23 metals per NYSDEC ASP CLP Methods 200-M Series and cyanide per Method 335.2 (water) and 9010 (soil/sediment).

SCHEDULE 2.11(F)
UNIT PRICE SUBCONTRACTS
WORK ASSIGNMENT D002625-10
TASK 5 - PHASE II RI

Name of Subcontractor	Services to be Performed	Subcontract Price	
Teledyne Isotopes	Radionuclides Analysis	\$970	
Type of Analyses	Unit Cost	Number of Units	Total Cost
Soil/Sediment			
Gross Alpha	16.00	10	160
Gross Beta	16.00	10	160
Gamma Spectrometry, Radium-226, and Radium-228	65.00	10	650
TOTAL			\$970

TABLE 3

ECOLOGY AND ENVIRONMENT, INC.
ESTIMATED DIRECT HOURS AND COSTS

Task 5A: Post-Screening Field Investigation (Phase II RI).

CLIENT: NYSDEC - Dearcop Farm Site

WORK ASSIGNMENT NO. D002625-10.1

Rate/Hr	NSPE Labor Category	5A
\$42.25	IX	10
\$32.27	VIII	0
\$26.80	VII	0
\$25.10	VI	0
\$19.27	V	140
\$16.09	IV	100
\$14.18	III	80
\$12.60	II	70
\$10.11	I	65
TOTAL HOURS		465
1) Total Labor Cost		\$7,403
2) Overhead	170.0%	12,585
3) Total Labor and Overhead		\$19,988
4) Travel		1,018
5) Other Direct Costs		2,640
6) Computer Usage		240
7) Subtotal		\$23,886
8) Subcontractors		1,343
9) Subtotal		\$25,229
10) E&E Drilling		0
11) E&E Analytical Services		67,228
12) E&E Equipment Usage		995
13) Subtotal		\$93,452
14) Fee on line 3	7.4%	1,479
15) TOTAL PRICE		\$94,931

TABLE 3 (Continued)

TASK 5A Labor	People	Field Days	Field H/Day	Field M-Day	Field Hours	In-House Hours	Total Hours
IX				0	0	10	10
VIII				0	0		0
VII				0	0		0
VI				0	0		0
V	1	5	12	5	60	80	140
IV				0	0	100	100
III	1	5	12	5	60	20	80
II				0	0	70	70
I				0	0	65	65
Total				10	120	345	465

TASK 5A Travel	Unit	No. of Units	Unit Cost	Total Cost
Per Diem	Day	8	\$26	208
Lodging	Day	8	\$57	456
Gasoline	Day	6	\$10	60
Van Rental	Day	6	\$49	294
Total				\$1,018

TASK 5A Other Direct Costs	Unit	No. of Units	Unit Cost	Total Cost
Communication Costs	Call	43	\$5.00	215
Copying Costs	Page	32,500	\$0.07	2,275
Protective Clothing [Level D]	Day	10	\$15	150

TASK 5A Computer Usage	Hours	Cost Per Hour	Total Cost
CAD	16	\$15	240
Total			\$240

Total \$2,640

TASK 5A Subcontractors	Cost	TASK 5A E & E Analytical	Cost
Radionuclides	970		67,228
Data Validation	373		
Total	\$1,343	Total	\$67,228

TASK 5A E & E Equipment Use	Time Period	No. of Periods	No. of Units	Unit Cost/Pd	Total Cost
OVA	Day	5	1	\$47	235
Soil Gas	Day	1	1	\$41.50	42
Draeger Pump	Day	5	1	\$6	30
O2 Explosimeter	Day	5	1	\$16	80
2" Submersible Pump	Day	5	1	\$70	350
Sediment Sampler	Day	1	1	\$9	9
Gillian Samp Pump	Day	1	13	\$13	169
pH/Cond Meter	Day	5	1	\$16	80
					0
					0
					0
Total					\$995

TABLE 3 (Continued)

TASK 5A Labor	People	Field Days	Field H/Day	Field M-Day	Field Hours	In-House Hours	Total Hours
IX				0	0	10	10
VIII				0	0		0
VII				0	0		0
VI				0	0		0
V	1	5	12	5	60	80	140
IV				0	0	100	100
III	1	5	12	5	60	20	80
II				0	0	70	70
I				0	0	65	65
Total				10	120	345	465

TASK 5A Other Direct Costs	Unit	No. of Units	Unit Cost	Total Cost
Communication Costs	Call	43	\$5.00	215
Copying Costs	Page	32,500	\$0.07	2,275
Protective Clothing [Level D]	Day	10	\$15	150

Total \$2,640

TASK 5A Subcontractors	Cost	TASK 5A E & E Analytical	Cost
Radionuclides	970		67,228
Data Validation	373		
Total	\$1,343	Total	\$67,228

TASK 5A Travel	Unit	No. of Units	Unit Cost	Total Cost
Per Diem	Day	8	\$26	208
Lodging	Day	8	\$57	456
Gasoline	Day	6	\$10	60
Van Rental	Day	6	\$49	294
Total				\$1,018

TASK 5A Computer Usage	Hours	Cost Per Hour	Total Cost
CAD	16	\$15	240
Total			\$240

TASK 5A E & E Equipment Use	Time Period	No. of Periods	No. of Units	Unit Cost/Pd	Total Cost
OVA	Day	5	1	\$47	235
Soil Gas	Day	1	1	\$41.50	42
Draeger Pump	Day	5	1	\$6	30
O2 Explosimeter	Day	5	1	\$16	80
2" Submersible Pump	Day	5	1	\$70	350
Sediment Sampler	Day	1	1	\$9	9
Gillian Samp Pump	Day	1	13	\$13	169
pH/Cond Meter	Day	5	1	\$16	80
					0
					0
					0
Total					\$995

APPENDIX H

NYSDEC QUESTIONNAIRE TO RESIDENTS

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233



Thomas C. Jorling
Commissioner

November 18, 1991

New York State Inactive Hazardous Waste Site, No. 8-28-016

Dearcop Farm

November, 1991

QUESTIONNAIRE

Dear Resident:

This questionnaire has been prepared by the New York State Department of Environmental Conservation (NYSDEC) and distributed to each residence on Dearcop Drive and Varian Lane. Your honest responses to the questions and requests on the following pages will help the NYSDEC and its consultant, Ecology and Environment Inc., conduct a thorough, productive remedial investigation of the Dearcop Farm site. Your name, address and telephone number will be kept confidential.

Please return the completed questionnaire to the NYSDEC by December 6, 1991. A self-addressed stamped envelope is enclosed for your convenience. If you need assistance completing the questionnaire, feel free to call Andy Norton, Citizen Participation Specialist with the NYSDEC's Region 8 office in Avon, at (716) 226-2466.

Thank you for taking the time to complete this questionnaire. Your cooperation is greatly appreciated.

PLEASE PRINT OR TYPE

1. Name: _____
2. Address: _____

3. Telephone Number (Home): _____
(Business): _____
4. Name of person completing form: _____
5. If you rent your home, please list name, address of owner, and
telephone number of owner:

6. In what year was your home built?: _____
7. When did you move in?: _____
8. Number of tenants/ages: _____

9. Did you or any member of your family observe any dumping activities that occurred at the Dearcop Farm Site?:
Yes or No (Circle one)
10. If YES, please list, to the best of your recollection, names of the companies and/or persons dumping and a description of what was dumped (continue on the back of this page, if necessary):
11. Do you have any recollection of a 55-gallon drum storage area or open burn area that may have once existed in the area?:
Yes or No
12. If yes, please indicate the general location on attached site map.
13. During the construction of your home, was there any material other than rocks, tree roots, and native soil uncovered?
Yes or No or Don't Know
14. If YES, please describe the type and location of the material uncovered: (use sketch if necessary)
15. Was your home built by a contractor?: Yes or No
16. If YES, please provide name, address and telephone number of contractor:

17. Since the construction of your home have you or anybody working for you performed any digging or excavating on your property?:
Yes or No

18. If YES, was there any material other than rocks, roots, or soil encountered?: Yes or No
19. If YES, please describe the nature of the material uncovered, where it was uncovered, and at approximately what depth was it uncovered?: (use sketch if necessary)
20. What do you believe is the source of this material?:
21. In your best estimate, in cubic feet, what is the amount of unnatural material on your property? (To estimate cubic feet, multiply the square footage of the surface area of the unnatural material (length x width) by the depth, in feet, of the unnatural material):
22. Do you grow fruit trees and/or annually grow a vegetable garden?:
Yes or No
23. If yes, what type of food is grown?:
24. Draw a sketch of your lot. Indicate north (toward the landfill). Please include locations of wells, pools, gardens and other important landmarks. Use attached blank sheet of paper on next page.
25. Does your home have a sump?: Yes or No
26. If YES, does your sump contain water?: Yes or No
27. If YES, how frequently does your sump contain water?:

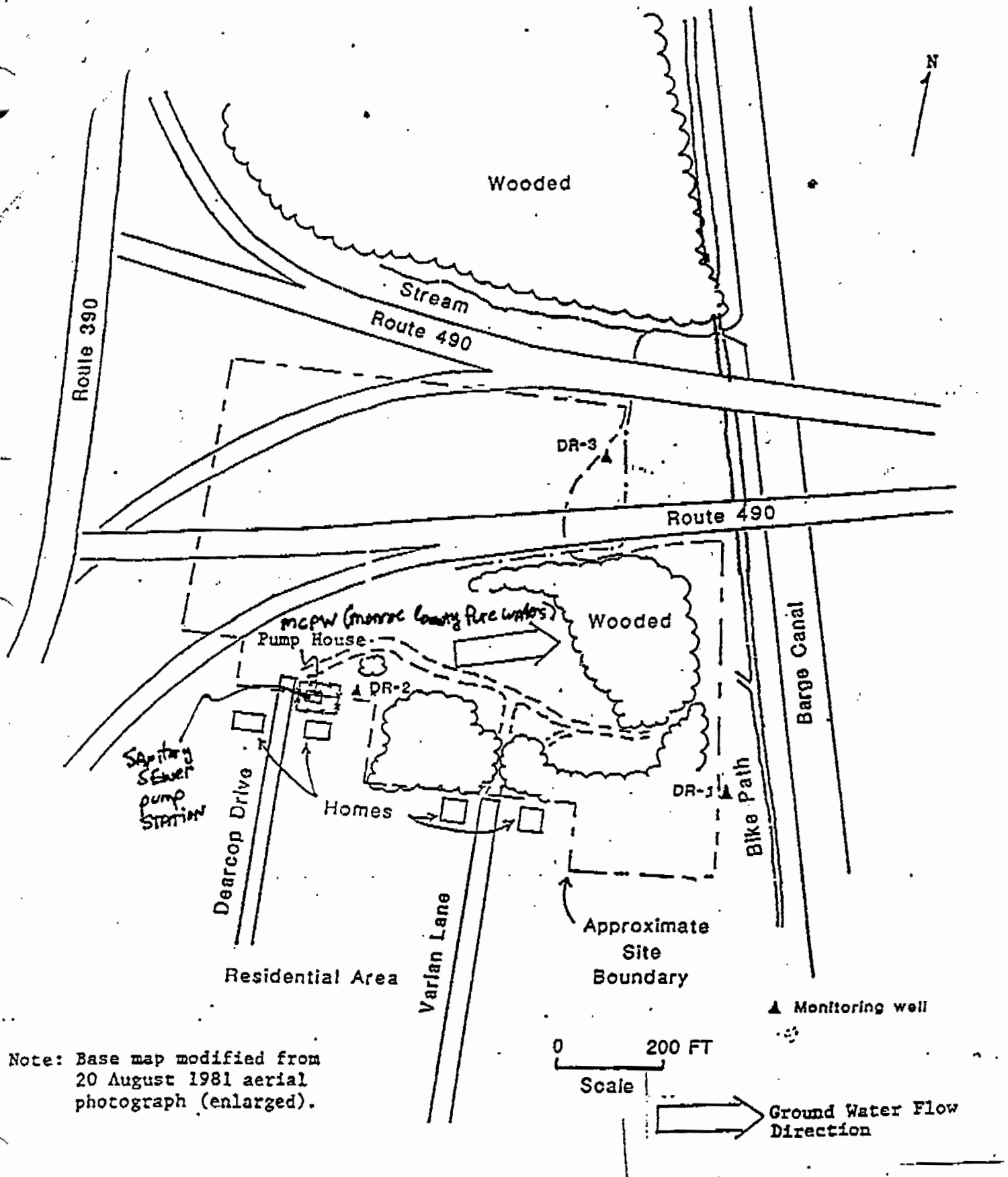
24(continued). Please draw sketch of your lot on this page. Thank you.

28. Use this space to provide any other information you think the NYSDEC should know (continue on the back of this page, if necessary):

Thank you again for your assistance. If you know of others who may have witnessed dumping at the Dearcop Farm site, please encourage them to complete and return their questionnaires or, if they live outside the Dearcop-Varian neighborhood, to contact David Chiusano, Project Manager, at the NYSDEC address and phone number listed below.

Mr. David J. Chiusano
Project Manager
New York State Department of Environmental Conservation
50 Wolf Road
Rm 222
Albany, NY 12233-7010
(518) 457-3373

* Business card included for your future reference



Dearcop Farm Site Sketch

APPENDIX I

VOLATILIZATION TO AMBIENT AIR FROM A SUBSURFACE SOURCE

The total steady-state contaminant emission rate to the air can be estimated by multiplying the volatilization flux by the area of contaminated soil:

$$Q = A_c \cdot \eta$$

where:

Q = total contaminant vapor emission rate to air (g/s)

A_c = area of soil contamination source of vapors (cm²)

η = contaminant mass flux per unit area of soil surface (g/cm²-s)

Using the Millington-Quirk model which accounts for a decrease in flux due to the effect of soil moisture on effective diffusivity, a steady-state volatilization flux from a subsurface contamination source can be expressed as:

$$\eta = D_i \frac{P_a^{10/3}}{P_T^2} \cdot \frac{C_p}{h}$$

where:

D_i = molecular diffusivity of chemical of chemical species "i" in air (cm²/s)

P_a = Air filled porosity of soil (dimensionless)

P_T = total porosity of soil (dimensionless)

C_p = Contaminant concentration in soil gas (g/cm³)

h = depth of soil layer through which vapors diffuse (Cn)

Using the near-field box model for estimating the air concentration downwind of an emission source:

$$C_a = \frac{f \cdot Q}{H_b \cdot W_b \cdot U_m}$$

where:

C_a = concentration of contaminant in ambient air (g/m^3)

f = fraction of time receptor is downwind of source (dimensionless)

H_b = downwind height of the box, a function of the downwind distance of the receptor, assumed to equal the length of the contaminated area (m)

W_b = Crosswind dimension of contaminated area (m)

U_m = Average windspeed through the box (m/s)

Combining these three equations:

$$C_a = C_p \cdot D_i \frac{P_a^{10/3} / P_T^2}{h} \cdot \frac{A_c \cdot f}{H_b \cdot W_b \cdot U_m}$$

Assuming the following parameter values:

D_i = 0.09 cm^2/s , typical for TCE plus similar organics

P_T = 0.35, typical for medium sand

P_a = 0.20, typical for medium sand

η = 50 cm, assumed depth to contamination

A_c = 25,000,000 cm^2 , for a 50 m x 50 m area

f = 0.25 assumed downwind one quarter of the time

H_b = 3.8 m, plume height for a 50 m length

W_b = 50 m

U_m = 2.25 m/s, approximately 5 miles/hour,

$$C_a = C_p \cdot \frac{0.09 \text{ cm}^2/s \cdot (0.2^{10/3} / 0.35^2)}{50 \text{ cm}} \cdot \frac{25,000,000 \text{ cm}^2 \cdot 0.25}{3.8 \text{ m} \cdot 50 \text{ m} \cdot 2.25 \text{ m/s}}$$

$$C_a = C_p \cdot \frac{430 \text{ cm}^3/\text{s}}{427 \text{ m}^3/\text{s}}$$

$$C_a = C_p \cdot 1 \text{ cm}^3/\text{m}^3 = C_p \cdot 2 \text{ cm}^3/1,000,000 \text{ cm}^3$$

$$C_a = C_p \cdot 1 \times 10^{-6}$$

APPENDIX J

INDOOR AIR CONCENTRATIONS

For screening purposes, indoor air concentrations which could potentially result from intrusion of soil gas vapors into basements were estimated from measured contaminant concentrations in soil gas at the Dearcop Farm site using an attenuation coefficient (α) derived from a model developed by Johnson and Ettinger (1991) for vapor infiltration through cracks in basement floors and walls from an infinite source. This model, which is also described in the EPA guidance for assessing potential indoor air impacts (EPA 1992), is recommended as a screening level tool for risk assessment. The model incorporates both convective and diffusive transport mechanisms which contribute to vapor intrusion with typical values for soil properties and building characteristics to estimate α as a function of crack area, distance from the contaminant source, and soil permeability. These relationships are displayed graphically in Figures J-1 and J-2 on the following pages (see page A-26 of the EPA guidance document [EPA 1992]).

Assuming a crack area of 1 percent of the total basement floor and wall area ($\eta=0.01$), a contaminant source adjacent to the basement foundation ($L_T=0$), and a conservative soil permeability value for silty sand of $1 \times 10^{-8} \text{cm}^2$, the estimated α (from Figure J-1) is approximately 2.5×10^{-4} . If the source were located one meter from the basement foundation (as in the case of contaminant vapors emanating from groundwater beneath the residential neighborhood), the estimated α (from Figure J-2) would be slightly lower at approximately 2.2×10^{-4} . For screening purposes in all areas, a more conservative attenuation factor of 5×10^{-4} was used to estimate indoor air concentrations from soil gas measurements.

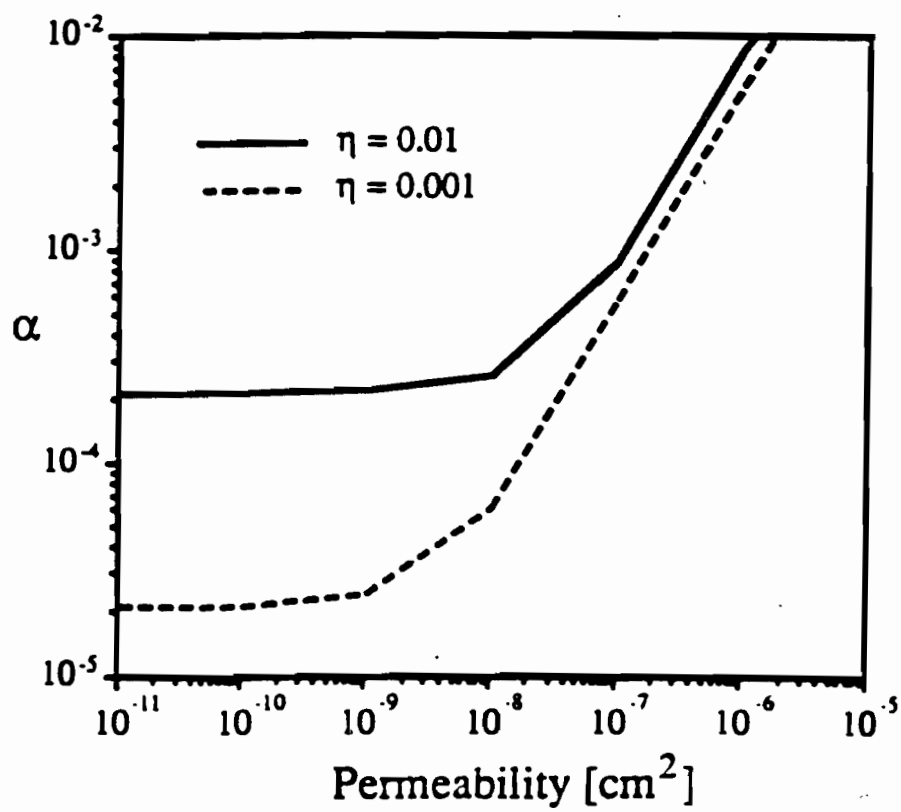


Figure J-1 ATTENUATION COEFFICIENTS
($L_T = 0$)

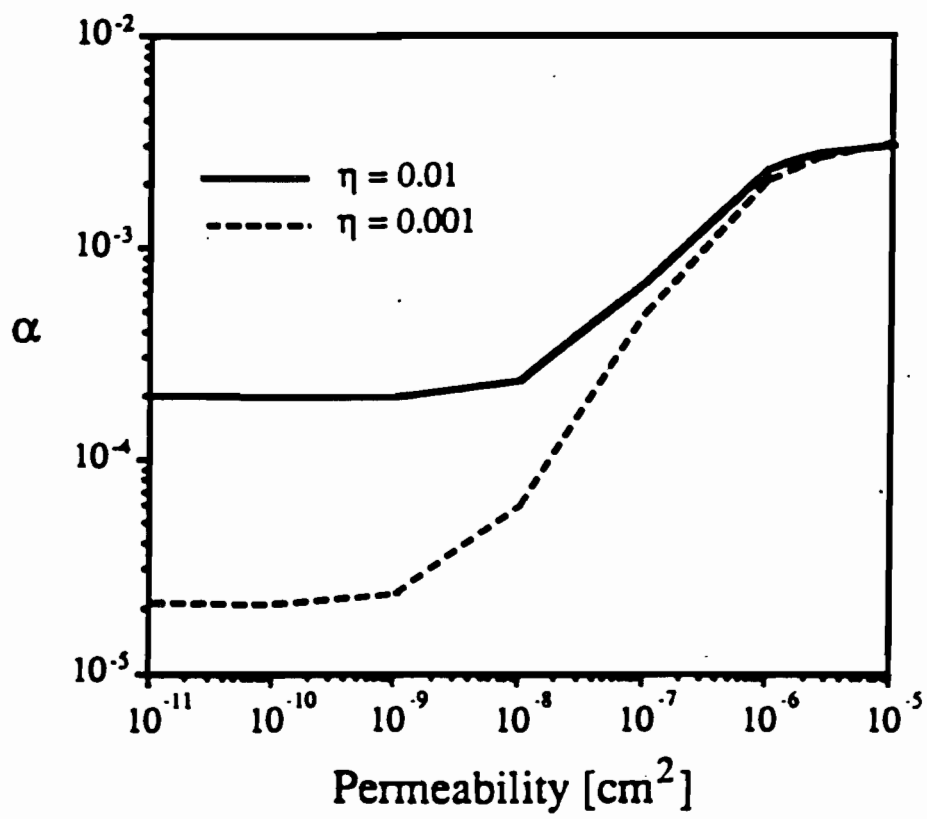


Figure J-2 ATTENUATION COEFFICIENTS
($L_T = 100 \text{ cm}$)