



LEA
LEA
LEA
LEA
LEA
LEA
LEA
LEA
LEA
LEA
LEA
LEA

LEA

LOUREIRO ENGINEERING ASSOCIATES

a professional corporation

CONSULTING ENGINEERS

AVON, CT.

LEA
LEA

APPENDICES
VOLUME I - REMEDIAL INVESTIGATION SUMMARY
REMEDIAL INVESTIGATION/FEASIBILITY STUDY REPORT
FOR THE
93RD STREET SCHOOL SITE(SITE NO. 9-32-078)
CITY OF NIAGARA FALLS
NIAGARA, NEW YORK



Prepared for:

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF ROAD
ALBANY, NEW YORK 12233
THOMAS C. JORLING, COMMISSIONER

DIVISION OF HAZARDOUS WASTE REMEDIATION
MICHAEL J. O'TOOLE, JR., P.E., ACTING DIRECTOR

CONTRACT NO. D-001319

MARCH 25, 1988

Prepared by:

LOUREIRO ENGINEERING ASSOCIATES
10 TOWER LANE
AVON, CT 06001

COMM. NO. 506-01



LIST OF APPENDICES

- APPENDIX A - DRAWING S-1 SITE PLAN - SAMPLE POINTS
 - APPENDIX B - DRAWING S-2 SITE PLAN - SAMPLE POINTS (INCLUDING
NUS DIOXIN)
 - APPENDIX C - SOIL BORING LOGS
 - APPENDIX D - EPA HAZARDOUS SUBSTANCE LIST
 - APPENDIX E - WELL LOG DATA
 - APPENDIX F - GROUNDWATER MONITORING FIELD DATA SHEETS
 - APPENDIX G - DRAWING G-1 SITE PLAN GROUNDWATER CONTOURS
 - APPENDIX H - SUMMARIES OF LABORATORY RESULTS
-

APPENDIX A

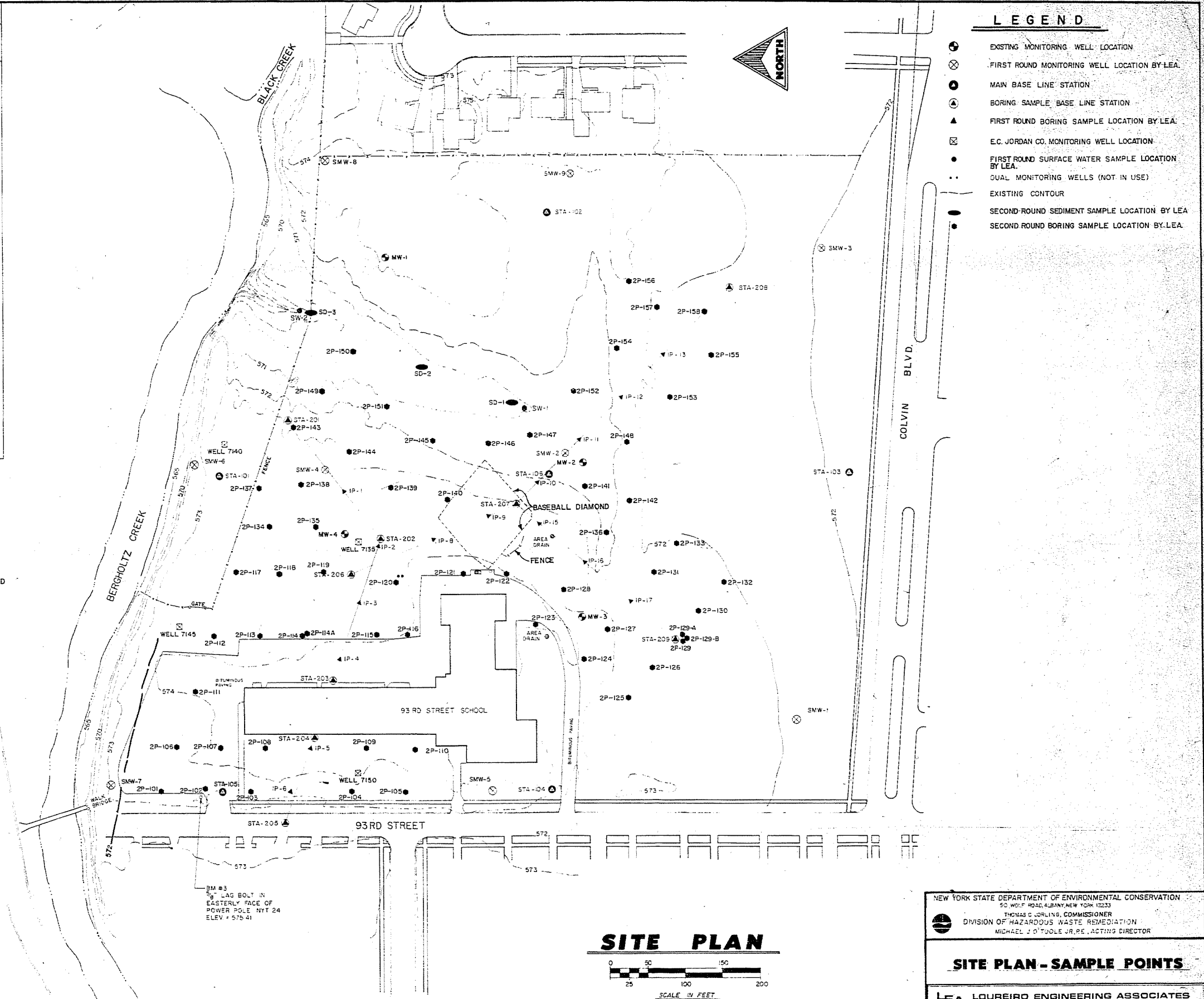
APPENDIX A

DRAWING S-1
SITE PLAN - SAMPLE POINTS

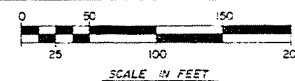
MONITORING WELL DATA					
WELL NO.	ELEVATIONS (MSL)				DEPTH (FT.)
	TOP-PROT. CASING	TOP-WELL CASING	GROUND SURFACE	BOTTOM OF WELL	
SMW-1	574.39	574.13	572.5	552.9	19.6
SMW-2	574.37	574.13	572.7	557.7	15.0
SMW-3	573.98	573.69	572.2	553.1	19.1
SMW-4	575.08	574.87	573.5	559.9	13.6
SMW-5	575.78	575.49	574.0	558.5	15.5
SMW-6	574.74	574.43	573.0	553.3	19.7
SMW-7	575.58	575.33	574.1	554.3	19.8
SMW-8	576.07	575.81	574.2	555.0	19.1
SMW-9	576.00	575.87	573.5	557.4	16.1
MW-1	575.26*		573.1		32.5***
MW-2	574.64*		571.1		31.0***
MW-3	575.01*		573.2		31.5***
MW-4	575.50*		573.5		31.3***
7135	576.77*	576.7	573.3	547.9**	22.5
7140	577.03*	576.78	573.5	548.6**	25.6
7145	577.56*	577.43	573.9	549.2**	24.0
7150	577.55*	577.22	574.2	548.9**	25.3

NOTES:

1. TOPS OF CASINGS ARE WITH CAPS OR COVERS REMOVED EXCEPT THOSE INDICATED WITH * ARE TOP OF COVER.
2. GROUND SURFACE ELEVATIONS ARE APPROXIMATE.
3. ELEVATIONS REPORTED BY E.C. JORDAN INDICATED WITH **
4. *** DEPTHS BASED ON RECREA LOGS; WELLS EXTEND INTO BEDROCK.
5. SECOND ROUND BORING SAMPLE LOCATIONS 2P-101 AND 2P-156 WERE DELETED



SITE PLAN



ELEVATION DATUM IS MEAN SEA LEVEL (MSL)

USCG MON C-93

BENCH MARK USCG MON C-93 IS A BRASS DISK AT ELEV 581.80 IN THE VICINITY OF THE NIAGARA FALLS AIRPORT AT THE INTERSECTION OF US HIGHWAY 62 AND WILLIAMS RD.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF ROAD, ALBANY, NEW YORK 12233
THOMAS G. LORING, COMMISSIONER
DIVISION OF HAZARDOUS WASTE REMEDIATION
MICHAEL J. O'TOOLE JR., P.E., ACTING DIRECTOR

SITE PLAN - SAMPLE POINTS

LEA LOUREIRO ENGINEERING ASSOCIATES
CONSULTING ENGINEERS
AVON CT.

REMEDIAL INVESTIGATION /
FEASIBILITY STUDY FOR
NYSDEC
93RD STREET SCHOOL SITE
NIAGARA FALLS, NY
DATE: MARCH 1998
S-1

APPENDIX B

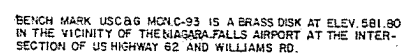
APPENDIX B

DRAWING S-2

SITE PLAN - SAMPLE POINTS
(Including NUS Dioxin)

 EXISTING MONITORING WELL LOCATION
 FIRST ROUND MONITORING WELL LOCATION BY LEA.
 MAIN BASE LINE STATION
 BORING SAMPLE BASE LINE STATION
 FIRST ROUND DIOXIN COMPOSITE SAMPLE LOCATION BY LEA.
 E.C. JORDAN CO. MONITORING WELL LOCATION
 FIRST ROUND WATER SAMPLE LOCATION BY LEA.
 DUAL MONITORING WELLS (NOT IN USE)
 NUS DIOXIN SURFACE SOIL SAMPLE STATIONS
 NUS DIOXIN SUB-SURFACE SOIL SAMPLE STATIONS
55QS, 160E NUS SAMPLE STATIONS DESIGNATIONS (e.g. 560' SOUTH AND 160' EAST OF OS, OE)
—83— MALCOLM PIRNIE INC. SOIL SAMPLE STATIONS
 SECOND ROUND DIOXIN COMPOSITE SAMPLE LOCATION BY LEA.

1. NUS CORP. DIOXIN SAMPLE STATION LOCATIONS BASED ON NUS 3-20-86 REPORT AS MODIFIED BY LETTER 2-27-87
2. MALCOLM PIRNIE INC. DIOXIN SOIL SAMPLE LOCATIONS BASED ON REPORT DATED JUNE, 1987




 No. 1000 Exp. 12/31/80 Scale 1" = 50' Date MARCH '80

S-2

APPENDIX C

APPENDIX C
SOIL BORING LOGS

FIRST ROUND
BORING LOGS

OWNER: NYSDEC BORING NO: 1P1 WELL NO: SHEET 1 OF 2
ADDRESS: Niagara Falls, New York DATE STARTED: 11/20/86 DATE COMPLETED 11/20/86

SOIL IDENTIFICATION
Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Sample Depths	Type	6" On Sampler	Moisture Density	Or	Consist.	Depth	Fracturing
From/To Sample	0-6	6-12	12-18	18-24			
0-2	SS	3	3	3/4	Loose Moist	6"	Topsoil (6") then silt, dark brown w/ dark gray streaks; some very fine gravel, sub-rounded; some silt, dark gray/organic (fill).
2-4	SS	6	2	2/3	Loose Moist	2'	Silt, dark gray, organic; trace coarse gravel, rounded (fill).
4-6	SS	2	2	4/6	Wet Medium Stiff	Approx 5'	Poor recovery, 4" silt, dark gray; 6" clay, gray, brown, mottled with orange streaks, native at approx. 5' bgl.
6-8	SS	3	6	7/8	Silt Wet Clay-Moist, V. Stiff	--	4" silt, dark gray (organic), (top of spoon-from auger); rest-clay, tan, brown, mottled, with orange and gray streaks (native material).
REMARKS: WOH = Weight of Hammer. WOR = Weight of Rods							

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

SUMMARY
(First 18" of SS drive)
Cohesionless Density Cohesive Consistency DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Earth Boring 10'
Rock Coring 0
Samples (SS) 5

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

Location: 93rd Street
School
Drilling Company: R&R International.
Driller: Martin Furlmann
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: W. Thomas
Reference Point: Grade
Well Construction
Screen Type: --
Diam: Slot No: --
Setting (BGL): --
Setting (Elevation): --
Riser Elevation: --
Protector Elevation: --
Gravel Pack Size: --
Protector: --
Static Water Level: --
Riser Stick-Up (AGL): --
Protector Stick-Up: --

PROPORTIONS USED

OWNER: NYSDEC BORING NO: 1P3 WELL NO: -- SHEET 1 OF 1
 ADDRESS: Niagara Falls, New York DATE STARTED: 11/10/86 DATE COMPLETED 11/10/86

SOIL IDENTIFICATION

Number of Blows Per 6" On Sampler
 Sample Type Of
 Depths From/To Sample 0-6 6-12 12-18 18-24
 Moisture Density Or Consist. Depth Fracturing
 Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of

0-2	SS	1	2	4/2	Moist to Wet Med Stiff	1'	Topsoil; silt brown and clay light brn mottled for 10", next 2" gravel, black angular, 2.5" silt, black (wet).
2-4	SS	1	1	1/1	Wet Soft		Poor recovery, silt black.
4-6	SS	1	1	1	Wet Soft		No recovery, stopped work high VOA readings (methane)?
6-8	SS	2	3	5/6	Wet Very Stiff	7'	Silt, blk, some gravel, angular, root fibers over 15" clay, gray w/red, mottling.
8-10	SS	2	3	4/5	Wet Stiff		2', clay, gray with red mottling.

REMARKS: Bottom of boring 10'.

Location: 93rd Street
School
 Drilling Company: R&R International
 Driller: Martin Furhmann
 Drilling Method: HSA
 Sampling Method: SS
 Samples Examined By: J. Ingrassia
 Reference Point: Grade (573)
 Well Construction
 Screen Type: --
 Diam: -- Slot No: --
 Setting (BGL): --
 Setting (Elevation): --
 Riser Elevation: --
 Protector Elevation: --
 Gravel Pack Size: --
 Protector: --
 Static Water Level: --
 Riser Stick-Up (AGL) --
 Protector Stick-Up: --

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

(First 18" of SS drive)
 Cohesionless Density Cohesive Consistency DRILLING METHOD

SUMMARY

0 - 4 Soft HSA=Hollow Stem Auger
 4 - 8 Med. Stiff Cd = Casing Drive
 8 - 15 Stiff Cs = Casing Spin
 15 - 30 Very Stiff Ar = Air Rotary
 30+ Hard Rb = Rotary Bit
 Cb = Core Barrel

PROPORTIONS USED

Trace 0 To 10%
 Little 10 To 20%
 Some 20 To 35%
 And 35 To 50%

SAMPLE TYPE

AR= Air Return
 C = Cored
 W = Washed
 SS= Split Spoon
 TP= Test Pit
 A = Auger Flight

OWNER: NYSDEC BORING NO: 1P4 WELL NO: - SHEET 1 OF 2
ADDRESS: Niagara Falls, New York DATE STARTED: 11/7/86 DATE COMPLETED 11/7/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Number of Blows Per 6" On Sampler

Moisture Density Or Consist.

Depth Fracturing

18-24

E. Side/School

on Pavement

R&R International

Martin Fuhmann

HSA

SS

Samples Examined By: W. Thomas

Grade

Well Construction

Screen Type: --

Diam: -- Slot No: --

Setting (BGL): --

Setting (Elevation): --

Riser Elevation: --

Protector Elevation: --

Gravel Pack Size: --

Protector: --

Static Water Level: --

Riser Stick-Up (AGL): --

Protector Stick-Up: --

Location:

Drilling Company:

Driller:

Drilling Method:

Sampling Method:

Samples Examined By: W. Thomas

Reference Point:

Well Construction

Screen Type: --

Diam: -- Slot No: --

Setting (BGL): --

Setting (Elevation): --

Riser Elevation: --

Protector Elevation: --

Gravel Pack Size: --

Protector: --

Static Water Level: --

Riser Stick-Up (AGL): --

Protector Stick-Up: --

E. Side/School

on Pavement

R&R International

Martin Fuhmann

HSA

SS

Samples Examined By: W. Thomas

Grade

Well Construction

Screen Type: --

Diam: -- Slot No: --

Setting (BGL): --

Setting (Elevation): --

Riser Elevation: --

Protector Elevation: --

Gravel Pack Size: --

Protector: --

Static Water Level: --

Riser Stick-Up (AGL): --

Protector Stick-Up: --

SAMPLE TYPE

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit

PROPORTIONS USED

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

SUMMARY

Earth Boring 10'
Rock Coring 0
Samples (SS) 5

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
(First 18" of SS drive)

Cohesionless Density Cohesive Consistency
0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense
Hard

DRILLING METHOD

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

REMARKS:

Asphalt, .5-2' (Augered through)
Gravel, sub-rounded, (asphalt base) and silt, dark brown (only 3" recovered.)
Silt (organic), dark gray; trace gravel, angular. (fill.)
Organic silt, gray black: methane pegged. V.O. meter, (fill.)
Organic silt, gray black to 7.5'; changed to silty clay, tan brown with root fibers, 7.5'-8' tan brown to dark gray (layers) (native material).

OWNER: NYSDEC BORING NO: 1P4 WELL NO: - SHEET 2 OF 2
ADDRESS: Niagara Falls, New York DATE STARTED: 11/7/86 DATE COMPLETED 11/7/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Number of Blows Per 6" On Sampler

Sample Type Of

From/To Sample 0-6 6-12 12-18 Consist. Depth Fracturing (ft.)

8-10	SS	1	1	1	Soft Wet	-	Clay, tan brown, mottled; little silt, dark gray, with organics (root fibers) (native material).
10	--	-	-	-	-	-	Bottom of boring.
REMARKS:							

Location: E. Side/School on Pavement
Drilling Company: R&R International
Driller: Martin Furhmann
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: W. Thomas
Reference Point: Grade
Well Construction
Screen Type: --
Diam: Slot No: --
Setting (BGL): --
Setting (Elevation): --
Riser Elevation: --
Protector Elevation: --
Gravel Pack Size: --
Protector: --
Static Water Level: --
Riser Stick-Up (AGL): --
Protector Stick-Up: --

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

SUMMARY

Earth Boring 10'
Rock Coring 0
Samples (SS) 5

PROPORTIONS USED

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
(First 18" of SS dirve)

DRILLING METHOD

Cohesionless Density Cohesive Consistency
0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense
0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard
HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

SHEET 1 OF 1
DATED 11/7/86

A = Auger Flight

OWNER: NYSDEC BORING NO: 1P6 WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, New York DATE STARTED: 11/13/86 DATE COMPLETED 11/13/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Location:	93rd Street
Drilling Company:	School
Driller:	R&R International
Drilling Method:	Martin Fuhmann
Sampling Method:	HSA
Samples Examined By:	SS
Reference Point:	J. Ingrassia
Well Construction	Grade
Screen Type:	--
Diam:	Slot No:
Setting (BGL):	--
Setting (Elevation):	--
Riser Elevation:	--
Protector Elevation:	--
Gravel Pack Size:	--
Protector:	--
Static Water Level:	--
Riser Stick-Up (AGL)	--
Protector Stick-Up:	--

Sample Depths	Type Of	6" On Sampler	Moisture Density Or	Strata Change	Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing
From/To Sample	0-6	6-12	12-18	Consist.	Depth
(ft.)					
0-2	SS	2	3	4/4	Moist
2-4	SS	3	4	3/6	Stiff
4-6	SS	3	3	5/6	Moist
6	-	-	-	-	Stiff

REMARKS:

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
(First 18" of SS drive)

DRILLING METHOD

Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

AR= Air Return Trace 0 To 10%
C = Cored Little 10 To 20%
W = Washed Some 20 To 35%
SS= Split Spoon And 35 To 50%
TP= Test Pit

Earth Boring 6'
Rock Coring -
Samples (SS) 3

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

A = Auger Flight

OWNER: NYSDEC BORING NO: 1P8 WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, New York DATE STARTED: 11/11/86 DATE COMPLETED 11/11/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Number of Blows Per 6" On Sampler

Sample Type Of 0-6 6-12 12-18 18-24 Consist. Depth

0-2	SS	2	3	6/6	Moist Med.Den.	8"	Topsoil, till 8"; clay and silt, brown; some gravel, angular; last 3-4" silt, black, organic.
2-4	SS	3	2	2/2	Med Stiff Moist	3'	Poor recovery, clay, gray mottled and sand and gravel, angular, top of spoon 8". High VOA meter reading (methane).
4-6	SS	2	1	1/1	Very Wet Soft	-	Top 3" gray clay w/gravel; rest black silt with angular gravel (fill).
6-8	SS	4	4	6/5	Very Wet Stiff	7'	Silt, blk to 7'; then brn-clay, stiff mottled.
8-10	SS	3	4	5/7	Wet Med. Stiff		Clay mottled, brownish red.

REMARKS: Bottom of boring 10' - Very wet, cold weather.

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

(First 18" of SS drive)

Cohesionless Density Cohesive Consistency DRILLING METHOD

SUMMARY

Earth Boring 10' 0 - 4 Soft HSA=Hollow Stem Auger
Rock Coring - 4 - 8 Med. Stiff Cd = Casing Drive
Samples (SS) 5 8 - 15 Stiff Cs = Casing Spin
Very Dense 15 - 30 Very Stiff Ar = Air Rotary
30+ Hard Rb = Rotary Bit
Cb = Core Barrel

Location: Hole Relocated

Outside of Fence
Drilling Company: R&R International
Driller: Martin Furhmann
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: J. Ingrassia
Reference Point: Grade
Well Construction
Screen Type: --
Diam: Slot No: --
Setting (BGL): --
Setting (Elevation): --
Riser Elevation: --
Protector Elevation: --
Gravel Pack Size: --
Protector: --
Static Water Level: --
Riser Stick-Up (AGL) --
Protector Stick-Up: --

PROPORTIONS USED

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

SAMPLE TYPE

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

OWNER: NYSDEC BORING NO: 1P9 WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, New York DATE STARTED: 11/10/86 DATE COMPLETED 11/10/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Strata Change Condition, Hardness, Seams, Degree of Change Depth Fracturing

Sample Depths	Type Of	Number of Blows per 6" On Sampler	Moisture Density Or	Consist.	Depth	Fracturing
From/To	Sample	0-6	6-12	12-18	Consist.	Depth
(ft.)						
0-2	SS	2	2	5/7	Dry Loose	10"
2-4	SS	3	3	3/2	Med Den. Moist	-
4-6	SS	1	1	1/2	Wet Soft	-
6-8	SS	4	4	6/8	Moist Stiff	7'
8-10	SS	1	4	4/7	Med Den. Moist	-

REMARKS: Bottom of boring 10'.

Location: Behind School Building
Drilling Company: R&R International
Driller: Martin Furhmann
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: J. Ingrassia
Reference Point: Grade (573')
Well Construction
Screen Type: --
Diam: -- Slot No: --
Setting (BGL): --
Setting (Elevation): --
Riser Elevation: --
Protector Elevation: --
Gravel Pack Size: --
Protector: --
Static Water Level: --
Riser Stick-Up (AGL): --
Protector Stick-Up: --

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

(First 18" of SS drive)

SUMMARY

DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

PROPORTIONS USED
Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

Earth Boring 10'
Rock Coring -
Samples (SS) 6

Cohesionless Density Cohesive Consistency
0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: 1P10 WELL NO: --- SHEET 1 OF 1
ADDRESS: Niagara Falls, New York DATE STARTED: 11/13/86 DATE COMPLETED 11/13/86

SOIL IDENTIFICATION

Number of Blows Per 6" On Sampler Moisture Density Strata Sample Type Of Sample Depths From/To Sample 0-6 6-12 12-18 18-24 Consist. Depth Fracturing

Location:	93rd Street	0-2	SS	4	5	5/3	Moist Med Den.	8"	3" Topsoil; 5" clay, tan brn; 8" silt, dk. gray to black (organic, fill).
Drilling Company:	School	2-4	SS	3	3	3/3	Moist Stiff	2'	Clay, dk. gray, and silt, dk. gray (organic, fill).
Driller:	R&R International	4-6	SS	4	4	3/2	Wet Stiff	-	Silt, dk. gray; grading to clay, (organic), dk. gray at 6' (fill).
Drilling Method:	Martin Furhmann	6-8	SS	4	5	4/6	Wet Stiff	6.5'	Silt, dk. gray to blk from 6-6.5', clay tan brn., mottled at 6.5, with root fiber, (native at 6.5).
Sampling Method:	HSA	8-10	SS	2	4	6/8	Moist Stiff	-	Clay, gray, mottled with orange streaks (native).
Samples Examined By:	SS	REMARKS: Bottom of boring 10'.							
Reference Point:	Grade (573')								
Well Construction	---								
Screen Type:	---								
Diam:	Slot No:								
Setting (BGL):	---								
Setting (Elevation):	---								
Riser Elevation:	---								
Protector Elevation:	---								
Gravel Pack Size:	---								
Protector:	---								
Static Water Level:	---								
Riser Stick-Up (AGL)	---								
Protector Stick-Up:	---								

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
(First 18" of SS drive)

Cohesionless Density Cohesive Consistency DRILLING METHOD

SUMMARY

PROPORTIONS USED

AR= Air Return Trace 0 To 10%
C = Cored Little 10 To 20%
W = Washed Some 20 To 35%
SS= Split Spoon And 35 To 50%
TP= Test Pit

Earth Boring 10' 0
Rock Coring 0
Samples (SS) 5

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Sten Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

A = Auger Flight

OWNER: NYSDEC BORING NO: 1P11 WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, New York DATE STARTED: 11/19/86 DATE COMPLETED 11/19/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Sample Depths	Type Of	Number of Blows Per 6" On Sampler	Moisture Density Or	Consist.	Depth	Remarks
From/To Sample	0-6	6-12	12-18	18-24		
(ft.)						
0-2	SS	1	3	4/4	Wet Med	.5' Topsoil, .5'; clay, red brown, mottled with root fibers. (No recovery from 1'-2')
2-4	SS	2	3	4/5	Wet Med Stiff	3.8' Clay, brown with gray and red streaks, last 4" of spoon silt, black, little clay.
4-6	SS	1	1	2/4	Wet Soft	- Silt, black, little clay.
6-8	SS	1	2	1/2	Wet Soft	6' Silt, gray and clay with orange mottling and roots.
8-10	SS	1	3	5/5	Wet Stiff	- Silt, gray and clay, mottled, with twigs and roots. Strat. Verif. only. Sample not collected from SS.
REMARKS: Bottom of boring 10'.						

Location: In Very Soggy Area
Drilling Company: R&R International
Driller: Martin Furhmann
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: J. Ingrassia
Reference Point: Grade (572')
Well Construction
Screen Type: --
Diam: Slot No: --
Setting (BGL): --
Setting (Elevation): --
Riser Elevation: --
Protector Elevation: --
Gravel Pack Size: --
Protector: --
Static Water Level: --
Riser Stick-Up (AGL) --
Protector Stick-Up: --

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
(First 18" of SS drive)

DRILLING METHOD

Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

SAMPLE TYPE

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

Earth Boring 10'
Rock Coring -
Samples (SS) 5

0 - 4 Soft
10 - 30 Med. Stiff
30 - 50 Very Stiff
50+ Hard

HSA=Hollow Stan Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: 1P13 WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, New York DATE STARTED: 11/14/86 DATE COMPLETED 11/14/86

Number of Blows Per 6" On Sampler
Sample Type Of
Sample Depths
From/To Sample 0-6 6-12 12-18 18-24
(ft.)

Location:	93rd Street
Drilling Company:	School
Driller:	R&R International.
Drilling Method:	Martin Furhmann
Sampling Method:	HSA
Samples Examined By:	SS
Reference Point:	W. Thomas
Well Construction	Grade
Screen Type:	--
Diam:	--
Setting (BGL):	--
Setting (Elevation):	--
Riser Elevation:	--
Protector Elevation:	--
Gravel Pack Size:	--
Protector:	--
Static Water Level:	--
Riser Stick-Up (AGL):	--
Protector Stick-Up:	--

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

0-2	SS	2	3	4/5	Moist Stiff	4"	4" Topsoil; then clay, gray, mottled with orange streaks (native material).
2-4	SS	3	4	3/3	Stiff Moist	-	Clay, tan brown to gray, mottled with orange streaks (native material).
4-6	SS	2	3	4/6	Stiff	-	Clay, tan brown, mottled with dark gray and orange streaks (native).
6	-	-	-	-	-	-	Bottom of boring.

REMARKS: Samples collected due to location of station (in former drainage swale).

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
(First 18" of SS drive)

SUMMARY		COHESIONLESS DENSITY		CONSISTENCY		DRILLING METHOD	
Earth Boring	6'	0 - 10	Loose	0 - 4	Soft	HSA	Hollow Stem Auger
Rock Coring	0	10 - 30	Med. Dense	4 - 8	Med. Stiff	Cd	Casing Drive
Samples (SS)	3	30 - 50	Dense	8 - 15	Stiff	Cs	Casing Spin
		50+	Very Dense	15 - 30	Very Stiff	Ar	Air Rotary
				30+	Hard	Rb	Rotary Bit
						Cb	Core Barrel

SAMPLE TYPE		PROPORTIONS USED	
AR= Air Return	Trace	0 To 10%	
C = Cored	Little	10 To 20%	
W = Washed	Some	20 To 35%	
SS= Split Spoon	And	35 To 50%	
TP= Test Pit			
A = Auger Flight			

OWNER: NYSDEC BORING NO: IP15 WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, New York DATE STARTED: 11/12/86 DATE COMPLETED 11/12/86

Number of
Blows Per
6" On Sampler
Type Of
Sample Depths
From/To Sample
0-6 6-12 12-18
Consist. Depth
Fracturing
(ft.)

0-2	SS	1	4	3/3	Moist Med Stiff	10"	Topsoil; then clay brn; trace v. fine sand. Large wood chunk in tip, covered with silt, black, no recovery from 1'-2'.
2-4	SS	2/ 1.5"	1		Very Wet Soft		Silt, black; trace coarse gravel, sub-angular, gas pockets.
4-6	SS	2	2	5/ WOR	Very Wet Stiff	5'	1' Silt, black; over clay, gray and very mottled with red pockets, VCS, size mottling, little fibers.
6-8	SS	2	4	5/7	Moist Stiff	6.5'	Top 6" silt, black, clay, gray and red streaks, homogeneous.
8-10	SS	4	8	8/10	V. Stiff		Clay, gray and brown, homogeneous.
REMARKS: End of boring 10'. WOR = Weight of rod.							

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
(First 18" of SS drive)
Cohesionless Density Cohesive Consistency DRILLING METHOD

SAMPLE TYPE		PROPORTIONS USED		SUMMARY		140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER	
AR= Air Return	Trace	0 To 10%	Earth Boring	10'	0 - 10 Loose	0 - 4 Soft	HSA=Hollow Stem Auger
C = Cored	Little	10 To 20%	Rock Coring	-	10 - 30 Med. Dense	4 - 8 Med. Stiff	Cd = Casing Drive
W = Washed	Some	20 To 35%	Samples (SS)	5	30 - 50 Dense	8 - 15 Stiff	Cs = Casing Spin
SS= Split Spoon	And	35 To 50%			50+ Very Dense	15 - 30 Very Stiff	Ar = Air Rotary
TP= Test Pit						30+ Hard	Rb = Rotary Bit
A = Auger Flight							Cb = Core Barrel

SOIL IDENTIFICATION

Sample Depths	Type Of	6" On Sampler	Moisture Density Or	Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample	0-6	6-12	12-18	Consist. Depth

0 - 10	Loose	0 - 4	Soft	HSA=Hollow Stem Auger
10 - 30	Med. Dense	4 - 8	Med. Stiff	Cd = Casing Drive
30 - 50	Dense	8 - 15	Stiff	Cs = Casing Spin
50+	Very Dense	15 - 30	Very Stiff	Ar = Air Rotary
		30+	Hard	Rb = Rotary Bit
				Cb = Core Barrel

OWNER: NYSDEC BORING NO: 1P16 WELL NO: - SHEET 2 OF 2
 ADDRESS: Niagara Falls, New York DATE STARTED: 11/11/86 DATE COMPLETED 11/11/86

SOIL IDENTIFICATION

Number of Blows Per 6" On Sampler
 Sample Type Of
 Depths Of
 From/To Sample
 0-6 6-12 12-18 18-24
 (ft.)

Moisture Density Or Consist. Depth Fracturing
 Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of

Location: 93rd Street
School
 Drilling Company: R&R International
 Driller: Martin Furhmann
 Drilling Method: HSA
 Sampling Method: SS
 Samples Examined By: J. Ingrassia
 Reference Point: Grade (572')
 Well Construction
 Screen Type: --
 Diam: -- Slot No: --
 Setting (BGL): --
 Setting (Elevation): --
 Riser Elevation: --
 Protector Elevation: --
 Gravel Pack Size: --
 Protector: --
 Static Water Level: --
 Riser Stick-Up (AGL) --
 Protector Stick-Up: --

6-8	SS	5	7	9/12	Moist Dense	7.5'	Clay, gray, brown and red mottling, last 6" red, very fine sand to silt.
8-10	SS	4	8	12/16	Dry Hard	-	(Not collected from SS), clay, red, homogeneous. (For Strat. ID only)
10	-	-	-	-	-	-	Bottom of boring.

REMARKS: Very cold and wet weather.

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
 (First 18" of SS drive)

SUMMARY Cohesionless Density Cohesive Consistency DRILLING METHOD

SAMPLE TYPE PROPORTIONS USED

AR= Air Return Trace 0 To 10%
 C = Cored Little 10 To 20%
 W = Washed Some 20 To 35%
 SS= Split Spoon And 35 To 50%
 TP= Test Pit
 A = Auger Flight

Earth Boring 10'
 Rock Coring -
 Samples (SS) 6

0 - 10 Loose
 10 - 30 Med. Dense
 30 - 50 Dense
 50+ Very Dense

0 - 4 Soft
 4 - 8 Med. Stiff
 8 - 15 Stiff
 15 - 30 Very Stiff
 30+ Hard

HSA=Hollow Stem Auger
 Cd = Casing Drive
 Cs = Casing Spin
 Ar = Air Rotary
 Rb = Rotary Bit
 Cb = Core Barrel

OWNER: NYSDEC BORING NO: 1P17 WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, New York DATE STARTED: 11/12/86 DATE COMPLETED 11/12/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Number of Blows Per 6" On Sampler Moisture Density Or Consist. Depth Fracturing

Location:	S. Between H.A.	0-2	SS	2	3	4/7	Moist Loose	Clay, tan, brown, (native).
Drilling Company:	Prop. & School.	2-4	SS	4	4	6/8	Moist Med Den.	Clay, tan, brown, mottled with orange streaks (native).
Driller:	R&R International	4-6	SS	4	6	10/7	Med Den. Moist	Clay, gray, mottled with red/brown streaks (native).
Drilling Method:	Martin Furhmann	6	-	-	-	-	-	Bottom of boring.
Sampling Method:	HSA							
Samples Examined By:	SS							
Reference Point:	W. Thomas							
Well Construction	Grade (571')							
Screen Type:	---							
Diam:	Slot No:							
Setting (BGL):	---							
Setting (Elevation):	---							
Riser Elevation:	---							
Protector Elevation:	---							
Gravel Pack Size:	---							
Protector:	---							
Static Water Level:	---							
Riser Stick-Up (AGL)	---							
Protector Stick-Up:	---							

REMARKS:

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

(First 18" of SS drive)

DRILLING METHOD

Cohesionless Density Consistency

SUMMARY

PROPORTIONS USED

SAMPLE TYPE

AR= Air Return Trace 0 To 10% C = Cored Little 10 To 20% W = Washed Some 20 To 35% SS= Split Spoon And 35 To 50% TP= Test Pit A = Auger Flight

Earth Boring 6' Rock Coring 0 Samples (SS) 3

0 - 10 Loose 0 - 4 Soft 10 - 30 Med. Dense 4 - 8 Med. Stiff 30 - 50 Dense 8 - 15 Stiff 50+ Very Dense 15 - 30 Very Stiff 30+ Hard

HSA=Hollow Stan Auger Cd = Casing Drive Cs = Casing Spin Ar = Air Rotary Rb = Rotary Bit Cb = Core Barrel

SECOND ROUND
BORING LOGS
(PHASE I)

OWNER: NYSDEC BORING NO: 2P-103WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/23/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Location:	North West Front of School	Number of Blows Per 6" On Sampler	Moisture Density Or Consist.	Depth	Fracturing
Drilling Company:	R&R International	Sample Type Of	Sample Depths	From/To Sample (ft.)	
Driller:	Ed Pucci	GRAB	-	0-0.5'	Grass, Topsoil: Sand, Very Fine, Brown and Silt; Over: Silt, Black, Organic (Fill) at 0.4'.
Drilling Method:	HSA				
Sampling Method:	SS				
Samples Examined By:	J. Ingrassia				
Reference Point:	Grade				
Well Construction					
Screen Type:	-				
Diam: - Slot No:	-				
Setting (BGL):					
Setting (Elevation):					
Riser Elevation:					
Protector Elevation:					
Gravel Pack Size:					
Protector:					
Static Water Level:					
Riser Stick-Up (AGL)					
Protector Stick-Up:					
REMARKS: * Marked as No Fill - Not Analyzed in Lab.					

SAMPLE TYPE	PROPORTIONS USED	SUMMARY	140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER	COHESIONLESS DENSITY	COHESIVE CONSISTENCY	DRILLING METHOD
-------------	------------------	---------	---	----------------------	----------------------	-----------------

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

Earth Boring 4.5'
Rock Coring -
Samples 3

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC

BORING NO: 2P-104WELL NO: -

SHEET 1 OF 1

ADDRESS: Niagara Falls, NY

DATE STARTED: 06/23/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Depths	Type Of	6" On Sampler	Number of Blows Per		Moisture Density	Strata Change	Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing
			0-6	6-12			
From/To Sample (ft.)	0-6	6-12	12-18	18-24	Consist.	Depth	

Location:	North West Front of School	0'-0.5'	GRAB	-	-	SL. Moist	Grass, Topsoil: Sand, Very Fine, Dark Brown and Silt.
Drilling Company:	R&R International	0.5'-2.5'	SS	7	10	Very Stiff Dry	Sand, Very Fine, Brownish Red, and Silt; Little Gravel, Angular, Coarse; Trace Roots.
Driller:	Ed Pucci	2.5'-4.5'	SS	10	8	V. Stiff Dry	Silt, Brownish Red to Tan; Some Clay, Large Wood Chip, Black Silt.
Drilling Method:	HSA	*4.5'-6.5'	SS	6	4	Stiff Dry	Silt, Brownish Red, and Clay, (1") Layer Silty Clay, Black Over: Silt, Dark Brown and Clay.
Sampling Method:	SS	6.5'-8.5'	SS	4	5	Stiff Wet	Silt, Grayish Brown, and Clay, Full Recovery. NOT COLLECTED, STRATA VERIFICATION ONLY.
Samples Examined By:	J. Ingrassia						
Reference Point:	-						
Well Construction	-						
Screen Type:	-						
Diam: - Slot No:	-						
Setting (BGL):							
Setting (Elevation):							
Riser Elevation:							
Protector Elevation:							
Gravel Pack Size:							
Protector:							
Static Water Level:							
Riser Stick-Up (AGL)							
Protector Stick-Up:							

REMARKS: * Marked as No Fill, Not Analyzed in Lab, Water Level 7' BGL. EHO @ 8.5'

SAMPLE TYPE	PROPORTIONS USED	SUMMARY		140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER		DRILLING METHOD
		Cohesionless	Density	Cohesive	Consistency	
AR= Air Return	Trace	Earth Boring	8.5'	0 - 4	Soft	HSA=Hollow Stem Auger
C = Cored	Little	Rock Coring	-	10 - 30	Med. Dense	Cd = Casing Drive
W = Washed	Some	20 To 35%	5	30 - 50	Dense	Cs = Casing Spin
SS= Split Spoon	And	35 To 50%		50+	Very Dense	Ar = Air Rotary
TP= Test Pit					Hard	Rb = Rotary Bit
A = Auger Flight						Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-108WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/23/87 DATE COMPLETED Same

Number of Blows Per 6" On Sampler Moisture Density Or Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 Consist. Depth
(ft.) /18-24

Location:	North West Front of School	Topsoil: Sand, Very Fine and Silt with Root Matter.
Drilling Company:	R&R International	Top 4" of Spoon: Silt, Dark Brown; Trace Black Silt; Over: Clay, Reddish Brown, and Silt; Some Mottling.
Driller:	Ed Pucci	Silty Clay, Reddish Brown; Changed to Gray at 3'.
Drilling Method:	HSA	EOH @ 4.5'
Sampling Method:	SS	
Samples Examined By:	J. Ingrassia	
Reference Point:	Grade	
Well Construction		
Screen Type:	-	
Diam: - Slot No:	-	
Setting (BGL):		
Setting (Elevation):		
Riser Elevation:		
Protector Elevation:		
Gravel Pack Size:		
Protector:		
Static Water Level:		
Riser Stick-Up (AGL)		
Protector Stick-Up:		

REMARKS: * Marked as No Fill - Not Analyzed in Lab.

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency DRILLING METHOD

AR= Air Return Trace 0 To 10%
C = Cored Little 10 To 20%
W = Washed Some 20 To 35%
SS= Split Spoon And 35 To 50%
TP= Test Pit
A = Auger Flight

Earth Boring 4.5'
Rock Coring -
Samples 3
0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense
0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard
HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC

ADDRESS: Niagara Falls, NY

BORING NO: 2P-109WELL NO: -

SHEET 1 OF 1

DATE STARTED: 06-23-87 DATE COMPLETED Same

SOIL IDENTIFICATION

Number of

Blows Per

6" On Sampler

Type

Of

Sample

Depths

From/To Sample

0-6

6-12

12-18

Consist.

Depth

Fracturing

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of

18-24

Location: North West Front

of School

Drilling Company: R&R International

Driller: Ed Pucci

Drilling Method: HSA

Sampling Method: SS

Samples Examined By: J. Ingrassia

Reference Point: Grade

Well Construction

Screen Type: -

Diam: - Slot No: -

Setting (BGL):

Setting (Elevation):

Riser Elevation:

Protector Elevation:

Gravel Pack Size:

Protector:

Static Water Level:

Riser Stick-Up (AGL)

Protector Stick-Up:

SAMPLE TYPE

PROPORTIONS USED

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon

TP= Test Pit

A = Auger Flight

SUMMARY

Earth Boring 4.5'
Rock Coring -
Samples 3

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense
30+ Hard

DRILLING METHOD

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

REMARKS: * Marked as No Fill - Not Analyzed in Lab.

OWNER: NYSDEC BORING NO: 2P-114WELL NO: - SHEET 1 OF 1
 ADDRESS: Niagara Falls, NY DATE STARTED: 06/23/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Location:	North East Back of School	Sample Type	6" On Sampler	Moisture Density	Strata Change	Depth	Consist.	From/To Sample (ft.)	Remarks
Drilling Company:	R&R International	0' - 0.5'	GRAB	-	-	0.16'	Moist	0.16'	Topsoil Silt, Dark Brown with Root Matter; Then Silty Clay, Light Brown, Trace Root Matter in Bottom 4" of Spoon.
Driller:	Ed Pucci	0.5' - 2.5'	SS	2	3/1	1'	Loose Wet	1'	Silty Clay, Light Brown; Trace Root Matter; Then Silt, Black, Organic at 1' (Fill).
Drilling Method:	HSA	2.5' - 3.5'	SS	50/	-		Very Dense		Sand, Very Fine, and Silt, Dark Brown-ish-Black (Fill); Some Gravel, Very Fine to Medium, Angular, Spoon Refusal
Sampling Method:	SS	3.5' - 4.5'	A	-	-		Refusal		Auger Refusal on Pipe? Moved Hole 4' SE.
Samples Examined By:	J. Ingrassia	REMARKS: Relocated Boring, 114A, Auger to 4.5'.							
Reference Point:	Grade								
Well Construction									
Screen Type:	-								
Diam: - Slot No:	-								
Setting (BGL):									
Setting (Elevation):									
Riser Elevation:									
Protector Elevation:									
Gravel Pack Size:									
Protector:									
Static Water Level:									
Riser Stick-Up (AGL)									
Protector Stick-Up:									

DRILLING METHOD

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
 Cohesionless Density Consistency

SUMMARY

PROPORTIONS USED

AR= Air Return
 C = Cored
 W = Washed
 SS= Split Spoon
 TP= Test Pit
 A = Auger Flight

Earth Boring 4.5'
 Rock Coring -
 Samples 3

0 - 10 Loose
 10 - 30 Med. Dense
 30 - 50 Dense
 50+ Very Dense

0 - 4 Soft
 4 - 8 Med. Stiff
 8 - 15 Stiff
 15 - 30 Very Stiff
 30+ Hard

HSA=Hollow Stem Auger
 Cd = Casing Drive
 Cs = Casing Spin
 Ar = Air Rotary
 Rb = Rotary Bit
 Cb = Core Barrel

OWNER: NYSDEC

ADDRESS: Niagara Falls, NY

BORING NO: 2P-114AWELL NO: -

SHEET 1 OF 1

DATE STARTED: 06/23/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of

Moisture Density Or Consist. Depth Fracturing

Number of Blows Per 6" On Sampler

Sample Type Of

From/To Sample 0-6 6-12 12-18 18-24

Approx. 4' SE of Boring 2P-114

Drilling Company: R&R International

Driller: Ed Pucci

Drilling Method: HSA

Sampling Method: SS

Samples Examined By: J. Ingrassia

Reference Point: Grade

Well Construction

Screen Type: -

Diam: - Slot No: -

Setting (BGL):

Setting (Elevation):

Riser Elevation:

Protector Elevation:

Gravel Pack Size:

Protector:

Static Water Level:

Riser Stick-Up (AGL)

Protector Stick-Up:

No Sample.

Sand, Very Fine, Dark to Light Brown, and Silt, Dark to Light Brown; Trace Clay; Trace Root Matter; Last 5" of Spoon: Brick Fragments and Gray, Medium to Fine Sand (Fill).

Silty Clay, Brownish Gray Grading to Gray.

EOH @ 8.5'

REMARKS: * Marked as No Fill - Not Analyzed in Lab.

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

SAMPLE TYPE

AR= Air Return

C = Cored

W = Washed

SS= Split Spoon

TP= Test Pit

A = Auger Flight

Trace 0 To 10%

Little 10 To 20%

Some 20 To 35%

And 35 To 50%

Earth Boring 8.5'

Rock Coring

Samples

0 - 10 Loose

10 - 30 Med. Dense

30 - 50 Dense

50+ Very Dense

0 - 4 Soft

4 - 8 Med. Stiff

8 - 15 Stiff

15 - 30 Very Stiff

30+ Hard

HSA=Hollow Stem Auger

Cd = Casing Drive

Cs = Casing Spin

Ar = Air Rotary

Rb = Rotary Bit

Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-115WELL NO: - SHEET 1 OF 2
ADDRESS: Niagara Falls, NY DATE STARTED: 06/23/87 DATE COMPLETED Same

SOIL IDENTIFICATION
Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Sample Depths	Type	6" On Sampler	Moisture Density	Consist.	Depth	Fracturing
From/To	Sample	0-6	6-12	12-18	18-24	
0'-0.5'	GRAB	-	-		0.4'	Topsoil: Silt, Dark Brown; Little Clay, Trace Root Matter; Over Silty Clay, Light Brown.
0.5'-2.5'	SS	2	3/3	Med. Stiff Dry		Poor Recovery, Silt, Light Brown; Little Clay; Trace Root Matter; Last 4" of Spoon: Silt, Brown and Black, Mottling.
2.5'-4.5'	SS	3	1 2/2	-		No Recovery.
4.5'-6.5'	SS	WOH	WOH	WOH/1	6'	Silt, Black, Organic (Fill); Tip of Spoon: Clay, Rusty Brown with Gray Mottling; Some Silt.

REMARKS: 140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

SAMPLE TYPE	PROPORTIONS USED	SUMMARY	Cohesionless Density	Consistency	DRILLING METHOD
AR= Air Return	Trace	Earth Boring	0 - 10	Loose	HSA=Hollow Stem Auger
C = Cored	Little	Rock Coring	10 - 30	Med. Dense	Cd = Casing Drive
W = Washed	Some	20 To 35%	30 - 50	Dense	Cs = Casing Spin
SS= Split Spoon	And	35 To 50%	50+	Very Dense	Ar = Air Rotary
TP= Test Pit				Hard	Rb = Rotary Bit
A = Auger Flight					Cb = Core Barrel

OWNER: NYSDEC

BORING NO: 2P-115WELL NO: - SHEET 2 OF 2
 DATE STARTED: 06/23/87 DATE COMPLETED Same

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of

Moisture

On Sampler

Sample	Type	Of
--------	------	----

Sample	From/To (ft.)	0-6	6-12	12-18	18-24	Depth	Fracturing
1	0-6						
2	0-6						
3	0-6						
4	0-6						
5	0-6						
6	0-6						
7	0-6						
8	0-6						
9	0-6						
10	0-6						
11	0-6						
12	0-6						
13	0-6						
14	0-6						
15	0-6						
16	0-6						
17	0-6						
18	0-6						
19	0-6						
20	0-6						
21	0-6						
22	0-6						
23	0-6						
24	0-6						
25	0-6						
26	0-6						
27	0-6						
28	0-6						
29	0-6						
30	0-6						
31	0-6						
32	0-6						
33	0-6						
34	0-6						
35	0-6						
36	0-6						
37	0-6						
38	0-6						
39	0-6						
40	0-6						
41	0-6						
42	0-6						
43	0-6						
44	0-6						
45	0-6						
46	0-6						
47	0-6						
48	0-6						
49	0-6						
50	0-6						
51	0-6						
52	0-6						
53	0-6						
54	0-6						
55	0-6						
56	0-6						
57	0-6						
58	0-6						
59	0-6						
60	0-6						
61	0-6						
62	0-6						
63	0-6						
64	0-6						
65	0-6						
66	0-6						
67	0-6						
68	0-6						
69	0-6						
70	0-6						
71	0-6						
72	0-6						
73	0-6						
74	0-6						
75</							

Location: North East Back

of School

Drilling Company: R&R International

Driller: Ed Pucci

Drilling Method: HSA

DETECTING	INFORMED:
SAMPLEING	METHOD:
SS	SS

Sampling method:

Samples Examined By: J. Ingrassia

Reference Point: _____
Grade _____

Well Construction

Screen Type: _____

Diam:	-	Slot No:	-
-------	---	----------	---

Setting (BGL):

Setting (Elevation):

Riser Elevation:

PROTECTOR EVALUATION:

PROJECT LOCATION: _____
 Canal Deck Size: _____

GLAVER PACK SIZE:

Protector:

Static Water Level: _____

Riser Stick-Up (AGL)

Protector Stick-Up:

CALENDAR YEAR	PROPORTIONS USED
1960	100%
1961	100%
1962	100%
1963	100%
1964	100%
1965	100%
1966	100%
1967	100%
1968	100%
1969	100%
1970	100%
1971	100%
1972	100%
1973	100%
1974	100%
1975	100%
1976	100%
1977	100%
1978	100%
1979	100%
1980	100%
1981	100%
1982	100%
1983	100%
1984	100%
1985	100%
1986	100%
1987	100%
1988	100%
1989	100%
1990	100%
1991	100%
1992	100%
1993	100%
1994	100%
1995	100%
1996	100%
1997	100%
1998	100%
1999	100%
2000	100%
2001	100%
2002	100%
2003	100%
2004	100%
2005	100%
2006	100%
2007	100%
2008	100%
2009	100%
2010	100%
2011	100%
2012	100%
2013	100%
2014	100%
2015	100%
2016	100%
2017	100%
2018	100%
2019	100%
2020	100%
2021	100%
2022	100%
2023	100%
2024	100%
2025	100%
2026	100%
2027	100%
2028	100%
2029	100%
2030	100%
2031	100%
2032	100%
2033	100%
2034	100%
2035	100%
2036	100%
2037	100%
2038	100%
2039	100%
2040	100%
2041	100%
2042	100%
2043	100%
2044	100%
2045	100%
2046	100%
2047	100%
2048	100%
2049	100%
2050	100%
2051	100%
2052	100%
2053	100%
2054	100%
2055	100%
2056	100%
2057	100%
2058	100%
2059	100%
2060	100%
2061	100%
2062	100%
2063	100%
2064	100%
2065	100%
2066	100%
2067	100%
2068	100%
2069	100%
2070	100%
2071	100%
2072	100%
2073	100%
2074	100%
2075	100%
2076	100%
2077	100%
2078	100%
2079	100%
2080	100%
2081	100%
2082	100%
2083	100%
2084	100%
2085	100%
2086	100%
2087	100%
2088	100%
2089	100%
2090	100%
2091	100%
2092	100%
2093	100%
2094	100%
2095	100%
2096	100%
2097	100%
2098	100%
2099	100%
2100	100%

SAMPLE TYPE	PROPORTIONS USED
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
36	1
37	1
38	1
39	1
40	1
41	1
42	1
43	1
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
52	1
53	1
54	1
55	1
56	1
57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
73	1
74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

AR= Air Return Trace 0 To 10%

C = Cored
Little 10 To 20%

W = Washed Some 20 To 35%

SS= Split Spoon And 35 To 50%

TP= Test Pit

A = Auger Flight

DRILLING METHOD

1

A=Hollow Stem Au

= Casing Drive

== Casing Spin

- All Rotary
- Rotary Bit

- Locally DTC

Core barrel

OWNER: NYSDEC **BORING NO:** 2P-119WELL NO: - **SHEET** 1 OF 1
ADDRESS: Niagara Falls, NY **DATE STARTED:** 06/24/87 **DATE COMPLETED:** Same

SOIL IDENTIFICATION
 Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
 Sample Type 6" On Sampler Moisture Density Or
 Depths Of Sample 0-6 6-12 12-18 Consist. Depth
 From/To Sample 0-6 6-12 12-18 Consist. Depth Fracturing
 (ft.) /18-24

0'-0.5'	GRAB	-	-	Slightly Moist	0.4'	Grass, Topsoil: Silt; Some Very Fine Sand; Some Gravel, Coarse Angular; Trace Root Matter; Silt, Light Brown at 0.4'.
0.5'-2.5'	SS	3	2	5/7	Approx 1'	Silt, Light Brown, Top 5" of Spoon; Over: Silt, Black, Organic (Fill).
2.5'-4.5'	SS	5	4	4/6		Silt, Black, Organic (Fill).
*4.5'-6.5'	SS	3	2	1/3	5'	Silt, Brown Grading to Gray; Some Clay; Trace Root Matter.
						EOH @ 6.5'

REMARKS: * Marked as No Fill, Not Analyzed in Lab.

Location: North East Back of School
 Drilling Company: R&R International
 Driller: Ed Pucci
 Drilling Method: HSA
 Sampling Method: SS
 Samples Examined By: J. Ingrassia
 Reference Point: Grade
 Well Construction
 Screen Type: -
 Diam: - Slot No: -
 Setting (BGL):
 Setting (Elevation):
 Riser Elevation:
 Protector Elevation:
 Gravel Pack Size:
 Protector:
 Static Water Level:
 Riser Stick-Up (AGL)
 Protector Stick-Up:

SAMPLE TYPE	PROPORTIONS USED	SUMMARY	140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER	DRILLING METHOD
AR= Air Return	Trace 0 To 10%	Earth Boring 6.5'	0 - 4 Soft	HSA=Hollow Stem Auger
C = Cored	Little 10 To 20%	Rock Coring -	4 - 8 Med. Stiff	Cd = Casing Drive
W = Washed	Some 20 To 35%	Samples 4	8 - 15 Stiff	Cs = Casing Spin
SS= Split Spoon	And 35 To 50%		15 - 30 Very Stiff	Ar = Air Rotary
TP= Test Pit			30+ Hard	Rb = Rotary Bit
A = Auger Flight				Cb = Core Barrel

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of

Sample Depths	Type Of Sample	Number of Blows Per		Moisture Density Or Consist.	Remarks In- Color, Grac- Condition, Fracturing
		6" On Sampler	12-18 18-24		
From/To (ft)	0-6	6-12	12-18 18-24		

Location: North East Back

of School

Drilling Company: R&R International

Driller:
Ed Pucci

Drilling Method: HSA

Sampling Method: SS

Samples Examined By: J. Ingrassia

Reference Point: Grade

Well Construction

Screen Type:

Diam:	-	Slot No:	-
-------	---	----------	---

Setting (BGL):

Setting (Elevation):

Riser Elevation:

Protector Elevation:

Gravel Pack Size:

Protector:

Static Water Level:

Riser Stick-Up (AGL)

protector Stick-Up:

<u>SAMPLE TYPE</u>	<u>PROPORTIONS USED</u>
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
36	1
37	1
38	1
39	1
40	1
41	1
42	1
43	1
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
52	1
53	1
54	1
55	1
56	1
57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
73	1
74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

AD- Airs	Bottom	Trace	0 To 10%
-------------	--------	-------	----------

C = Cored
Little 10 To 20%

W = Washed Some 20 To 35%

SS= Split Spoon And 35 To 50%

Test Pit

A - August Flight

10-24

0'-0.5'	GRAB	-	-	-	Dry	0.4'	Grass, Topsoil: Sand, Very Fine, and Silt; Root Matter; Over: Silt, Light Tan with Brownish Mottling.
0.5'-2.5'	SS	7	14	14/10	Med. Dense Dry		Silt, Tan to Reddish Brown, and Gravel, Very Fine, Subrounded; Trace Root Matter.
2.5'-4.5'	SS	3	2	1/2	Med. Soft		No Recovery: Reentered Bore Hole without using Basket Retainer.
2.5'-4.5'	SS/G	-	-	-	Moist	3.5'	Silt, Brown and Black (Fill?); Some Gravel, Medium Angular; Trace Root Matter; Clay, Gray in Tip of Spoon.

REMARKS: SS/G: Indicates Split Spoon Returned to Depth without a Basket Retainer to Obtain Sample.

REMARKS: SS/G: Indicates Split Spoon Returned to Depth without a Basket Retainer to Obtain Sample.

140 I.B. WT. x 30" FAIL ON 2" O.D. SAMPLER

DRILLING METHOD

Flow ID: 400	Density	Cohesive Consistency

SUMMARY

PROPORTIONS USED

CAIMDI F. TEKDE

Earth Boring	9.0'	0 - 10	Loose	0 - 4	Soft	HSA=Hollow Stem Auger
Rock Coring	-	10 - 30	Med. Dense	4 - 8	Med. Stiff	Cd = Casing Drive
Samples	<u>7</u>	30 - 50	Dense	8 - 15	Stiff	Cs = Casing Spin
		50+	Very Dense	15 - 30	Very Stiff	Ar = Air Rotary
				30+	Hard	Rb = Rotary Bit

Cb = Core Barrel

**

OWNER: NYSDEC BORING NO: 2P-122WELL NO: - SHEET 1 OF 1
 ADDRESS: Niagara Falls, NY DATE STARTED: 06/25/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Sample Depths	Type Of	Number of Blows Per 6" On Sampler	Moisture Density	Strata Change	Depth	Consist.
From/To	Sample	0-6	6-12	12-18	18-24	
(ft.)						
0'-0.5'	GRAB	-	-	-	Moist	0.5'
0.5'-2.5'	SS	7	9	9/15	Med. Dense Moist	2.5'
2.5'-4.5'	SS	2	3	4/7	Stiff Moist	
REMARKS:						

Location: South East Back of School

Drilling Company: R&R International

Driller: Ed Pucci

Drilling Method: HSA

Sampling Method: SS

Samples Examined By: J. Ingrassia

Reference Point: Grade

Well Construction

Screen Type: -

Diam: - Slot No: -

Setting (BGL):

Setting (Elevation):

Riser Elevation:

Protector Elevation:

Gravel Pack Size:

Protector:

Static Water Level:

Riser Stick-Up (AGL)

Protector Stick-Up:

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

Earth Boring 4.5'

Rock Coring -

Samples 3

Trace 0 To 10%

Little 10 To 20%

Some 20 To 35%

And 35 To 50%

AR= Air Return

C = Cored

W = Washed

SS= Split Spoon

TP= Test pit

A = Auger Flight

0 - 4 Soft

4 - 8 Med. Stiff

8 - 15 Stiff

15 - 30 Very Stiff

30+ Hard

HSA=Hollow Stem Auger

Cd = Casing Drive

Cs = Casing Spin

Ar = Air Rotary

Rb = Rotary Bit

Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-127WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/25/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Number of Blows Per 6" On Sampler
Sample Type 6" On Sampler Moisture Density Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 18-24
(ft.)

Location:	South Side of School	0'-0.5'	GRAB	-	-	-	Moist	Grass, Topsoil: Silt and Clay, Dark Brown, Compact.
Drilling Company:	R&R International	*0.5'-2.5'	SS	4	6	10/15	Very Stiff Dry	Clay, Reddish Brown; Some Silt, Light Brown, Mottling at End of Spoon, Fair Recovery.
Driller:	Ed Pucci	2.5'-4.5'	SS	7	6	6/12	Very Stiff Dry	Clay, Brown; Some Silt; Silty Clay, Light Brown at 3.5'; NOT COLLECTED STRATA VERIFICATION ONLY.
Drilling Method:	HSA							
Sampling Method:	SS							
Samples Examined By:	J. Ingrassia							
Reference Point:	Grade							
Well Construction								
Screen Type:	-							
Diam: - Slot No:	-							
Setting (BGL):								
Setting (Elevation):								
Riser Elevation:								
Protector Elevation:								
Gravel Pack Size:								
Protector:								
Static Water Level:								
Riser Stick-Up (AGL)								
Protector Stick-Up:								
REMARKS: * Sample Marked No Fill, No Lab Analysis.								

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

SAMPLE TYPE

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight
Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%
Earth Boring 4.5'
Rock Coring -
Samples 3
0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense
0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard
HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-128WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/25/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of

From/To Sample 0-6 6-12 12-18 Consist. Depth Fracturing

(ft.) /18-24

Location:	South East Back of School	Number of Blows Per 6" On Sampler	Moisture Density Or	Strata Change	Soil Type	Grain Size
Drilling Company:	R&R International					
Driller:	Ed Pucci					
Drilling Method:	HSA					
Sampling Method:	SS					
Samples Examined By:	J. Ingrassia					
Reference Point:	Grade					
Well Construction						
Screen Type:	-					
Diam:	-					
Setting (BGL):						
Setting (Elevation):						
Riser Elevation:						
Protector Elevation:						
Gravel Pack Size:						
Protector:						
Static Water Level:						
Riser Stick-Up (AGL)						
Protector Stick-Up:						

REMARKS: * Marked as No Fill, Not Analyzed in Lab.

SAMPLE TYPE	PROPORTIONS USED	SUMMARY	140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER	DRILLING METHOD
AR= Air Return	Trace	Earth Boring 6.5'	0 - 10 Loose	HSA=Hollow Stem Auger
C = Cored	Little	Rock Coring -	10 - 30 Med. Dense	Cd = Casing Drive
W = Washed	Some	Samples 4	30 - 50 Dense	CS = Casing Spin
SS= Split Spoon	And		50+ Very Dense	Ar = Air Rotary
TP= Test Pit			30+ Hard	Rb = Rotary Bit
A = Auger Flight				Cb = Core Barrel

OWNER: NYSDEC

BORING NO: 2P-129AWELL NO: -

SHEET 1 OF 1

ADDRESS: Niagara Falls, NY

DATE STARTED: 06/25/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Location:	South Side of School	Number of Blows Per 6" On Sampler	Moisture Density Or	Strata Change	Depth	Consist.	From/To Sample	0-6	6-12	12-18	18-24
Drilling Company:	R&R International	0-2.5'									
Driller:	Ed Pucci	A	-	-	-	-	-	-	-	-	-
Drilling Method:	HSA										
Sampling Method:	SS										
Samples Examined By:	J. Ingrassia	2.5'-3.5'									
Reference Point:	Grade	SS	-	-	-	-	-	-	-	-	-
Well Construction											
Screen Type:	-										
Diam: - Slot No:	-										
Setting (BGL):											
Setting (Elevation):											
Riser Elevation:											
Protector Elevation:											
Gravel Pack Size:											
Protector:											
Static Water Level:											
Riser Stick-Up (AGL)											
Protector Stick-Up:											
REMARKS:											

DRILLING METHOD

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Earth Boring 3.5'
Rock Coring -
Samples 1

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-129B WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/25/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Location:	South Side of School	Number of Blows Per 6" On Sampler	Moisture Density Or	Strata Change	Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
Drilling Company:	R&R International	0-1.5'	0-6	6-12	12-18
Driller:	Ed Pucci	A	-	-	Auger Refusal at 1.5'; No Sample.
Drilling Method:	HSA				Abandon Boring Location.
Sampling Method:	SS				
Samples Examined By:	J. Ingrassia				
Reference Point:	Grade				
Well Construction					
Screen Type:	-				
Diam: - Slot No:	-				
Setting (BGL):					
Setting (Elevation):					
Riser Elevation:					
Protector Elevation:					
Gravel Pack Size:					
Protector:					
Static Water Level:					
Riser Stick-Up (AGL):					
Protector Stick-Up:					
REMARKS:					

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

SUMMARY

PROPORTIONS USED

SAMPLE TYPE

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

Earth Boring 1.5'
Rock Coring -
Samples 0

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-130WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/25/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Change Depth Fracturing

Location:	South Side of School	Number of Blows Per 6" On Sampler	Moisture Density Or Consist.	Depth	Fracturing
Drilling Company:	R&R International	Sample Type Of	Sample Depths	From/To Sample	0-6 6-12 12-18 18-24
Driller:	Ed Pucci	GRAB	-	-	-
Drilling Method:	HSA				
Sampling Method:	SS				
Samples Examined By:	J. Ingrassia				
Reference Point:	Grade				
Well Construction					
Screen Type:	-				
Diam:	-				
Setting (BGL):					
Setting (Elevation):					
Riser Elevation:					
Protector Elevation:					
Gravel Pack Size:					
Protector:					
Static Water Level:					
Riser Stick-Up (AGL)					
Protector Stick-Up:					
REMARKS:	* Sample Marked No Fill, No Lab Analysis.				

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

DRILLING METHOD

Cohesionless Density Cohesive Consistency

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

SUMMARY

PROPORTIONS USED

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Earth Boring 2.5'
Rock Coring -
Samples 2

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense
30+ Hard

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

**

OWNER: NYSDEC BORING NO: 2P-135WELL NO: - SHEET 1 OF 1
 ADDRESS: Niagara Falls, NY DATE STARTED: 06/24/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Depths	Type Of	Number of Blows Per 6" On Sampler		Moisture Density Or Consist.	Depth	Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
		0-6	6-12			
From/To Sample		0-6	6-12	12-18	18-24	
(ft.)						
0'-0.5'	GRAB	-	-	Moist	0.33'	Grass, Topsoil: Silt, Dark Brown with Root Matter; Over: Silt, Black, Organic (Fill).
0.5'-2.5'	SS	3	3/4	Stiff Moist		Silt, Black, Organic (Fill); Trace Sand, Coarse, Full Recovery.
2.5'-4.5'	SS	1	2/4	Soft Wet		Silt, Black, Organic (Fill); Trace Sand, Coarse, Full Recovery.
4.5'-6.5'	SS	1	1 1/2	Soft Wet		Poor Recovery, Silt, Brown (Tip of Spoon).
*6.5'-8.5'	SS	WOH	3	Medium Stiff Wet	7'	Top 4" of Spoon: Silt, Black and Brown Streaks; Trace Wood Chips; Silt, Gray, Some Clay at 7'.

REMARKS: * Marked as No Fill, Not Analyzed in Lab. EOH @ 8.5'

Location: East Back of School
 Drilling Company: R&R International
 Driller: Ed Pucci
 Drilling Method: HSA
 Sampling Method: SS
 Samples Examined By: J. Ingrassia
 Reference Point: Grade
 Well Construction
 Screen Type: -
 Diam: - Slot No: -
 Setting (BGL): -
 Setting (Elevation): -
 Riser Elevation: -
 Protector Elevation: -
 Gravel Pack Size: -
 Protector: -
 Static Water Level: -
 Riser Stick-Up (AGL) -
 Protector Stick-Up: -

SAMPLE TYPE	PROPORTIONS USED		SUMMARY		140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER		DRILLING METHOD	
					Cohesionless Density	Consistency		

AR= Air Return
 C = Cored
 W = Washed
 SS= Split Spoon
 TP= Test Pit
 A = Auger Flight

Earth Boring 8.5'
 Rock Coring -
 Samples 5

0 - 10 Loose
 10 - 30 Med. Dense
 30 - 50 Dense
 50+ Very Dense
 30+ Hard

HSA=Hollow Stem Auger
 Cd = Casing Drive
 Cs = Casing Spin
 Ar = Air Rotary
 Rb = Rotary Bit
 Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-136WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/25/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Location: South East of School

Drilling Company: R&R International

Driller: Ed Pucci

Drilling Method: HSA

Sampling Method: SS

Samples Examined By: J. Ingrassia

Reference Point: Grade

Well Construction

Screen Type: -

Diam: - Slot No: -

Setting (BGL):

Setting (Elevation):

Riser Elevation:

Protector Elevation:

Gravel Pack Size:

Protector:

Static Water Level:

Riser Stick-Up (AGL)

Protector Stick-Up:

Sample Depths	Type Of	Number of Blows Per 6" On Sampler	Moisture Density Or	Consist.	Depth	Remarks
0-1						Topsoil: Silty Clay, Dark Brown with Root Matter; Little Gravel, Fine at 0.5'.
0.5'	GRAB	-	Dry		0.5'	
*0.5'-2.5'						Fair Recovery: Silt and Clay, Gray Brown, Lighter Brown in Tip of Spoon.
2.5'	SS	4	Stiff Dry			
4.5'						Full Recovery: Clay, Reddish Brown, Homogeneous; Trace Silt. NOT COLLECTED STRATA VERIFICATION ONLY.
						EOH @ 4.5'

REMARKS: * Sample Marked No Fill, No Lab Analysis.

SAMPLE TYPE	PROPORTIONS USED				SUMMARY		140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER		DRILLING METHOD	
	AR= Air Return	C = Cored	W = Washed	SS= Split Spoon	TP= Test Pit	A = Auger Flight	Cohesionless	Density	Cohesive	Consistency
AR= Air Return	Trace	0 To 10%					0 - 10	Loose	0 - 4	Soft
C = Cored	Little	10 To 20%					10 - 30	Med. Dense	4 - 8	Med. Stiff
W = Washed	Some	20 To 35%					30 - 50	Dense	8 - 15	Stiff
SS= Split Spoon	And	35 To 50%					50+	Very Dense	15 - 30	Very Stiff
TP= Test Pit										Hard
A = Auger Flight										

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY
BORING NO: 2P-138WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/24/87 DATE COMPLETED Same

Sample Depths	Type Of Sample	From/To	Number of Blows Per 6" On Sampler	Moisture Density Or Consist.	SOIL IDENTIFICATION	
					Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing	
0-6	6-12	12-18				

(ft.)	/18-24							
0'-0.5'	GRAB	-	-	-	Dry	0.33'	Grass, Topsoil: Silt, Dark Brown; Some Clay; Over: Silt, Black, Organic (Fill).	
0.5'-2.5'	SS	1	2	1/2	Soft Dry		Silt, Black, Organic (Fill).	
2.5'-4.5'	SS	2	2	3/3	Medium Stiff Wet		Silt, Black to Brown, Organic; Trace Roots (Fill).	
4.5'-6.5'	SS	1	1	1/6	Soft Wet	6.0'	Silt, Black Organic (Fill); Last 6" of Spoon: Silt, Gray and Brown; Some Clay	
*6.5'-8.5'	SS	2	3	4/5	Stiff Wet		Silty Clay, Brown to Gray, Good Recovery.	
REMARKS: * Marked as No Fill, Not Analyzed in Lab. EOH @ 8.5'								

REMARKS: * Marked as No Fill, Not Analyzed in Lab. EOH @ 8.5'

<u>SAMPLE TYPE</u>	<u>PROPORTIONS USED</u>	<u>SUMMARY</u>	<u>140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER</u>	<u>DRILLING METHOD</u>
AR= Air Return	Trace	Earth Boring	0 - 10 Loose	0 - 4 Soft
C = Cored	Little 10 To 20%	Rock Coring	10 - 30 Med. Dense	4 - 8 Med. Stiff
W = Washed	Some 20 To 35%	Samples	30 - 50 Dense	8 - 15 Stiff
SS= Split Spoon	And 35 To 50%		50+ Very Dense	15 - 30 Very Stiff
TP= Test Pit				30+ Hard
A = Auger Flight				

OWNER: NYSDEC BORING NO: 2P-139WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/24/87 DATE COMPLETED Same

SOIL IDENTIFICATION
Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
Sample Type 6" On Sampler Moisture Density Or
Depths Of
From/To Sample 0-6 6-12 12-18 Consist. Depth
(ft) /18-24

0'-0.5'	GRAB	-	-	-	Dry	0.5'	Grass, Topsoil: Silt, Dark Brown; Trace Cobbles and Root Fiber; Over: Silt, Black, Organic (Fill); Trace Tan Streaks.
0.5'-2.5'	SS	2	3	5/6	Stiff Dry		Silt, Black, Organic (Fill); Trace Tan Silt Streaks, Grades to all Black Silt.
2.5'-4.5'	SS	6	10	10/14	Stiff Dry	4'	Poor Recovery; Silt, Black and Tan; Some Root Fibers; Last 4": Clay, Tan Mottled.
4.5'-6.5'	SS	10	13	18/31	Hard Moist		Clay, Brown and Gray; Trace Silt, Mottled. NOT COLLECTED, STRATA VERIFICATION ONLY.

REMARKS: EOH @ 6.5'

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

DRILLING METHOD

Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

AR= Air Return Trace 0 To 10%
C = Cored Little 10 To 20%
W = Washed Some 20 To 35%
SS= Split Spoon And 35 To 50%
TP= Test Pit
A = Auger Flight
HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

**

OWNER: NYSDEC BORING NO: 2P-140WELL NO: - SHEET 1 OF 1
 ADDRESS: Niagara Falls, NY DATE STARTED: 06/24/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

(ft.)		18-24					
0'-0.5'	GRAB	-	-	Dry	0.46'	Grass, Topsoil: Silt, Dark Brown; Root Fibers; Over: Silt, Black, Organic (Fill).	
0.5'-2.5'	SS	2	2 4/5	Med. Stiff Dry		Silt, Black, Organic (Fill); Last 4" of Spoon; Silt, Black (Fill) and Clay; Trace Fine Gravel, Angular.	
2.5'-4.5'	SS	3	3 3/3	Stiff Wet	3.5'	Silt, Black (Fill), and Clay, Brown; Trace Gravel, Angular (Cinders?).	
4.5'-6.5'	SS	3	3 4/5	Stiff Wet		Silt and Clay, Brown Grades to Gray; Trace Silt. NOT COLLECTED STRATA VERIFICATION ONLY.	
REMARKS: EOH @ 6.5'							

Location: East From Back of School
 Drilling Company: R&R International
 Driller: Ed Pucci
 Drilling Method: HSA
 Sampling Method: SS
 Samples Examined By: J. Ingrassia
 Reference Point: Grade
 Well Construction
 Screen Type: -
 Diam: - Slot No: -
 Setting (BGL): -
 Setting (Elevation): -
 Riser Elevation: -
 Protector Elevation: -
 Gravel Pack Size: -
 Protector: -
 Static Water Level: -
 Riser Stick-Up (AGL) -
 Protector Stick-Up: -

SAMPLE TYPE	PROPORTIONS USED	SUMMARY	140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER	DRILLING METHOD
AR= Air Return	Trace	Earth Boring	0 - 10 Loose	HSA=Hollow Stem Auger
C = Cored	Little	Rock Coring	10 - 30 Med. Dense	Cd = Casing Drive
W = Washed	Some	Samples	30 - 50 Dense	Cs = Casing Spin
SS= Split Spoon	And		50+ Very Dense	Ar = Air Rotary
TP= Test Pit			30+ Hard	Rb = Rotary Bit
A = Auger Flight				Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-141WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/25/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing

Sample Depths From/To Sample 0-6 6-12 12-18 18-24

Location:	South East Back of School	Number of Blows Per 6" On Sampler	Moisture Density Or	SL. Moist	Topsoil: Silt, Red-Brown; Little Clay; Some Gravel, Coarse and Very Coarse, Angular.
Drilling Company:	R&R International	GRAB	-	-	Poor Recovery: Silt, Reddish Brown; Some Clay; Root Fibers.
Driller:	Ed Pucci	SS	5	4 5/6	Silt, Brown and Light Gray; Some Clay; Gravel, Very Fine; Trace Rusty Mottling; Trace Root Fiber.
Drilling Method:	HSA				Silt, Brown and Gray. NOT COLLECTED STRATA VERIFICATION ONLY.
Sampling Method:	SS				
Samples Examined By:	J. Ingrassia				
Reference Point:	Grade				
Well Construction					
Screen Type:	-				
Diam: - Slot No:	-				
Setting (BGL):					
Setting (Elevation):					
Riser Elevation:					
Protector Elevation:					
Gravel Pack Size:					
Protector:					
Static Water Level:					
Riser Stick-Up (AGL)					
Protector Stick-Up:					
REMARKS: * Sample Marked No Fill, Not Analyzed in Lab.					

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

DRILLING METHOD

SUMMARY

PROPORTIONS USED

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

Earth Boring 6.5'
Rock Coring -
Samples 4

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Od = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-143WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/24/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Sample Depths	Type Of	6" On Sampler	Moisture Density Or	Strata Change	Depth	Consist.
From/To	Sample	0-6	6-12	12-18	18-24	
0' - 0.5'	GRAB	-	-	-	-	Dry
0.5' - 2.5'	SS	2	3/4	-	-	Soft Dry
2.5' - 4.5'	SS	4	1 1/1	-	-	M. Stiff Wet
4.5' - 6.5'	SS	1	8/16	-	-	Stiff Wet
6.5' - 8.5'	SS	8	12/12	-	-	Very Stiff Wet

REMARKS: EOH @ 8.5'

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

SAMPLE TYPE	PROPORTIONS USED	SUMMARY	COHESIONLESS DENSITY	COHESIVE CONSISTENCY	DRILLING METHOD
AR= Air Return	Trace	Earth Boring	0 - 10	Loose	0 - 4 Soft
C = Cored	Little	Rock Coring	10 - 30	Med. Dense	4 - 8 Med. Stiff
W = Washed	Some	Samples	30 - 50	Dense	8 - 15 Stiff
SS= Split Spoon	And		50+	Very Dense	15 - 30 Very Stiff
TP= Test Pit				Hard	30+ Hard
A = Auger Flight					

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

**

OWNER: NYSDEC BORING NO: 2P-144WELL NO: - SHEET 1 OF 1
 ADDRESS: Niagara Falls, NY DATE STARTED: 06/24/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Sample Depths	Type Of	Number of Blows Per 6" On Sampler	Moisture Density Or	Strata Change	Depth
From/To Sample	0-6	6-12	12-18	Consist.	Depth
(ft.)					
0'-0.5'	GRAB	-	-	Dry	0.5'
0.5'-2.5'	SS	3	6	12/12	Moist
2.5'-4.5'	SS	4	3	4/8	Moist
4.5'-6.5'	SS	5	5	5/9	Moist
REMARKS: EOH @ 6.5'					

Location: East From Back of School
 Drilling Company: R&R International
 Driller: Ed Pucci
 Drilling Method: HSA
 Sampling Method: SS
 Samples Examined By: J. Ingrassia
 Reference Point: Grade
 Well Construction
 Screen Type: -
 Diam: - Slot No: -
 Setting (BGL): -
 Setting (Elevation): -
 Riser Elevation: -
 Protector Elevation: -
 Gravel Pack Size: -
 Protector: -
 Static Water Level: -
 Riser Stick-Up (AGL) -
 Protector Stick-Up: -

PROPORTIONS USED

AR= Air Return
 C = Cored
 W = Washed
 SS= Split Spoon
 TP= Test Pit
 A = Auger Flight

SUMMARY

Earth Boring 6.5'
 Rock Coring -
 Samples 4

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

DRILLING METHOD

HSA=Hollow Stem Auger
 Cd = Casing Drive
 Cs = Casing Spin
 Ar = Air Rotary
 Rb = Rotary Bit
 Cb = Core Barrel

OWNER: NYSDEC

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-148WELL NO: 1

BORING NO: 2P-148WELL NO: -- SHEET 1 OF 1
DATE STARTED: 06/25/87 DATE COMPLETED Same

SHEET 1 OF 1

SOIL IDENTIFICATION

Sample Depths	Type Of	Number of Blows Per 6" On Sampler	Moisture		Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
			Density	Or	
From/To Sample	0-6	6-12	12-18	Consist.	Depth Fracturing

Location: South East Back

of School

Drilling Company: R&R International

Driller: Ed Pucci

Drilling Method:	HSA

Sampling Method:	SS
------------------	----

Samples Examined By: J. Ingrassia

Reference Point: Grade

Wall Construction

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
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
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

between type: _____

Draw: _____
 - STOC NO. _____

Setting (BGL):

Setting (Elevation): _____

Riser Elevation: _____

Protector Elevation: _____

Gravel Pack Size:

Protector:

Static Water Level: _____

Riser Stick-Up (AGL)

Protector Stick-Up:

SAMPLE TYPE	PROPORTIONS USED
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
36	1
37	1
38	1
39	1
40	1
41	1
42	1
43	1
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
52	1
53	1
54	1
55	1
56	1
57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
73	1
74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

AR=	Air	Return	Trace	0 To 10%
0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
16	16	16	16	16
17	17	17	17	17
18	18	18	18	18
19	19	19	19	19
20	20	20	20	20
21	21	21	21	21
22	22	22	22	22
23	23	23	23	23
24	24	24	24	24
25	25	25	25	25
26	26	26	26	26
27	27	27	27	27
28	28	28	28	28
29	29	29	29	29
30	30	30	30	30
31	31	31	31	31
32	32	32	32	32
33	33	33	33	33
34	34	34	34	34
35	35	35	35	35
36	36	36	36	36
37	37	37	37	37
38	38	38	38	38
39	39	39	39	39
40	40	40	40	40
41	41	41	41	41
42	42	42	42	42
43	43	43	43	43
44	44	44	44	44
45	45	45	45	45
46	46	46	46	46
47	47	47	47	47
48	48	48	48	48
49	49	49	49	49
50	50	50	50	50
51	51	51	51	51
52	52	52	52	52
53	53	53	53	53
54	54	54	54	54
55	55	55	55	55
56	56	56	56	56
57	57	57	57	57
58	58	58	58	58
59	59	59	59	59
60	60	60	60	60
61	61	61	61	61
62	62	62	62	62
63	63	63	63	63
64	64	64	64	64
65	65	65	65	65
66	66	66	66	66
67	67	67	67	67
68	68	68	68	68
69	69	69	69	69
70	70	70	70	70
71	71	71	71	71
72	72	72	72	72
73	73	73	73	73
74	74	74	74	74
75	75	75	75	75
76	76	76	76	76
77	77	77	77	77
78	78	78	78	78
79	79	79	79	79
80	80	80	80	80
81	81	81	81	81
82	82	82	82	82
83	83	83	83	83
84	84	84	84	84
85	85	85	85	85
86	86	86	86	86

C = Cored
Little 10 To 20%

W = Washed Some 20 To 35%

SS= Split Spoon And
most nit
35 to 50%

IF= test file
A = Answer Flight

[illegible]

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

DRILLING METHOD

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

Earth Boring 4.5'
Rock Coring
Samples

Trace	0	To 10%
Little	10	To 20%
Some	20	To 35%
And	35	To 50%

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

SOIL IDENTIFICATION

18-24

of School

Driller:
Ed Pucci

Sampling Method: SS

Reference Point: Grade

Screen Type:

Setting (BGL):

Riser Elevation:

Gravel Pack Size

Static Water Level:

Protector Stick-Up:

PROPORTIONS USED

C = Cored

Test	Test Bit	Test Bit
------	----------	----------

A - AUGER FLIGHT

Little 10 To 20%

And 30 to 35%

Rock Coring

10 - 30 Med.

24

4 - 8 Med.

Hard 30+

Ca = Casing Drive
Ca = Casing Spin

Rb = Rotary Bit

OWNER: NYSDEC BORING NO: 2P-153WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing

Sample Depths	Type Of	6" On Sampler	Moisture Density Or	Strata Change	Depth	Consist.
From/To	Sample	0-6	6-12	12-18	18-24	

0'-0.5'	GRAB	-	-	-	Moist	Topsoil: Silt with Root Fibers; Some Gravel, Medium, Angular.
0.5'-2.5'	SS	8	12	20/22	Hard Dry	Poor Recovery: Silt, Brown with Root Fibers, Some Clay; Darker Brown at Bottom of Spoon.
2.5'-4.5'	SS	5	5	6/7	V. Stiff Moist	Poor Recovery: Large Willow Root (1" of Spoon); Silty Clay, Gray.
4.5'-6.5'	SS	8	10	10/8	-	No Recovery: Tree Root Clogged Tip of Spoon.
6.5'-8.5'	SS	6	8	11/12	Wet	Full Recovery: Clay, Gray with Brown Streaks; Little Silt. NOT COLLECTED STRATA VERIFICATION ONLY.

REMARKS: EOH @ 8.5'

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

DRILLING METHOD

Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

AR= Air Return	Trace	0 To 10%	Earth Boring	8.5'	0 - 4	Soft	HSA=Hollow Stem Auger
C = Cored	Little	10 To 20%	Rock Coring	-	4 - 8	Med. Stiff	Cd = Casing Drive
W = Washed	Some	20 To 35%	Samples	5	8 - 15	Stiff	Cs = Casing Spin
SS= Split Spoon	And	35 To 50%			15 - 30	Very Stiff	Ar = Air Rotary
TP= Test Pit					30+	Hard	Rb = Rotary Bit
A = Auger Flight							Cb = Core Barrel

OWNER: NYSDEC

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-154WELL NO: --
DATE STARTED: 06/26/87 DATE

SHEET 1 OF 1
ATTACHED Same

SOIL IDENTIFICATION

Sample Depths	Type Of Sample	Number of Blows Per 6" On Sampler	Moisture		SOIL IDENTIFICATION	
			Density	Or	Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of	Depth
From/To	Sample	0-6	6-12	12-18	Consist.	Depth Fracturing

Location:	South East
Drilling Company:	Corner of School
Driller:	R&R International
Drilling Method:	Ed Pucci
Sampling Method:	HSA
Samples Examined By:	SS
Reference Point:	J. Ingrassia
Well Construction	Grade
Screen Type:	-
Diam:	-
Setting (BGL):	
Setting (Elevation):	
Riser Elevation:	
Protector Elevation:	
Gravel Pack Size:	
Protector:	
Static Water Level:	
Riser Stick-Up (AGL)	
Protector Stick-Up:	

DEPTH	TEST	WATER	TEMP.	MOISTURE	GRAVITY	WATER	TEMP.	MOISTURE	GRAVITY	TEST	WATER	TEMP.	MOISTURE	GRAVITY	TEST	WATER	TEMP.	MOISTURE	GRAVITY
0'-0.5'	GRAB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*0.5'-2.5'	SS	3	5	5/6	Stiff Moist	0.46'	Moist	0.46'	Moist	0.46'	Moist	0.46'	Moist	0.46'	Moist	0.46'	Moist	0.46'	Moist
2.5'-4.5'	SS	3	5	7/5	Stiff Moist														
REMARKS: * Sample Marked No Fill, No Lab Analysis.																			

REMARKS: * Sample Marked No Fill, No Lab Analysis.

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

<u>SAMPLE TYPE</u>	<u>PROPORTIONS USED</u>	<u>SUMMARY</u>	<u>Cohesionless Density</u>	<u>Cohesive Consistency</u>	<u>DRILLING METHOD</u>
AR= Air Return	Trace	Earth Boring	0 - 10	Loose	0 - 4 Soft
C = Cored	Little	Rock Coring	10 - 30	Med. Dense	4 - 8 Med. Stiff
W = Washed	Some	Samples	30 - 50	Dense	8 - 15 Stiff
SS= Split Spoon	And		50+	Very Dense	15 - 30 Very Stiff
Tp= Test Pit					30+ Hard
A = Auger Flight					
					HSA=Hollow Stem Auger
					Od = Casing Drive
					Cs = Casing Spin
					Ar = Air Rotary
					Rb = Rotary Bit
					Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-155WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Location:	South East	Number of Blows Per 6" On Sampler	Moisture Density Or	Strata Change	Depth	From/To Sample
Drilling Company:	Corner of School					
Driller:	R&R International					
Drilling Method:	Ed Pucci					
Sampling Method:	HSA					
Samples Examined By:	SS					
Reference Point:	J. Ingrassia					
Well Construction	Grade					
Screen Type:	-					
Diam:	- Slot No:					
Setting (BGL):						
Setting (Elevation):						
Riser Elevation:						
Protector Elevation:						
Gravel Pack Size:						
Protector:						
Static Water Level:						
Riser Stick-Up (AGL):						
Protector Stick-Up:						

REMARKS: EOH @ 6.5'

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

DRILLING METHOD

SUMMARY

PROPORTIONS USED

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Earth Boring 6.5'
Rock Coring -
Samples 4

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-157WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

From/To Sample 0-6 6-12 12-18 Consist. Depth

18-24

Location:	South East	Number of Blows Per 6" On Sampler	Moisture Density Or	Topsoil: Silt, Dark Brown with Root Fibers; Becoming Lighter Brown at (0.29').
Drilling Company:	Corner of School			
Driller:	R&R International			
Drilling Method:	Ed Pucci			
Sampling Method:	HSA			
Samples Examined By:	SS			
Reference Point:	J. Ingrassia			
Well Construction	Grade			
Screen Type:	-			
Diam: - Slot No:	-			
Setting (BGL):				
Setting (Elevation):				
Riser Elevation:				
Protector Elevation:				
Gravel Pack Size:				
Protector:				
Static Water Level:				
Riser Stick-Up (AGL)				
Protector Stick-Up:				

REMARKS:

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

SUMMARY

PROPORTIONS USED

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Earth Boring 2.5'
Rock Coring -
Samples 2

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

SECOND ROUND
BORING LOGS
(PHASE II)

OWNER: NYSDEC

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-102WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/29/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Depths	Type Of	6" On Sampler	Moisture Density	Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of
		Number of Blows Per		

From/To	Sample	0-6	6-12	12-18	Consist.	Depth	Fracturing

Location: North West Front
of School

Drilling Company: R&R International

Driller: Ed Pucci

Drilling Method: HSA

Sampling Method: SS

Samples Examined By: J. Ingrassia

Reference Point: Grade

Well Construction

Screen Type: -

Diam:	-	Slot No:	-
-------	---	----------	---

Setting (BGL):

Setting (Elevation):

Riser Elevation:

Protector Elevation:

Gravel pack Size:

protector:

Static Water Level:

Riser Stick-Up (AGL)

Protector Stick-Up:

SAMPLE TYPE	PROPORTIONS USED
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
36	1
37	1
38	1
39	1
40	1
41	1
42	1
43	1
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
52	1
53	1
54	1
55	1
56	1
57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
73	1
74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

AR=	Air Return	Trace	0 To 10%
0.00	0.00	0.00	0.00
0.05	0.05	0.05	0.05
0.10	0.10	0.10	0.10
0.15	0.15	0.15	0.15
0.20	0.20	0.20	0.20
0.25	0.25	0.25	0.25
0.30	0.30	0.30	0.30
0.35	0.35	0.35	0.35
0.40	0.40	0.40	0.40
0.45	0.45	0.45	0.45
0.50	0.50	0.50	0.50
0.55	0.55	0.55	0.55
0.60	0.60	0.60	0.60
0.65	0.65	0.65	0.65
0.70	0.70	0.70	0.70
0.75	0.75	0.75	0.75
0.80	0.80	0.80	0.80
0.85	0.85	0.85	0.85
0.90	0.90	0.90	0.90
0.95	0.95	0.95	0.95
1.00	1.00	1.00	1.00

C = Cored
Little 10 To 20%

W = Washed Some 20 To 35%

SS= Split Spoon
test pit:
33 to 30% AID

A = Alger Flight:

SUMMARY

Earth Boring 2.5'

Rock Coring -

Samples 2

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

DRILLING METHOD

HSA=Hollow Stem Auger

$C_d = \text{Casing Drive}$

Cs = Casing Spin

Ar = Air Rotary

Rb = Rotary Bit

Cb = Core Barrel

OWNER: NYSDEC BORING NO: 2P-105WELL NO: - SHEET 1 OF 1
ADDRESS: Niagara Falls, NY DATE STARTED: 06/29/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing

Location:	North West Front of School	Number of Blows Per 6" On Sampler	Moisture Density Or	Strata Change	Soil Type	Consist.	Depth	Remarks
Drilling Company:	R&R International	0-6	12-18	0-6	GRAB	18-24	0.5'	Grass, Topsoil: Silt, Brown with Root Fibers; Trace Clay; Trace Cobbles; Over: Silty Clay, Brownish Red.
Driller:	Ed Pucci	-	-	-	-	-	-	-
Drilling Method:	HSA	-	-	-	-	-	-	-
Sampling Method:	SS	-	-	-	-	-	-	-
Samples Examined By:	J. Ingrassia	-	-	-	-	-	-	-
Reference Point:	Grade	-	-	-	-	-	-	-
Well Construction	-	-	-	-	-	-	-	-
Screen Type:	-	-	-	-	-	-	-	-
Diam: - Slot No:	-	-	-	-	-	-	-	-
Setting (BGL):	-	-	-	-	-	-	-	-
Setting (Elevation):	-	-	-	-	-	-	-	-
Riser Elevation:	-	-	-	-	-	-	-	-
Protector Elevation:	-	-	-	-	-	-	-	-
Gravel Pack Size:	-	-	-	-	-	-	-	-
Protector:	-	-	-	-	-	-	-	-
Static Water Level:	-	-	-	-	-	-	-	-
Riser Stick-Up (AGL)	-	-	-	-	-	-	-	-
Protector Stick-Up:	-	-	-	-	-	-	-	-

REMARKS:

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

SAMPLE TYPE

SUMMARY

Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
Ana 35 To 50%

Earth Boring 2.5'
Rock Coring -
Samples 2

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

SOIL IDENTIFICATION

Sample Type 6" On Sampler Moisture Density Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
 From/To Sample 0-6 6-12 12-18 Consist. Depth
 (ft.) 18-24

Location:	North West				
Drilling Company:	Corner of School				
Driller:	R&R International				
Drilling Method:	Ed Pucci				
Sampling Method:	HSA				
Samples Examined By:	SS				
Reference Point:	J. Ingrassia				
Well Construction	Grade				
Screen Type:	-				
Diam: - Slot No:	-				
Setting (BGL):	2.5'-				
Setting (Elevation):	4.5'				
Riser Elevation:	SS				
Protector Elevation:	14				
Gravel Pack Size:	7				
Protector:	4/4				
Static Water Level:	Very Stiff				
Riser Stick-Up (AGL):	Wet				
Protector Stick-Up:	2.5'				
REMARKS:	Blacktop (0.42'); Then Gravel, Medium; Trace Sand, Coarse, Dark Brown, Angular; Trace Silt.				
	No Recovery: Cobble in Tip of Spoon Covered by Silt, Dark Gray to Black.				
	Silt, Dark Gray and Gravel, Fine, Angular, Top 3" of Spoon, Over: Silt, Gray to Brown, Streaked, Homogeneous. NOT COLLECTED-STRATA VERIFICATION ONLY				

SAMPLE TYPE	PROPORTIONS USED	SUMMARY	140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER	DRILLING METHOD
			Cohesionless Density Cohesive Consistency	

AR= Air Return
 C = Cored
 W = Washed
 SS= Split Spoon
 TP= Test Pit
 A = Auger Flight

Trace 0 To 10% Earth Boring 4.5'
 Little 10 To 20% Rock Coring -
 Some 20 To 35% Samples 3
 And 35 To 50%

0 - 10 Loose
 10 - 30 Med. Dense
 30 - 50 Dense
 50+ Very Dense

0 - 4 Soft
 4 - 8 Med. Stiff
 8 - 15 Stiff
 15 - 30 Very Stiff
 30+ Hard

HSA=Hollow Stem Auger
 Cd = Casing Drive
 Cs = Casing Spn
 Ar = Air Rotary
 Rb = Rotary Bit
 Cb = Core Barrel

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing

Location:		West Front of School		Number of Blows Per 6" On Sampler		Moisture Density Or		Strata Color, Gradation, Hardness, Seams, Degree of Fracturing	
Drilling Company:	R&R International	0'-0.5'	GRAB	-	-	Dry	0.5'	Grass, Topsoil: Silt with Roots, Brown to Dark Brown; Little Clay.	
Driller:	Ed Pucci	0.5'-2.5'	SS	4	7	8/9	Very Stiff	No Recovery. Cobble Blocked Tip of Spoon.	
Drilling Method:	HSA	2.5'-4.5'	SS	5	10	10/12	Very Stiff Dry	Silty Clay, Light Gray with Brown Streaks, Grading to Brownish Gray. NOT COLLECTED STRATA VERIFICATION ONLY	
Sampling Method:	SS								
Samples Examined By:	J. Ingrassia								
Reference Point:	Grade								
Well Construction									
Screen Type:	-								
Diam: - Slot No:	-								
Setting (BGL):									EOH @ 4.5'
Setting (Elevation):									
Riser Elevation:									
Protector Elevation:									
Gravel Pack Size:									
Protector:									
Static Water Level:									
Riser Stick-Up (AGL)									
Protector Stick-Up:									
REMARKS: Relocated Hole to Avoid Utilities and Building.									

SAMPLE TYPE: PROPORTIONS USED SUMMARY 140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER COHESIONLESS DENSITY COHESIVE CONSISTENCY DRILLING METHOD

AR= Air Return Trace 0 To 10% Earth Boring 4.5' 0 - 10 Loose 0 - 4 Soft HSA=Hollow Stem Auger
 C = Cored Little 10 To 20% Rock Coring - 10 - 30 Med. Dense 4 - 8 Med. Stiff Cd = Casing Drive
 W = Washed Some 20 To 35% Samples 3 30 - 50 Dense 8 - 15 Stiff Cs = Casing Spn
 SS= Split Spoon And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff Ar = Air Rotary
 TP= Test Pit Hard 30+ Rb = Rotary Bit
 A = Auger Flight Cb = Core Barrel

**

OWNER: NYSDEC BORING NO: 2P-112WELL NO: - SHEET 1 OF 1
 ADDRESS: Niagara Falls, NY DATE STARTED: 06/29/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 18-24 Moisture Density Or Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing

From/To Sample 0-6 6-12 12-18 18-24 Consist. Depth

Sample Depths	Type	Number of Blows Per 6" On Sampler	Moisture Density	Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing
0'-0.5'	GRAB	-	-	Dry
0.5'-2.5'	SS	3	4	5/8
2.5'-4.5'	SS	8	7	6/5
4.5'-5.5'	SS	8	7	6/5
5.5'-6.5'	SS	8	7	6/5
6.5'-7.5'	SS	8	7	6/5
7.5'-8.5'	SS	8	7	6/5
8.5'-9.5'	SS	8	7	6/5
9.5'-10.5'	SS	8	7	6/5
10.5'-11.5'	SS	8	7	6/5
11.5'-12.5'	SS	8	7	6/5
12.5'-13.5'	SS	8	7	6/5
13.5'-14.5'	SS	8	7	6/5
14.5'-15.5'	SS	8	7	6/5
15.5'-16.5'	SS	8	7	6/5
16.5'-17.5'	SS	8	7	6/5
17.5'-18.5'	SS	8	7	6/5
18.5'-19.5'	SS	8	7	6/5
19.5'-20.5'	SS	8	7	6/5
20.5'-21.5'	SS	8	7	6/5
21.5'-22.5'	SS	8	7	6/5
22.5'-23.5'	SS	8	7	6/5
23.5'-24.5'	SS	8	7	6/5
24.5'-25.5'	SS	8	7	6/5
25.5'-26.5'	SS	8	7	6/5
26.5'-27.5'	SS	8	7	6/5
27.5'-28.5'	SS	8	7	6/5
28.5'-29.5'	SS	8	7	6/5
29.5'-30.5'	SS	8	7	6/5
30.5'-31.5'	SS	8	7	6/5
31.5'-32.5'	SS	8	7	6/5
32.5'-33.5'	SS	8	7	6/5
33.5'-34.5'	SS	8	7	6/5
34.5'-35.5'	SS	8	7	6/5
35.5'-36.5'	SS	8	7	6/5
36.5'-37.5'	SS	8	7	6/5
37.5'-38.5'	SS	8	7	6/5
38.5'-39.5'	SS	8	7	6/5
39.5'-40.5'	SS	8	7	6/5
40.5'-41.5'	SS	8	7	6/5
41.5'-42.5'	SS	8	7	6/5
42.5'-43.5'	SS	8	7	6/5
43.5'-44.5'	SS	8	7	6/5
44.5'-45.5'	SS	8	7	6/5
45.5'-46.5'	SS	8	7	6/5
46.5'-47.5'	SS	8	7	6/5
47.5'-48.5'	SS	8	7	6/5
48.5'-49.5'	SS	8	7	6/5
49.5'-50.5'	SS	8	7	6/5
50.5'-51.5'	SS	8	7	6/5
51.5'-52.5'	SS	8	7	6/5
52.5'-53.5'	SS	8	7	6/5
53.5'-54.5'	SS	8	7	6/5
54.5'-55.5'	SS	8	7	6/5
55.5'-56.5'	SS	8	7	6/5
56.5'-57.5'	SS	8	7	6/5
57.5'-58.5'	SS	8	7	6/5
58.5'-59.5'	SS	8	7	6/5
59.5'-60.5'	SS	8	7	6/5
60.5'-61.5'	SS	8	7	6/5
61.5'-62.5'	SS	8	7	6/5
62.5'-63.5'	SS	8	7	6/5
63.5'-64.5'	SS	8	7	6/5
64.5'-65.5'	SS	8	7	6/5
65.5'-66.5'	SS	8	7	6/5
66.5'-67.5'	SS	8	7	6/5
67.5'-68.5'	SS	8	7	6/5
68.5'-69.5'	SS	8	7	6/5
69.5'-70.5'	SS	8	7	6/5
70.5'-71.5'	SS	8	7	6/5
71.5'-72.5'	SS	8	7	6/5
72.5'-73.5'	SS	8	7	6/5
73.5'-74.5'	SS	8	7	6/5
74.5'-75.5'	SS	8	7	6/5
75.5'-76.5'	SS	8	7	6/5
76.5'-77.5'	SS	8	7	6/5
77.5'-78.5'	SS	8	7	6/5
78.5'-79.5'	SS	8	7	6/5
79.5'-80.5'	SS	8	7	6/5
80.5'-81.5'	SS	8	7	6/5
81.5'-82.5'	SS	8	7	6/5
82.5'-83.5'	SS	8	7	6/5
83.5'-84.5'	SS	8	7	6/5
84.5'-85.5'	SS	8	7	6/5
85.5'-86.5'	SS	8	7	6/5
86.5'-87.5'	SS	8	7	6/5
87.5'-88.5'	SS	8	7	6/5
88.5'-89.5'	SS	8	7	6/5
89.5'-90.5'	SS	8	7	6/5
90.5'-91.5'	SS	8	7	6/5
91.5'-92.5'	SS	8	7	6/5
92.5'-93.5'	SS	8	7	6/5
93.5'-94.5'	SS	8	7	6/5
94.5'-95.5'	SS	8	7	6/5
95.5'-96.5'	SS	8	7	6/5
96.5'-97.5'	SS	8	7	6/5
97.5'-98.5'	SS	8	7	6/5
98.5'-99.5'	SS	8	7	6/5
99.5'-100.5'	SS	8	7	6/5

REMARKS:

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
 Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return
 C = Cored
 W = Washed
 SS= Split Spoon
 TP= Test Pit
 A = Auger Flight

Trace 0 To 10% Earth Boring 4.5'
 Little 10 To 20% Rock Coring -
 Some 20 To 35% Samples 3
 And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff 30+ Hard

HS=Hollow Stem Auger
 Cd = Casing Drive
 Cs = Casing Spin
 Ar = Air Rotary
 Rb = Rotary Bit
 Cb = Core Barrel

Location: North East
 Drilling Company: Corner of School
 Driller: R&R International
 Sampling Method: Ed Pucci
 Samples Examined By: HSA
 Reference Point: SS
 Well Construction: J. Ingrassia
 Screen Type: Grade
 Diam: -
 Setting (BGL): -
 Setting (Elevation): 2.5'-4.5'
 Riser Elevation: SS
 Protector Elevation: 8
 Gravel Pack Size: 7
 Protector: 6/5
 Static Water Level: Very Stiff
 Riser Stick-Up (AGL) Wet
 Protector Stick-Up: EOH @ 4.5'

SAMPLE TYPE PROPORTIONS USED SUMMARY

**

OWNER: NYSDEC BORING NO: 2P-113WEL NO: - SHEET 1 OF 1
 ADDRESS: Niagara Falls, NY DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows per 18-24 (ft.)
 Depths Of 6-12 12-18 18-24
 From/To Sample 0-6 6-12 12-18 Consist. Depth Fracturing

Sample Type	Of	Number of Blows per	Moisture Density	Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing	Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
0-0.5'	GRAB	-	-	Wet	Topsoil (0.17'): Silt, Dark Brown to Black with Trace Root Fibers; Over: 0.33' Silt (.33') Brown, Over: Silt, Light Brown, Trace Clay (0.51').
0.5'-2.5'	SS	3	3 5/4	Stiff Wet	Poor Recovery: Silt, Brown with Orange and Gray Streaks; Trace Root Fibers; Near Tip of Spoon: Silt, Black (Fill).
2.5'-4.5'	SS	3	4 4/6	Stiff Wet	Full Recovery: Silty Clay, Brown to Gray, Homogeneous. NOT COLLECTED STRATA VERIFICATION ONLY.
4.5'-6.5'					EOH @ 4.5
6.5'-8.5'					
8.5'-10.5'					
10.5'-12.5'					
12.5'-14.5'					
14.5'-16.5'					
16.5'-18.5'					
18.5'-20.5'					
20.5'-22.5'					
22.5'-24.5'					
24.5'-26.5'					
26.5'-28.5'					
28.5'-30.5'					
30.5'-32.5'					
32.5'-34.5'					
34.5'-36.5'					
36.5'-38.5'					
38.5'-40.5'					
40.5'-42.5'					
42.5'-44.5'					
44.5'-46.5'					
46.5'-48.5'					
48.5'-50.5'					
50.5'-52.5'					
52.5'-54.5'					
54.5'-56.5'					
56.5'-58.5'					
58.5'-60.5'					
60.5'-62.5'					
62.5'-64.5'					
64.5'-66.5'					
66.5'-68.5'					
68.5'-70.5'					
70.5'-72.5'					
72.5'-74.5'					
74.5'-76.5'					
76.5'-78.5'					
78.5'-80.5'					
80.5'-82.5'					
82.5'-84.5'					
84.5'-86.5'					
86.5'-88.5'					
88.5'-90.5'					
90.5'-92.5'					
92.5'-94.5'					
94.5'-96.5'					
96.5'-98.5'					
98.5'-100.5'					

REMARKS:

Location: North East Back of School
 Drilling Company: R&R International
 Driller: Ed Pucci
 Drilling Method: HSA
 Sampling Method: SS
 Samples Examined By: J. Ingrassia
 Reference Point: Grade
 Well Construction -
 Screen Type: -
 Diam: - Slot No: -
 Setting (BGL): 2.5'
 Setting (Elevation): 4.5'
 Riser Elevation: -
 Protector Elevation: -
 Gravel Pack Size: -
 Protector: -
 Static Water Level: -
 Riser Stick-Up (AGL) -
 Protector Stick-Up: -

SAMPLE TYPE PROPORTIONS USED SUMMARY 140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER DRILLING METHOD HSA=Hollow Stem Auger

AR= Air Return Trace 0 To 10% Earth Boring 4.5' 0 - 10 Loose 0 - 4 Soft HSA=Hollow Stem Auger
 C = Cored Little 10 To 20% Rock Coring - 10 - 30 Med. Dense 4 - 8 Med. Stiff Cd = Casing Drive
 W = Washed Some 20 To 35% Samples 3 30 - 50 Dense 8 - 15 Stiff Cs = Casing Spin
 SS= Split Spoon And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff Ar = Air Rotary
 TP= Test Pit Rb = Rotary Bit
 A = Auger Flight Cb = Core Barrel

**

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-118WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/29/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Type 6" On Sampler Moisture Density Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 18-24 Consist. Depth

Sample	Type	Number of Blows Per	Moisture Density	Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing
0-1'	GRAB	-	-	Topsoil: Silt, Dark Brown with Trace Root Fibers; Over: Silt, Black (Fill).
0.5'-2.5'	SS	3	4/6	Silt, Black, Organic, (Fill); Trace Roots; Trace Silt, Brown.
2.5'-4.5'	SS	3	1 1/5	Silt, Black, Organic, (Fill - 3.5'), Over: Silt, Brown; Trace Clay; Trace Root Fibers; Trace Wood Chip and Black Silt (3.5' - 4') Over: Silt, Brown with Orange Streaks at 4'.
4.5'-6.5'	SS	2	4/7	Silty Clay, Brown with Gray and Orange Streaks; Grading to Gray and Brown Streaked (@ 5.5'). NOT COLLECTED STRATA VERIFICATION ONLY.

BOH @ 6.5'

REMARKS:

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

SAMPLE TYPE

PROPORTIONS USED

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10% Earth Boring 6.5'
Little 10 To 20% Rock Coring -
Some 20 To 35% Samples 4
And 35 To 50%
0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

Location:

Drilling Company:

Driller:

Drilling Method:

Sampling Method:

Samples Examined By:

Reference Point:

Well Construction

Screen Type:

Diam: - Slot No: -

Setting (BGL):

Setting (Elevation):

Riser Elevation:

Protector Elevation:

Gravel Pack Size:

Protector:

Static Water Level:

Riser Stick-Up (AGL):

Protector Stick-Up:

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-123WEL NO: - SHEET 1 OF 1
DATE STARTED: 06/29/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Number of Blows per 6" On Sampler
Sample Type Of
Depths
From/To Sample 0-6 6-12 12-18 Consist. Depth Fracturing
(ft.)

Sample Type	Of	Depths	From/To	Sample	0-6	6-12	12-18	Consist.	Depth	Fracturing
0'-0.5'	GRAB	-	-	-						Topsoil: Silt, Dark Brown, and Large Cobbles, Subrounded; Trace Gravel.
0.5'-2.5'	SS	3	3	3/6	Stiff					Poor Recovery (8"): Silty Clay, Red with Brown Streaks.
2.5'-4.5'	SS	6	6	10/10	Very Stiff	3.5'				Silty Clay, Red with Brown and Gray Streaks; Over Silty Clay, Brown with Gray Streaks (3.5'). NOT COLLECTED STRATA VERIFICATION ONLY
										EOH @ 4.5'
REMARKS:										

Location: South Side of School
Drilling Company: R&R International
Driller: Ed Pucci
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: J. Ingrassia
Reference Point: Grade
Well Construction
Screen Type: -
Diam: - Slot No: -
Setting (BGL): 2.5'
Setting (Elevation): 4.5'
Riser Elevation:
Protector Elevation:
Gravel Pack Size:
Protector:
Static Water Level:
Riser Stick-Up (AGL)
Protector Stick-Up:

SAMPLE TYPE PROPORTIONS USED

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

SUMMARY

Trace 0 To 10% Earth Boring 4.5'
Little 10 To 20% Rock Coring -
Some 20 To 35% Samples 3

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

DRILLING METHOD

HSA=Hollow Stem Auger
Cd = Casing Drive
CS = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

BORING NO: 2P-124WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/29/87 DATE COMPLETED Same

Sample		Number of Blows Per	Moisture	Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, of Condition, Hardness, Seams, Degree of Fracturing	
Depths	Type Of	6" On Sampler	Density Or	Strata Change	Depth
From/To	Sample	0-6	6-12	12-18	Consist.
(ft.)			18-24		

South Side of

R&R International

Ed Pucci

HSA

SS

: J. Ingrassia

Grade

•
•
•

• •

•

•

•

_____)

Abstract

PROPORTIONS USED

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

Trace 0 To 10%

Item	To	From
Little	10	20%
More	20	35%

Some	20 To 33%
And	35 To 50%

[illegible]

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spln
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-125WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/30/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Type 6" On Sampler Moisture Density Strata Color, Gradation, Rock Color, Type, Or Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 18-24 (ft.)

Location:	South Side of School						Remarks Include Soil Type, Grain Size, Trace Root Fibers; Over: Silty Clay, Brown.
Drilling Company:	R&R International	0'-0.5'	GRAB	-	-	Moist	0.33'
Driller:	Ed Pucci						
Drilling Method:	HSA						
Sampling Method:	SS						
Samples Examined By:	J. Ingrassia	0.5'-2.5'	SS	5	5	8/10	Very Stiff Dry
Reference Point:	Grade						
Well Construction							
Screen Type:	-						
Diam: - Slot No:	-						
Setting (BGL):		2.5'-4.5'	SS	5	5	10/14	Very Stiff
Setting (Elevation):							
Riser Elevation:							
Protector Elevation:							
Gravel Pack Size:							
Protector:							
Static Water Level:							
Riser Stick-Up (AGL)							
Protector Stick-Up:							
REMARKS:							

SAMPLE TYPE

PROPORTIONS USED

SUMMARY
140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

Earth Boring 4.5'
Rock Coring -
Samples 3

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-133WEL NO: - SHEET 1 OF 1
DATE STARTED: 06/30/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per
Depths Of Consist. Depth Fracturing
From/To Sample 0-6 6-12 12-18 18-24 (ft.)

Location:

South East

Drilling Company:

Corner of School
R&R International

Driller:

Ed Pucci

Drilling Method:

HSA

Sampling Method:

SS

Samples Examined By: J. Ingrassia

Reference Point:

Grade

Well Construction

Screen Type:

-

Diam: - Slot No: -

Setting (BGL):

-

Setting (Elevation):

-

Riser Elevation:

-

Protector Elevation:

-

Gravel Pack Size:

-

Protector:

-

Static Water Level:

-

Riser Stick-Up (AGL)

-

Protector Stick-Up:

-

0'-0.5'	GRAB	-	-	-	Moist	0.5'	Topsoil: Silt, Dark Brown to Black and Gravel, Medium to Coarse Angular; Trace Clinders (Gravel, Fine, Black); Silt and Clay, Brown at 0.5'.
0.5'-2.5'	SS	3	5	7/7	Stiff		Silty Clay, Brown Grading to Light Brown w/tn Gray and Orange Streaks. NOT COLLECTED-STRATA VERIFICATION ONLY
							EOH @ 2.5'
REMARKS:							

REMARKS:

EOH @ 2.5'

Silty Clay, Brown Grading to Light Brown with Gray and Orange Streaks. NOT COLLECTED-STRATA VERIFICATION ONLY

Topsoil: Silt, Dark Brown to Black and Gravel, Medium to Coarse Angular; Trace Cinders (Gravel, Fine, Black); Silt and Clay, Brown at 0.5'.

**

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-134WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/29/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

Location:	North East Back of School										
Drilling Company:	R&R International										
Driller:	Ed Pucci										
Drilling Method:	HSA										
Sampling Method:	SS										
Samples Examined By:	J. Ingrassia										
Reference Point:	Grade										
Well Construction											
Screen Type:	-										
Diam: - Slot No:	-										
Setting (BGL):											
Setting (Elevation):	4.5'-6.5'										
Riser Elevation:	SS										
Protector Elevation:	4										
Gravel Pack Size:	6										
Protector:	7/14										
Static Water Level:											
Riser Stick-Up (AGL)											
Protector Stick-Up:											
REMARKS:	Dry										
	0.33'										
	Topsoil: Silt, Dark Brown; Over: Silt, Black, Organic (Fill).										
	Silt, Black, Organic (Fill); Trace Tree Root (1" Layer).										
	Silt, Black, Organic (Fill) (18"); Over: Silt, Brown with Orange Streaks; Trace Clay (0.5').										
	4'										
	Soft Moist										
	2/4										
	WOH										
	SS										
	4.5'										
	2.5'										
	GRAB										
	0.5'										

SAMPLE TYPE

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

PROPORTIONS USED

Trace 0 To 10% Earth Boring
Little 10 To 20% Rock Coring
Some 20 To 35% Samples
And 35 To 50%

SUMMARY
140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

DRILLING METHOD

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spln
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

**

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-137WEL NO: - SHEET 1 OF 1
DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Type 6" On Sampler Moisture Density Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 18-24 Consist. Depth
(ft.)

Sample Type	Number of Blows Per	Moisture Density	Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
0'-0.5'	GRAB	-	-
0.5'-2.5'	SS	2	2 2/4
2.5'-4.5'	SS	2	4/5
4.5'-6.5'	SS	2	6/6
6.5'-			
REMARKS: EOH @ 6.5'			
			Topsoil: Silt, Dark Brown with Trace Root Fibers and Wood Chips (Fill); Over: Silt, Black at (0.46').
			Good Recovery: Silt, Black, Organic (Fill).
			Silt, Black Organic (Fill for 1'); Silty Clay, Brown.
			Silty Clay, Brown with Gray and Red Streaks. NOT COLLECTED STRATA VERIFICATION ONLY.

Location: North East Back of School
Drilling Company: R&R International
Driller: Ed Pucci
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: J. Ingrassia
Reference Point: Grade
Well Construction
Screen Type: -
Diam: - Slot No: -
Setting (BGL): -
Setting (Elevation): -
Riser Elevation: -
Protector Elevation: -
Gravel Pack Size: -
Protector: -
Static Water Level: -
Riser Stick-Up (AGL): -
Protector Stick-Up: -

SAMPLE TYPE PROPORTIONS USED

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

SUMMARY

Earth Boring 6.5'
Rock Coring -
Samples 4

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

DILLING METHOD

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-142WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/30/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Number of Blows Per 6" On Sampler
Sample Type Of
Depths
Moisture Density Or
Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 Consist. Depth
(ft.)

Location:	South East								
Drilling Company:	Corner of School	0'-							
Driller:	R&R International	0.5'	GRAB	-	-	-	Moist	0.17'	Topsoil: (0.17') Silty and Clay, Over: Clay, Trace Silt, Red-Brown.
Drilling Method:	Ed Puccl								
Sampling Method:	HSA								
Samples Examined By:	J. Ingrassia	0.5'-	SS	3	4	10/10	Very Stiff Dry		Silty Clay, Brown with Orange and Gray Mottling; Trace Root Fiber. NOT COLLECTED, STRATA VERIFICATION ONLY.
Reference Point:	Grade	2.5'							
Well Construction									
Screen Type:	-								
Diam: - Slot No:	-								
Setting (BGL):									
Setting (Elevation):									
Riser Elevation:									
Protector Elevation:									
Gravel Pack Size:									
Protector:									
Static Water Level:									
Riser Stick-Up (AGL)									
Protector Stick-Up:									
REMARKS:									

SAMPLE TYPE PROPORTIONS USED SUMMARY

AR= Air Return Trace 0 To 10% Earth Boring 2.5' 0 - 10 Loose 0 - 4 Soft HSA=Hollow Stem Auger
C = Cored Little 10 To 20% Rock Coring - 10 - 30 Med. Dense 4 - 8 Med. Stiff Cd = Casing Drive
W = Washed Some 20 To 35% Samples 2 30 - 50 Dense 8 - 15 Stiff Cs = Casing Spln
SS= Split Spoon And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff Ar = Air Rotary
TP= Test Pit 30+ Hard Rb = Rotary Bit
A = Auger Flight Cb = Core Barrel

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

**

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-145WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Number of
Blows Per
6" On Sampler
Sample Type Of
Sample Depths
From/To Sample 0-6 6-12 12-18 18-24
(ft.)

Moisture
Density
Or
Consist.
Depth
Fracturing

Remarks Include Soil Type, Grain Size,
Strata Color, Gradation, Rock Color, Type,
Change Condition, Hardness, Seams, Degree of

Location:	East Back of School	0'-0.5'	GRAB	-	-	-	Dry	0.33'	Topsoil (0.33') Over: Silt, Dark to Light Brown; Trace Root Fiber.
Drilling Company:	R&R International								
Driller:	Ed Pucci								
Drilling Method:	HSA								
Sampling Method:	SS	0.5'-2.5'	SS	5	6	7/9	Very Stiff Dry	0.5'	Silt, little clay, brown with gray and orange streaks. NOT COLLECTED STRATA VERIFICATION ONLY
Samples Examined By:	J. Ingrassia								
Reference Point:	Grade								
Well Construction									EOH @ 2.5'
Screen Type:	-								
Diam: - Slot No:	-								
Setting (BGL):									
Setting (Elevation):									
Riser Elevation:									
Protector Elevation:									
Gravel Pack Size:									
Protector:									
Static Water Level:									
Riser Stick-Up (AGL)									
Protector Stick-Up:									
REMARKS:									

SAMPLE TYPE PROPORTIONS USED SUMMARY

AR= Air Return	Trace	0 To 10%	Earth Boring	2.5'	0 - 10 Loose	0 - 4 Soft	HSA=Hollow Stem Auger
C = Cored	Little	10 To 20%	Rock Coring	-	10 - 30 Med. Dense	4 - 8 Med. Stiff	Cd = Casing Drive
W = Washed	Some	20 To 35%	Samples	2	30 - 50 Dense	8 - 15 Stiff	Cs = Casing Spn
SS= Split Spoon	And	35 To 50%			50+ Very Dense	15 - 30 Very Stiff	Ar = Air Rotary
TP= Test Pit						30+ Hard	Rb = Rotary Bit
A = Auger Flight							Cb = Core Barrel

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-146WEL NO: - SHEET 1 OF 1
DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Depths	Type Of	Number of Blows per 6" On Sampler	Moisture Density Or	Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of
------------------	------------	---	---------------------------	--

From T/O Sample	0-6	6-12	12-18	Consist.	Depth	Fracturing
(ft.)			18-24			

Location:

Drilling Company:

Driller:

Drilling Method:

Sampling Method:

Samples Examined By: J. Ingrassia

Reference Point:

Well Construction

Screen Type:

Diam: Slot No:

Setting (BGL):

Setting (Elevation):

Riser Elevation:

Protector Elevation:

Gravel Pac

Protector:

Static Water Level:

Riser Stick-Up (AGL)

[illegible]

AR= Air Return

C = Cored

W = Washed
SS = Sniff + Spoon

TP= Test Pit

A = Auger Flight

[illegible]

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

Trace	0	To 10%	Earth Boring	2.5
Little	10	To 20%	Rock Coring	-
Some	20	To 35%	Samples	2
And	35	To 50%		

0 - 10	Loose	0 - 4	Soft
10 - 30	Med. Dense	4 - 8	Med. Stiff
30 - 50	Dense	8 - 15	Stiff
50+	Very Dense	15 - 30	Very Stiff
		30+	Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit

Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BOILING NO: 2D-147WEL NO: - SHEET 1 OF 1
DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Number of Blows Per 6" On Sampler
Sample Type Of
Depths
From/To Sample 0-6 6-12 12-18 18-24
Moisture Density Or
Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

0'-0.5'	GRAB	-	-	-	Moist	Topsoil: Silty Clay, Dark Brown to Red, Trace Root Fibers.
0.5'-2.5'	SS	3	6	7/10	Very Stiff Dry	Silty Clay, Reddish Brown with Trace Root Fiber; Silt, Black (Fill) 1/4" Thick Layer; Over: Weathered Silty Clay, Tan.
2.5'-4.5'	SS	7	7	9/12	Very Stiff	Silty Clay, Brown with Red Streaks Grading to Red Brown with Gray Streaks. NOT COLLECTED, STRATA VERIFICATION ONLY
REMARKS: EOH @ 4.5'						

Location: South East Back of School
Drilling Company: R&R International
Driller: Ed Pucci
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: J. Ingrassia
Reference Point: Grade
Well Construction
Screen Type: -
Diam: - Slot No: -
Setting (BGL): -
Setting (Elevation): -
Riser Elevation: -
Protector Elevation: -
Gravel Pack Size: -
Protector: -
Static Water Level: -
Riser Stick-Up (AGL) -
Protector Stick-Up: -

SUMMARY

Earth Boring 4.5'
Rock Coring -
Samples 3

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight
HSA=Hollow Stem Auger
Cd = Casing Drive
CS = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-149WEL, NO: - SHEET 1 OF 1
DATE STARTED: 06/26/87 DATE COMPLETED Same

**

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 18-24 Moisture Density Or Change Condition, Hardness, Seams, Degree of Fracturing

0'-0.5'	GRAB	-	-	-		Topsoil: Silt, Dark Brown with Root Fibers.
0.5'-2.5'	SS	5	3	3/3	Stiff Moist	No Recovery: Reentered Hole with Split Spoon, Silt, Black, Organic, and Clay; Silt (In Tip of Spoon), Brown and Gray.
2.5'-4.5'	SS	2	3	5/5	Stiff Wet	Full Recovery (18"): Silty Clay, Brown with Gray and Red Streaks. NOT COLLECTED STRATA, VERIFICATION ONLY.
						EOH @ 4.5'
REMARKS:						

Location: North East Back of School
Drilling Company: R&R International
Driller: Ed Pucci
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: J. Ingrassia
Reference Point: Grade
Well Construction
Screen Type: -
Diam: - Slot No: -
Setting (BGL): -
Setting (Elevation): -
Riser Elevation: -
Protector Elevation: -
Gravel Pack Size: -
Protector: -
Static Water Level: -
Riser Stick-Up (AGL) -
Protector Stick-Up: -

SAMPLE TYPE PROPORTIONS USED SUMMARY 140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER DRILLING METHOD HSA=Hollow Stem Auger

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10% Earth Boring 4.5'
Little 10 To 20% Rock Coring -
Some 20 To 35% Samples 3
And 35 To 50%
50+ Very Dense
15 - 30 Very Stiff
30+ Hard

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

CD = Casing Drive
CS = Casing Spin
AR = Air Rotary
RB = Rotary Bit
Cb = Core Barrel

BORING NO: 2P-150WEL, NO: -- SHEET 1 OF 1
DATE STARTED: 06/26/87 DATE COMPLETED Same

Sample Depths	Type Of	Number of Blows Per 6" On Sampler	Moisture Density Or	Strata Color, Gradation, Change Condition, Hardness, Seams, Degree of	Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of

(ft.)

North East Back
of School

R&R International

Ed Pucci

HSA

§

:J. Ingrassia

Grade

1

• •

• •

• •

5

PROPORTIONS USED

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace	0 To 10%	Earth Boring	2.5
Little	10 To 20%	Rock Coring	-
Some	20 To 35%	Samples	<u>2</u>
And	35 To 50%		

0 - 10	Loose	0 - 4	Soft
10 - 30	Med. Dense	4 - 8	Med. Stiff
30 - 50	Dense	8 - 15	Stiff
50+	Very Dense	15 - 30	Very Stiff
		30+	Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing SpIn
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, NY

BORING NO: 2P-151WELL NO: - SHEET 1 OF 1
DATE STARTED: 06/26/87 DATE COMPLETED Same

SOIL IDENTIFICATION

Sample Depths	Type Of	Number of Blows Per		Moisture Density Or	Strata Color, Gradation, Change Condition, Hardness, Seams, Degree of Fracturing
		6" On Sampler	12-18 /18-24		
From/To Sample	0-6	6-12	12-18	Consist.	Depth
(ft.)					

East Back of

Drilling Company: R&R International

Driller: Ed Pucci

Drilling Method: HSA

Sampling Method: SS

Samples Examined By: J. Ingrassia

Reference Point: Grade

Well Construction

Screen Type: _____

Diam: _____ Slot No: _____

Setting (BGL): _____

Setting (Elevation): _____

Riser Elevation: _____

Protector Elevation: _____

Gravel Pack Size: _____

Protector: _____

Static Water Level: _____

Riser Stick-Up (AGL) _____

Protector Stick-Up: _____

<u>SAMPLE TYPE</u>	<u>PROPORTIONS USED</u>
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
36	1
37	1
38	1
39	1
40	1
41	1
42	1
43	1
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
52	1
53	1
54	1
55	1
56	1
57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
73	1
74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return	Trace	0 To 10%
----------------	-------	----------

	Little	10 to 20%	More than 20%
C = Cored	100	100	100
C = Homogeneous	0	0	0

W = Washed	20	35%
SS = Sal + Spoon	10	50%
And	35	

Test Pit	xxxx	00	00	00
MP=	00	00	00	00

A = Auger Flight

Trace 0 To 10% Earth Boring 2.5

Little 10 to 20%	Rock coring	-
------------------	-------------	---

And	35 To 50%	
Some	20 To 33%	2
Some	10 To 33%	2

0 - 10	Loose	0 - 4	Soft
10 - 20	Medium	4 - 8	Medium
20 - 30	Stiff	8 - 12	Very Stiff

30	50	Dense	8	15	Stiff
10	30	Med. Dense	1	0	Med. Dense

50+	Very Dense	15 - 30	Very Stiff
-----	------------	---------	------------

30+ Hard

HSA=Hollow Stem Auger
Cd = Casting Drive

Cs = Casing Spin

Ar = Air Rotary

Rb = Rotary Bit

Cb = Core Barrel

BORING NO: 2P-156WELL NO: -- SHEET 1 OF 1

DATE STARTED:	DATE COMPLETED
06/26/87	Same

SOIL IDENTIFICATION

SOIL IDENTIFICATION.				
Sample Depths	Type Of	Number of Blows Per	Moisture	Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing
		6" On Sampler	Density Or	
From/To (ft.)	Sample 0-6	6-12	12-18 /18-24	Consist. Depth

Location: 93rd Street

Drilling Company: R&R Internatl.

Driller: Ed Pucci

Drilling Method: HSA

Sampling Method:	SS
------------------	----

Samples Examined By: J. Ingrassia

Reference Point: Grade

Well Construction

Screen Type: -

Diam: - Slot No: -

Setting (BGL):

Setting (Elevation): _____

Riser Elevation:

Protector Elevation: _____

Gravel Pack Size:

Protector:

Static Water Level:

Riser Stick-Up (AGL) _____

Protector Stick-Up:

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

DRILLING METHOD

AR= Air Return	Trace	0 To 10%	Earth Boring	0 - 10	Loose	0 - 4	Soft	HSA=Hollow Stem Auger
C = Cored	Little	10 To 20%	Rock Coring	10 - 30	Med. Dense	4 - 8	Med. Stiff	Cd = Casing Drive
W = Washed	Some	20 To 35%	Samples	30 - 50	Dense	8 - 15	Stiff	Cs = Casing Spinn
SS= Split Spoon	And	35 To 50%		50+	Very Dense	15 - 30	Very Stiff	Ar = Air Rotary
TP= Test Pit								Rb = Rotary Bit
A = Auger Flight						30+	Hard	Cb = Core Barrel

APPENDIX D

APPENDIX D

EPA HAZARDOUS SUBSTANCE LIST

**ELEMENTS DETERMINED BY INDUCTIVELY COUPLED
PLASMA EMISSION OR ATOMIC ABSORPTION SPECTROSCOPY**

<u>Element</u>	<u>Detection Level (ug/l)</u>
Aluminum	200
Antimony	60
Arsenic	10
Barium	200
Beryllium	5
Cadmium	5
Calcium	5000
Chromium	10
Cobalt	50
Copper	25
Iron	100
Lead	5
Magnesium	5000
Manganese	15
Mercury	0.2
Nickel	40
Potassium	5000
Selenium	5
Silver	10
Sodium	5000
Thallium	10
Vanadium	50
Zinc	20
Molybdenum	
Titanium	

**HAZARDOUS SUBSTANCE LIST (HSL) AND
CONTRACT REQUIRED DETECTION LIMITS (CRDL)****

<u>Volatiles</u>	<u>Detection Limits*</u>	
	<u>Low Water^a</u> ug/L	<u>Low Soil/Sediment^b</u> ug/Kg
1. Chloromethane	10	10
2. Bromomethane	10	10
3. Vinyl Chloride	10	10
4. Chloroethane	10	10
5. Methylene Chloride	5	5
6. Acetone	10	10
7. Carbon Disulfide	5	5
8. 1,1-Dichloroethene	5	5
9. 1,1-Dichloroethane	5	5
10. Trans-1,2-Dichloroethene	5	5
11. Chloroform	5	5
12. 1,2-Dichloroethane	5	5
13. 2-Butanone	10	10
14. 1,1,1-Trichloroethane	5	5
15. Carbon Tetrachloride	5	5
16. Vinyl Acetate	10	10
17. Bromodichloromethane	5	5
18. 1,1,2,2-Tetrachloroethane	5	5
19. 1,2-Dichloropropane	5	5
20. Trans-1,3-Dichloropropene	5	5
21. Trichloroethene	5	5
22. Dibromochloromethane	5	5
23. 1,1,2-Trichloroethane	5	5
24. Benzene	5	5
25. Cis-1,3-Dichloropropene	5	5
26. 2-Chloroethyl Vinyl Ether	10	10
27. Bromoform	5	5
28. 2-Hexanone	10	10
29. 4-Methyl-2-Pentanone	10	10
30. Tetrachloroethene	5	5

**HAZARDOUS SUBSTANCE LIST (HSL) AND
CONTRACT REQUIRED DETECTION LIMITS (CRDL)****

<u>Volatiles</u>	<u>Detection Limits*</u>	
	<u>Low Water^a</u> ug/L	<u>Low Soil/Sediment^b</u> ug/Kg
31. Toluene	5	5
32. Chlorobenzene	5	5
33. Ethyl Benzene	5	5
34. Styrene	5	5
35. Total Xylenes	5	5

^aMedium Water Contract Required Detection Limits (CRDL) for Volatile HSL Compounds are 100 times the individual Low Water CRDL.

^bMedium Soil/Sediment Contract Required Detection Limits (CRDL) for Volatile HSL Compounds are 100 times the individual Low Soil/Sediment CRDL.

**HAZARDOUS SUBSTANCE LIST (HSL) AND
CONTRACT REQUIRED DETECTION LIMITS (CRDL)****

<u>Semi-Volatiles</u>	<u>Detection Limits*</u>	
	<u>Low Water^c</u> ug/L	<u>Low Soil/Sediment^d</u> ug/Kg
36. Phenol	10	330
37. Bis(2-Chloroethyl) Ether	10	330
38. 2-Chlorophenol	10	330
39. 1,3-Dichlorobenzene	10	330
40. 1,4-Dichlorobenzene	10	330
41. Benzyl Alcohol	10	330
42. 1,2-Dichlorobenzene	10	330
43. 2-Methylphenol	10	330
44. Bis(2-Chloroisopropyl) Ether	10	330
45. 4-Methylphenol	10	330
46. N-Nitroso-Dipropylamine	10	330
47. Hexachloroethane	10	330
48. Nitrobenzene	10	330
49. Isophorone	10	330
50. 2-Nitrophenol	10	330
51. 2,4-Dimethylphenol	10	330
52. Benzoic Acid	50	1600
53. Bis(2-Chloroethoxy) Methane		
54. 2,4-Dichlorophenol	10	330
55. 1,2,4-Trichlorobenzene	10	330
56. Naphthalene	10	330
57. 4-Chloroaniline	10	330
58. Hexachlorobutadiene	10	330
59. 4-Chloro-3-Methylphenol (Para-Chloro-Meta-Cresol)	10	330
60. 2-Methylnaphthalene	10	330
61. Hexachlorocyclopentadiene	10	330
62. 2,4,6-Trichlorophenol	10	330
63. 2,4,6-Trichlorophenol	50	1600
64. 2-Chloronaphthalene	10	330
65. 2-Nitroaniline	50	1600
66. Dimethyl Phthalate	10	330
67. Acenaphthylene	10	330
68. 3-Nitroaniline	50	1600

**HAZARDOUS SUBSTANCE LIST (HSL) AND
CONTRACT REQUIRED DETECTION LIMITS (CRDL)****

<u>Semi-Volatiles</u>		<u>Detection Limits*</u>	
		<u>Low Water^c</u> ug/L	<u>Low Soil/Sediment^d</u> ug/Kg
69.	Acenaphthene	10	330
70.	2,4-Dinitrophenol	50	1600
71.	4-Nitrophenol	50	1600
72.	Dibenzofuran	10	330
73.	2,4-Dinitrotoluene	10	330
74.	2,6-Dinitrotoluene	10	330
75.	Diethylphthalate	10	330
76.	4-Chlorophenyl Phenyl Ether	10	330
77.	Fluorene	10	330
78.	4-Nitroaniline	50	1600
79.	4,6-Dinitro-2-Methylphenol	50	1600
80.	N-nitrosodiphenylamine	10	330
81.	4-Bromophenyl Phenyl Ether	10	330
82.	Hexachlorobenzene	10	330
83.	Pentachlorophenol	50	1600
84.	Phenanthrene	10	330
85.	Anthracene	10	330
86.	Di-n-Butylphthalate	10	330
87.	Fluoranthene	10	330
88.	Pyrene	10	330
89.	Butyl Benzyl Phthalate	10	330
90.	3,3'-Dichlorobenzidine	20	660
91.	Benzo(a)Anthracene	10	330
92.	Bis(2-Ethylhexyl)Phthalate	10	330
93.	Chrysene	10	330
94.	Di-n-Octyl Phthalate	10	330
95.	Benzo(b)Fluoranthene	10	330
96.	Benzo(k)Fluoranthene	10	330
97.	Benzo(a)Pyrene	10	330
98.	Indeno(1,2,3-cd)Pyrene	10	330
99.	Dibenz(a,h)Anthracene	10	330
100.	Benzo(g,h,i)Perylene	10	330

^cMedium Water Contract Required Detection Limits (CRDL) for Semi-Volatile HSL Compounds are 100 times the individual Low Water CRDL.

^dMedium Soil/Sediment Contract Required Detection Limits (CRDL) for Semi-Volatile HSL Compounds are 60 times the individual Low Soil/Sediment CRDL.

**HAZARDOUS SUBSTANCE LIST (HSL) AND
CONTRACT REQUIRED DETECTION LIMITS (CRDL)****

<u>Pesticides</u>	<u>Detection Limits*</u>	
	<u>Low Water^e</u> ug/L	<u>Low Soil/Sediment^f</u> ug/Kg
101. Alpha-BHC	0.05	8.0
102. Beta-BHC	0.05	8.0
103. Delta-BHC	0.05	8.0
104. Gamma-BHC (Lindane)	0.05	8.0
105. Heptachlor	0.05	8.0
106. Aldrin	0.05	8.0
107. Heptachlor Epoxide	0.05	8.0
108. Endosulfan I	0.05	8.0
109. Dieldrin	0.10	16.0
110. 4,4'-DDE	0.10	16.0
111. Endrin	0.10	16.0
112. Endosulfan II	0.10	16.0
113. 4,4'-DDD	0.10	16.0
114. Endosulfan Sulfate	0.10	16.0
115. 4,4'-DDT	0.10	16.0
116. Endrin Ketone	0.10	16.0
117. Methoxychlor	0.5	80.0
118. Chlordane	0.5	80.0
119. Toxaphene	1.0	160.0
120. AROCLOR-1016	0.5	80.0
121. AROCLOR-1221	0.5	80.0
122. AROCLOR-1232	0.5	80.0
123. AROCLOR-1242	0.5	80.0
124. AROCLOR-1248	0.5	80.0
125. AROCLOR-1254	1.0	160.0
126. AROCLOR-1260	1.0	160.0

^eMedium Water Contract Required Detection Limits (CRDL) for Pesticide HSL Compounds are 100 times the individual Low Water CRDL.

^fMedium Soil/Sediment Contract Required Detection Limits (CRDL) for Pesticide HSL Compounds are 15 times the individual Low Soil/Sediment CRDL.

*Detection limits listed for soil/sediment are based on wet weight. The detection limits calculated by the laboratory for soil/sediment, calculated on dry weight basis, as required by the contract, will be higher.

**Specific detection limits are highly matrix dependent. The detection limits listed herein are provided for guidance and may be exceeded and/or may not always be achievable.

APPENDIX E

APPENDIX E

WELL LOG DATA

OWNER: NYSDEC BORING NO: - WELL NO: SMW-1 SHEET 1 OF 2
 ADDRESS: Niagara Falls, New York DATE STARTED: 11/17/86 DATE COMPLETED 11/18/86

SOIL IDENTIFICATION

Number of Blows Per 6" On Sampler
 Sample Type 6" On Sampler Moisture Density Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
 From/To Sample 0-6 6-12 12-18 Consist. Depth
 (ft.) /18-24

Location:	93rd Street	0-2	SS	2	3	5/8	Moist	8"	1.5' Recovery topsoil; silt and clay, dark brown with roots and wood; 10" clay, gray with reddish mottling.
Drilling Company:	School	2-4	SS	10	12	16/18	Moist Dense	2'	Clay, brown with red and gray, less mottling.
Driller:	R&R International.	4-6	SS	5	9	16/17	Moist Medium Dense		Clay, brown with red and gray, less mottling.
Drilling Method:	Martin Furhmann	6-8	SS	10	16	20/23	Dry Dense		Clay, brown with red and gray, less mottling, some fractures.
Sampling Method:	HSA	8-10	SS	2	4	5/5	Wet Stiff		Clay, reddish brown with gray streaks.
Samples Examined By:	Joan Ingrassia	REMARKS:							
Reference Point:	Grade								
Well Construction	Stainless Steel								
Screen Type:	2" Slot No:0.010"								
Diam:	19.59-9.59								
Setting (BGL):	Setting (Elevation):562.88-552.88								
Riser Elevation:	574.13								
Protector Elevation:	--								
Gravel Pack Size:	#30 Flint Shot								
Protector:	5'-4" Dia. Steel								
Static Water Level:	ND								
Riser Stick-Up (AGL):	1.66								
Protector Stick-Up:	1.92								

SAMPLE TYPE	PROPORTIONS USED	SUMMARY		140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER				DRILLING METHOD			
		Earth Boring	Rock Coring	Cohesionless	Density	Consistency					
AR= Air Return	Trace	0 To 10%	0 To 10%	0 - 10	Loose	0 - 4	Soft	HSA=Hollow Stem Auger			
C = Cored	Little	10 To 20%	0 To 20%	10 - 30	Med. Dense	4 - 8	Med. Stiff	Cd = Casing Drive			
W = Washed	Some	20 To 35%	0 To 35%	30 - 50	Dense	8 - 15	Stiff	Cs = Casing Spin			
SS= Split Spoon	And	35 To 50%	0 To 50%	50+	Very Dense	15 - 30	Very Stiff	Ar = Air Rotary			
TP= Test Pit						30+	Hard	Rb = Rotary Bit			
A = Auger Flight								Cb = Core Barrel			

OWNER: NYSDEC BORING NO: -- WELL NO: SMW-1 SHEET 2 OF 2
ADDRESS: Niagara Falls, New York DATE STARTED: 11/17/86 DATE COMPLETED 11/18/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of

Number of Blows Per 6" On Sampler Moisture Density Or

From/To Sample 0-6 6-12 12-18 Consist. Depth Fracturing

/18-24

10-12	SS	2	3	3/4	Wet Med. Stiff		Clay, reddish brown with gray streaks.
12-14	SS	WOR	WOH	/6	Soft Wet		Clay, reddish brown with gray streaks.
14-16	SS	WOH	WOH	WOH	Wet Soft		Clay, brown; some red and gray lenses.
16-18	SS	WOH	2	1/1	Wet Soft		Clay, brown; some red and gray lenses.
19	-	-	-	-	-		Bottom of boring.

REMARKS:

Location: 93rd Street
School
Drilling Company: R&R International
Driller: Martin Furhmann
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: Joan Ingrassia
Reference Point: Grade
Well Construction
Screen Type: Stainless Steel
Diam: 2" Slot No: 0.010"
Setting (BGL): 19.59-9.59
Setting (Elevation): 562.88-552.88
Riser Elevation: 574.13
Protector Elevation: --
Gravel Pack Size: #30 Flint Shot
Protector: 5'-4" Dia. Steel
Static Water Level: ND
Riser Stick-Up (AGL): 1.66
Protector Stick-Up: 1.92

DRILLING METHOD

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

SUMMARY

PROPORTIONS USED

AR= Air Return Trace 0 To 10%
C = Cored Little 10 To 20%
W = Washed Some 20 To 35%
SS= Split Spoon And 35 To 50%
TP= Test Pit
A = Auger Flight
HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, New York

BORING NO: - WELL NO: SMW-2 SHEET 1 OF 2
DATE STARTED: 11/10/86 DATE COMPLETED 11/11/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 6 Moisture Density 2 Remarks Include Soil Type, Grain Size, Color, Gradation, Rock Color, Type, Or Change Condition, Hardness, Seams, Degree of Fracturing

Location: 93rd Street

Drilling Company: Property East

Driller: R&R Internation.

Drilling Method: Ed Puccl

Sampling Method: HSA

Samples Examined By: Wayne Thomas

Reference Point: SS

Well Construction: Grade

Screen Type: Stainless Steel

Diam: 2" Slot No: 0.010"

Setting (BGL): 15'-5'

Setting (Elevation): 567.71-557.71

Riser Elevation: 574.13

Protector Elevation: --

Gravel Pack Size: #30 Flint Shot

Protector: 5' Steel-5' Dia.

Static Water Level: ---

Riser Stick-Up (AGL) 1.42

Protector Stick-Up: 1.66

Sample	Type	Of	Number of Blows Per	Moisture Density	Strata Color, Gradation, Rock Color, Type, Or Change Condition, Hardness, Seams, Degree of Fracturing
0-2	SS	2	4	6/8	Medium Dense Molst
2-4	SS	6	4	2/1	Medium Dense Molst
4-6	SS	2	2	4/2	Loose Wet
6-8	SS	2	4	6/7	Soft Wet
8-10	SS	2	3	4/6	Soft Wet

REMARKS: Augered to 15'; bottom of boring; augers left in hole over night; no screen.

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10% Earth Boring 15'
Little 10 To 20% Rock Coring 0
Some 20 To 35% Samples 7
And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff 30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, New York

BORING NO: - WELL NO: SM-2 SHEET 2 OF 2
DATE STARTED: 11/10/86 DATE COMPLETED 11/11/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 18-24 Moisture Density 10 Or Change Condition, Hardness, Seams, Degree of Fracturing

Location:	<u>93rd Street</u>				
Drilling Company:	<u>Property East</u>				
Driller:	<u>R&R Internation.</u>				
Drilling Method:	<u>Ed Pucci</u>				
Sampling Method:	<u>HSA</u>				
Samples Examined By:	<u>Wayne Thomas</u>				
Reference Point:	<u>Grade</u>				
Well Construction	<u>Stainless Steel</u>				
Screen Type:	<u>2" Slot No:0.010"</u>				
Diam:	<u>15'-5'</u>				
Setting (BGL):	<u>567.71-557.71</u>				
Setting (Elevation):	<u>574.13</u>				
Riser Elevation:	<u>--</u>				
Protector Elevation:	<u>#30 Flint Shot</u>				
Gravel Pack Size:	<u>5' Steel-5' Dia.</u>				
Protector:	<u>Static Water Level:</u>				
Riser Stick-Up (AGL):	<u>1.42</u>				
Protector Stick-Up:	<u>1.66</u>				
REMARKS:	<u>Augered to 15'; bottom of boring; augers left in hole over night; no screen.</u>				

SAMPLE TYPE

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

PROPORTIONS USED

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

SUMMARY

Earth Boring 15'
Rock Coring 0
Samples 7
0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense
0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

DRILLING METHOD

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spn
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, New York

BORING NO: - WELL NO: SM-3 SHEET 1 OF 2
DATE STARTED: 11/13/86 DATE COMPLETED 11/14/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows per 6" On Sampler Moisture Density Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 Consist. Depth (ft.) 18-24

0-2	SS	1	2	2/3	Moist to Dry	7"	Topsoil, very fine sand and silt, dark brown with root fibers over clay, gray and red, mottled.
2-4	SS	4	10	14/18	Dry, Med Dense	-	Clay, brown and gray with rusty mottling (weathered).
4-6	SS	3	11	13/17	Dry, Med Dense	-	Clay, Brown and gray, with rusty mottling (weathered).
6-8	SS	4	12	10/15	Dense Dry	6'	Clay, brownish red with some gray lenses, homogeneous.
8-10	SS	2	4	5/6	Moist to Wet, Stiff	-	Clay, brown with gray streaks, pasty.

REMARKS: WOH - Weight of Hammer.

Location: 93rd Street
Drilling Company: School R&R Internation.
Driller: Martin Furlmann
Drilling Method: HSA
Sampling Method: SS
Samples Examined By: Joan Ingrasola
Reference Point: Grade (569')
Well Construction: Stainless Steel
Screen Type: Stainless Steel
Diam: 2" Slot No: 0.010"
Setting (BGL): 19.12-9.12
Setting (Elevation): 563.11-553.11
Riser Elevation: 573.69
Protector Elevation: ---
Gravel Pack Size: #30 Flint Shot
Protector: 5'-4" Dia. Steel
Static Water Level: Slow Recharge ND
Riser Stick-Up (AGL) 1.46
Protector Stick-Up: 1.75

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

Earth Boring 19'
Rock Coring 0
Samples 10

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: - WELL NO: SM-3 SHEET 2 OF 2
ADDRESS: Niagara Falls, New York DATE STARTED: 11/13/86 DATE COMPLETED 11/14/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 12-18 Moisture Density 12-18 Remarks Include Soil Type, Grain Size, Strata Color, Gradation / Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing

From/To Sample 0-6 6-12 12-18 Consist. 18-24 Depth (ft.)

Location:	93rd Street
Drilling Company:	School
Driller:	R&R International.
Drilling Method:	Martin Fuhmann
Sampling Method:	HSA
Samples Examined By:	Joan Ingrassia
Reference Point:	Grade
Well Construction	Stainless Steel
Screen Type:	2" Slot No: 0.010"
Diam:	19.12-9.12
Setting (BGL):	563.11-553.11
Setting (Elevation):	573.69
Riser Elevation:	---
Protector Elevation:	#30 Flint Shot
Gravel Pack Size:	5'-4" Dia. Steel
Protector:	Static Water Level: Slow Recharge ND
Riser Stick-Up (AGL):	1.46
Protector Stick-Up:	1.75
REMARKS:	WOH - Weight of Hammer.
140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER	
Cohesionless Density	
Cohesive Consistency	
DRILLING METHOD	

SAMPLE TYPE	PROPORTIONS USED	SUMMARY	COHESIONLESS DENSITY	COHESIVE CONSISTENCY	DRILLING METHOD
AR= Air Return	Trace 0 To 10%	Earth Boring 19'	0 - 10 Loose	0 - 4 Soft	HSA=Hollow Stem Auger
C = Cored	Little 10 To 20%	Rock Coring 0	10 - 30 Med. Dense	4 - 8 Med. Stiff	Cd = Casing Drive
W = Washed	Some 20 To 35%	Samples 10	30 - 50 Dense	8 - 15 Stiff	Cs = Casing Spin
SS= Split Spoon	And 35 To 50%		50+ Very Dense	15 - 30 Very Stiff	Ar = Air Rotary
TP= Test Pit				30+ Hard	Rb = Rotary Bit
A = Auger Flight					Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, New York

BORING NO: - WELL NO: SM-4 SHEET 1 OF 2
DATE STARTED: 11/11/86 DATE COMPLETED 11/12/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 12-18 Moisture Density 11-11/86 Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 Consist. Depth (ft.) 18-24

0-2	SS	1	2	2/4	Wet Loose	Top- soil 2	Silt, dark gray to black, organic, (fill).
2-4	SS	1	Wght Spn.	1	Wet Soft	---	Silt, dark gray to black, organic, (fill).
4-6	SS	6	5	7/7	Wet Med. Stiff	4.5'	4" Silt, black (organic): clay, tan brown, mottled at 4.5' (native mat'1.)
7-9	SS	2	3	5/7	Wet Med. Stiff	---	Clay, tan brown, mottled with red brown streaks.
9-11	SS	1	1	1/	Wet Soft	---	Clay, tan brown, mottled with red brown streaks.
11-13	SS	1	2	3/5	Wet Soft	---	Clay, tan brown, uniform color.

REMARKS: Stick-up measured relative to top of gravel pad.

Location: 93rd Street
School R&R Internation.
Drilling Company: Ed Pucci
Driller: HSA
Drilling Method: SS
Sampling Method: SS
Samples Examined By: Wayne Thomas
Reference Point: Grade
Well Construction Stainless Steel
Screen Type: 2" Slot No: 0.010"
Diam: 13.58-3.58
Setting (BGL): 569.92-559.92
Setting (Elevation): 574.87
Riser Elevation: --
Protector Elevation: --
Gravel Pack Size: #30 Flint Shot
Protector: 5'-4" Dia. Steel
Static Water Level: ND
Riser Stick-Up (AGL) 1.37
Protector Stick-Up: 1.58

PROPORTIONS USED: Trace 0 To 10% Earth Boring 15' Cohesionless Density 140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Little 10 To 20% Rock Coring 0 Cohesive Consistency DRILLING METHOD
Some 20 To 35% Samples 7 30 - 50 Dense 4 - 8 Med. Stiff Cd = Casing Drive
And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff Ar = Air Rotary
TP = Test Pit Hard 30+ Rb = Rotary Bit
A = Auger Flight Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, New York

BORING NO: - WELL NO: SMW-4 SHEET 2 OF 2
DATE STARTED: 11/11/86 DATE COMPLETED: 11/12/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 12-18 Moisture Density 18-24
Depths Of 18-24 Or Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 Consist. Depth

Location:	93rd Street
Drilling Company:	School
Driller:	R&R Internation.
Drilling Method:	Ed Puccl
Sampling Method:	HSA
Samples Examined By:	SS
Reference Point:	Wayne Thomas
Well Construction:	Grade
Screen Type:	Stainless Steel
Diam: 2" Slot No:	0.010"
Setting (BGL):	13.58-3.58
Setting (Elevation):	569.92-559.92
Riser Elevation:	574.87
Protector Elevation:	---
Gravel Pack Size:	#30 Filmt Shot
Protector:	5'-4" Dia. Steel
Static Water Level:	ND
Riser Stick-Up (AGL):	1.37
Protector Stick-Up:	1.58

13-15	SS	2	1	3/4	Wet Soft	---	Clay, tan brown, grading to red brown at tip of spoon.
15	-	-	-	-	-	---	Bottom of boring.

REMARKS: Stick-up measured relative to top of gravel pad.

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return	Trace	0 To 10%	Earth Boring	15'	0 - 10 Loose	0 - 4 Soft	HSA=Hollow Stem Auger
C = Cored	Little	10 To 20%	Rock Coring	0	10 - 30 Med. Dense	4 - 8 Med. Stiff	Cd = Casting Drive
W = Washed	Some	20 To 35%	Samples	7	30 - 50 Dense	8 - 15 Stiff	Cs = Casting Spln
SS= Split Spoon	And	35 To 50%			50+ Very Dense	15 - 30 Very Stiff	Ar = Air Rotary
TP= Test Pit						30+ Hard	Rb = Rotary Bit
A = Auger Flight							Cb = Core Barrel

BORING NO: WELL NO: SM-5 SHEET 1 OF 2
DATE STARTED: 11/17/86 DATE COMPLETED 11/18/86

Sample Depths	Type Of	Number of Blows per		Moisture Density	Remarks
		6" On Sampler	12-18		
From/To Sample	0-6	6-12	12-18	Consist.	Depth Fracturing

93rd Street

R&R International.

Martin Fuchmann

HSA

SS

:Joan Ingrassia

Grade

Stainless Steel

010.0:

15.46-3.46

508.49-508.49

313.49

[illegible]

#30 FINE SNOB

C-4 DIA. SLEEV

END

[illegible]

PROPORTIONS USED

Trace 0 To 10%

Little 10 to 20%

And 35 To 50%

(ft.)		10-24					
0-2	SS	2	4	6/10	Moist Medium Dense	6"	Topsoil 3", dark brown, clay, red brn, weathered w/gray lenses; and silt; trace coarse gravel, sub-rounded.
2-4	SS	7	7	9/10	Dry Med. Dense	3'	Clay, gray with mottling.
4-6	SS	2	5	7/14	Moist	-	Silt gray, wet layered with clay, red brown (approximately 4" layers).
6-8	SS	14	20	30/32	Moist		Silt gray, wet layered with clay, red brown (approximately 4" layers).
8-10	SS	4	6	7/8	Moist	8'	Clay, brownish red.
10-12	SS	3	3	4/4	Wet	-	Clay, brownish red.

REMARKS: Augered to 16'; 16' bottom of boring; WOH = Weight Of Hammer.

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

Earth Boring 16'

Samples

0 - 10 Loose

30 - 50 Dense

3

0 - 4	Soft
4 - 8	Med
8 - 12	Stiff

8 - 15 Stiff

30+ Hard

HSA=Hollow stem angel
Cd = Castne Drive

Cs = Casting SpIn

Rb = Rotary Bit

OWNER: NYSDEC BORING NO: SM-5 SHEET 2 OF 2
ADDRESS: Niagara Falls, New York DATE STARTED: 11/17/86 DATE COMPLETED 11/18/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows per 18-24 Moisture Density Or Change Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing

Location: 93rd Street

Drilling Company: School

Driller: R&R Internation.

Drilling Method: Martin Furhmann

Sampling Method: HSA

Samples Examined By: Joan Ingrassia

Reference Point: Grade

Well Construction

Screen Type: Stainless Steel

Diam: 2" Slot No: 0.010"

Setting (BGL): 15.46-5.46

Setting (Elevation): 568.49-558.49

Riser Elevation: 575.49

Protector Elevation: --

Gravel Pack Size: #30 Flint Shot

Protector: 5'-4" Dia. Steel

Static Water Level: ND

Riser Stick-Up (AGL) --

Protector Stick-Up: --

Sample	Type	6" On Sampler	Number of Blows per	Moisture Density	Or Change	Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing
12-14	SS	4	3	2/2	Wet	12' Clay, brown and tiny silt lenses, brown roots 12 to 13'; clay, brown.
14-16	SS	WOH	WOH	WOH/2	Wet	-- Clay, brown with red lenses; little silt.
REMARKS: Augered to 16'; 16' bottom of boring; WOH = Weight Of Hammer.						

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10% Earth Boring 16'
Little 10 To 20% Rock Coring -
Some 20 To 35% Samples -
And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff 30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: — WELL NO: SMW-6 SHEET 1 OF 2
 ADDRESS: Niagara Falls, New York DATE STARTED: 11/18/86 DATE COMPLETED 11/19/86

SOIL IDENTIFICATION

Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Density, Change Condition, Hardness, Seams, Degree of Fracturing

Sample Type		Number of Blows Per 6" On Sampler		Moisture Density Or Change Condition, Hardness, Seams, Degree of		Depth		Fracturing	
Sample	Depth	Type	Of	Density	Or	Change	Condition	Hardness	Seams, Degree of
From/To Sample 0-6 6-12 12-18 Consist. Depth (ft.)									
0-2	SS	1	2	2/8	Moist	4"	Topsoil 4", very fine sand, tan, trace clay.		
2-4	SS	8	10	10/11	Dry		Very fine sand, tan, trace clay and roots, tip of spoon clay, reddish brn.		
4-6	SS	6	9	13/19	Dry Med. Dense	4'	Clay, brown with gray, red lenses with fractures.		
6-8	SS	15	24	24/22	Dry Very Dense		Clay, brown with gray, red lenses with fractures.		
8-10	SS	3	4	5/5	Moist Stiff		Clay, brown with gray, red lenses, without fractures.		
REMARKS:									

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

COHESIONLESS DENSITY COHESIVE CONSISTENCY

DRILLING METHOD

AR= Air Return
 C = Cored
 W = Washed
 SS= Split Spoon
 TP= Test Pit
 A = Auger Flight

Trace 0 To 10%
 Little 10 To 20%
 Some 20 To 35%
 And 35 To 50%

Earth Boring 19.75'
 Rock Coring 0
 Samples 9

0 - 10 Loose
 10 - 30 Med. Dense
 30 - 50 Dense
 50+ Very Dense

0 - 4 Soft
 4 - 8 Med. Stiff
 8 - 15 Stiff
 15 - 30 Very Stiff
 30+ Hard

HSA=Hollow Stem Auger
 Cd = Casing Drive
 Cs = Casing Spin
 Ar = Air Rotary
 Rb = Rotary Bit
 Cb = Core Barrel

BORING NO: --- WELL NO: SM-6 SHEET 2 OF 2
DATE STARTED: 11/18/86 DATE COMPLETED 11/19/86

Location: @ 10' off Set

SOIL IDENTIFICATION					
	Number of Blows per	Moisture	Remarks Include Soil Type, Grain Size,		
Sample	Type	Density	Strata Color, Gradation, Rock Color, Type,		
Of	6" On Sampler	Or	Change Condition, Hardness, Seams, Degree of		
From/To Sample	0-6	6-12	12-18	Consist.	Depth
(ft.)	Fracturing				
	/13-24				

Driller: **Martin Fuhmann**

Sampling Method:

Samples Examined By: Joan Ingrassia

Reference Point: **Grade**

Well Construction

Screen Type: Stainless Steel

Diam: 2" Slot No: 0.010"

Setting (BGL): 19.67-9.67

Setting (Elevation): 563.37-553.37

Riser Elevation: 574.43

Protector Elevation: _____

Gravel Pack Size: #30 Flint Shot

Protector: 5'-4" Dia. Steel

Static Water Level: ND

Riser Stick-Up (AGL) 1.39'

Protector Stick-Up: 1.70"

DRILLING METHOD

HSA=Hollow Stem Auger

Cd = Casting Drive

Cs = Casting Spn

Ar = Air Rotary

KB - KOLALY BIL

Cb = Core Barrel

BORING NO: -- WELL NO: SM-7 SHEET 1 OF 3
DATE STARTED: 11/14/86 DATE COMPLETED 11/14/86

SOIL IDENTIFICATION			
Sample Depths	Type Of	Number of Blows Per 6" On Sampler	Moisture Density Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
From/To (ft.)	Sample 0-6	6-12 12-18 18-24	Consist. Depth

NW Corner Front

R&R Internation.

Martin Fuchmann

HSA

55

Joan Ingrassia

Grade

Stainless Steel

0.010"

19.83'-9.83'

564.25-554.25

575.33'

#30 Flint Shot

5'-4" Dia. Steel

ND

11.25

1-50

0-2	SS	3	2	4/5	Moist Stiff	4"	Poor recovery, topsoil, v. fine sand, black with roots, trace clay; 6" silt rusty colored; some clay.
2-4	SS	5	5	5/8	Wet Stiff	3'	Silt, some clay, rusty brown; 2" organic silt with one gravel sub- rounded; silt and clay, reddish brown with roots and twigs.
4-6	SS	5	9	14/20	Dry Very Stiff	Approx 4.5'	.5' Silt and clay, brown and gray; 1.5' solid, dry clay, red, with frac- tures, rusty brown color.
6-8	SS	14	19	16/33	Dry Dense		Clay, red, trace brown & gray streaks, fracturs.

REMARKS:

PROPORTIONS USED

Cohesionless Density Cohesive Consistency

DRILLING METHOD

Trace 0 To 10%

Little 10 to 20%

Alle	20	10	50%
Somme	35	70	50%

11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 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
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525
 526
 527
 528
 529
 530
 531
 532
 533

HSA=Hollow Stem Auger
Cd = CasIng Drive
Cs = CasIng Spln
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

OWNER: NYSDEC BORING NO: --- WELL NO: SMW-7 SHEET 2 OF 3
ADDRESS: Niagara Falls, New York DATE STARTED: 11/14/86 DATE COMPLETED 11/14/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 10/14 Moisture 10/14 Density 10/14 Strata Color, Gradation, Rock Color, Type, Or Change Condition, Hardness, Seams, Degree of Fracturing

Location: NW Corner Front

Drilling Company: R&R Internation.

Driller: Martin Furhmann

Drilling Method: HSA

Sampling Method: SS

Samples Examined By: Joan Ingrassia

Reference Point: Grade

Well Construction

Screen Type: Stainless Steel

Diam: 2" Slot No: 0.010"

Setting (BGL): 19.83'-9.83'

Setting (Elevation): 564.25-554.25

Riser Elevation: 575.33'

Protector Elevation: --

Gravel Pack Size: #30 Flint Shot

Protector: 5'-4" Dia. Steel

Static Water Level: ND

Riser Stick-Up (AGL) 1.25

Protector Stick-Up: 1.50

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return Trace 0 To 10% Earth Boring 20' 0 - 10 Loose 0 - 4 Soft HSA=Hollow Stem Auger
C = Cored Little 10 To 20% Rock Coring 0 10 - 30 Med. Dense 4 - 8 Med. Stiff Cd = Casing Drive
W = Washed Some 20 To 35% Samples 10 30 - 50 Dense 8 - 15 Stiff Cs = Casing Spn
SS= Split Spoon And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff Ar = Air Rotary
TP= Test Pit Rb = Rotary Bit
A = Auger Flight Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, New York

BORING NO: — WELL NO: SMW-7 SHEET 3 OF 3
DATE STARTED: 11/14/86 DATE COMPLETED 11/14/86

SOIL IDENTIFICATION

Number of Blows Per 6" On Sampler
Sample Type Of Depths
Moisture Density Or Strata Color, Gradation, Rock Color, Type, Change Condition, Hardness, Seams, Degree of Fracturing
From/To Sample 0-6 6-12 12-18 Consist. Depth (ft.)

Location:	NW Corner Front
Drilling Company:	Parking Lot
Driller:	R&R International.
Drilling Method:	Martin Fuhmann
Sampling Method:	HSA
Samples Examined By:	SS
Reference Point:	Grade
Well Construction	
Screen Type:	Stainless Steel
Diam: 2" Slot No:	0.010"
Setting (BGL):	19.83'-9.83'
Setting (Elevation):	564.25-554.25
Riser Elevation:	575.33'
Protector Elevation:	---
Gravel Pack Size:	#30 Flint Shot
Protector:	5'-4" Dia. Steel
Static Water Level:	ND
Riser Stick-Up (AGL):	1.25
Protector Stick-Up:	1.50

18-20	SS	WOH	WOH	2/2	Wet Soft	18.5'	.5' Clay, trace silt, brown, homogeneous, full recovery; over medium sand and clay, little gravel, sub-rounded, red brown.
20							Bottom of boring.

REMARKS: WOH = Weight of Hammer

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER

COhesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return	Trace	0 To 10%	Earth Boring	20'	0 - 10 Loose	0 - 4 Soft	HSA=Hollow Stem Auger
C = Cored	Little	10 To 20%	Rock Coring	0	10 - 30 Med. Dense	4 - 8 Med. Stiff	Cd = Casing Drive
W = Washed	Some	20 To 35%	Samples	10	30 - 50 Dense	8 - 15 Stiff	Cs = Casing Spin
SS= Split Spoon	And	35 To 50%			50+ Very Dense	15 - 30 Very Stiff	Ar = Air Rotary
TP= Test Pit						30+ Hard	Rb = Rotary Bit
A = Auger Flight							Cb = Core Barrel

OWNER: NYSDEC
ADDRESS: Niagara Falls, New York

BORING NO: --- WELL NO: SM-8 SHEET 1 OF 2
DATE STARTED: 11/18/86 DATE COMPLETED 11/19/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Number of Blows Per 18-24 Moisture Density Or Change Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Fracturing

Location: NE Corner of

Drilling Company: School Property

Driller: R&R Internation.

Drilling Method: Edward Pucci

Sampling Method: HSA

Samples Examined By: SS

Reference Point: Thomas/Ingrassia

Well Construction: Grade

Screen Type: Stainless Steel

Diam: 2" Slot No:0.010"

Setting (BGL): 19.21-9.21

Setting (Elevation): 564.94-554.94

Riser Elevation: 575.81'

Protector Elevation: --

Gravel Pack Size: #30 Flint Shot

Protector: 5'-4" Dia. Steel

Static Water Level: ND

Riser Stick-Up (AGL) 1.66'

Protector Stick-Up: 1.92'

0-2	SS	2	2	5/7	Moist Loose	10"	10" Topsoil, very fine sand some clay; black; silt, gray, rusty brown, mottling, trace clay.
2-4	SS	7	9	10/15	Dry Med. Dense	3.5'	Silt with gray and rusty lenses; in tip of spoon, clay, red brn. (native).
4-6	SS	9	15	20/29	Dry Very Dense		Clay, red brown with fractures and gray lenses (native).
6-8	SS	19	30	30/30	Dry Very Dense		Clay, red brown with fractures and gray lenses, sample moist in tip of spoon (native).
8-10	SS	4	4	6/6	Moist Stiff		Clay, brown (native).
REMARKS:							

REMARKS:

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

DRILLING METHOD

AR= Air Return
C = Cored
W = Washed
SS= Split Spoon
TP= Test Pit
A = Auger Flight

Trace 0 To 10%
Little 10 To 20%
Some 20 To 35%
And 35 To 50%

Earth Boring 18'
Rock Coring 0
Samples 9

0 - 10 Loose
10 - 30 Med. Dense
30 - 50 Dense
50+ Very Dense

0 - 4 Soft
4 - 8 Med. Stiff
8 - 15 Stiff
15 - 30 Very Stiff
30+ Hard

HSA=Hollow Stem Auger
Cd = Casing Drive
Cs = Casing Spin
Ar = Air Rotary
Rb = Rotary Bit
Cb = Core Barrel

BORING NO: --- WELL NO: SM-8 SHEET 2 OF 2
DATE STARTED: 11/18/86 DATE COMPLETED 11/19/86

SOIL IDENTIFICATION

SOIL IDENTIFICATION	
Remarks Include Soil Type, Grain Size, Strata Color, Gradation, Rock Color, Type, Condition, Hardness, Seams, Degree of Change	

6-12	12-18	Const.	Depth	Fracturing
1000	1000	1000	1000	1000

47-811

17	01			
----	----	--	--	--

NE Corner of

School Property

Drilling Company:

Driller: Edward Puccl

Drilling Method: HSA

Sampling Method:

Samples Examined By: Thomas/Ingrassia

Reference Point: Grade

Well Construction

Screen Type: Stainless Steel

Diam: 2" Slot No: 0.010"

Setting (BGL): 19.21-9.21

Setting (Elevation): 364.94-334.94

RISEI EVALUATION: 2/2.01

PROTECTOR EVALUATION.

51-61141-6001

Static Water Level: ND

Riser Stick-Up (AGL) 1.66'

Protector Stick-Up: 1.92'

REMARKS:

10-12	SS	3	3	3/4	Wet Stiff		Clay, brown with gray streaks, grading to red brown at tip of spoon (native).
12-14	SS	3	3	2/3	Wet Med. Stiff		Clay, red brown.
14-16	SS	2	2	3/4	Wet Med. Stiff		Clay, brown; trace silt.
16-18	SS	3	5	6/10	Stiff		Silt, red brown, little fine gravel, sub-rounded, (fill?).
18							Bottom of boring.

140 LB. WT. X 30" FALL ON 2" O.D. SAMPLER

Cohesionless Density Cohesive Consistency

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

DRILLING METHOD

AR= Air Return

C = Cored Little 10 To 20%

W = Washed	Some	20 To 35%
------------	------	-----------

SS= Split Spoon And 35 To 50%

TP= Test PIt

A = Auger Flight

HSA=Hollow Stem Auger

Cd = Casting Drive

CS = Casting Spl.

At = Alt Kolary

Kb = Kotary BIE
Ch = Core Panel

OWNER: NYSDEC BORING NO: --- WELL NO: SM-9 SHEET 1 OF 2
 ADDRESS: Niagara Falls, New York DATE STARTED: 11/12/86 DATE COMPLETED 11/13/86

SOIL IDENTIFICATION

Number of Blows Per Moisture Density Strata Color, Gradation, Rock Color, Type, Or Change Condition, Hardness, Seams, Degree of Fracturing

Sample Type 6" On Sampler From/To Sample 0-6 6-12 12-18 Consist. Depth 18-24 (ft.)

Sample Depths	Type	Blows	Per	Moisture	Density	Strata	Color, Gradation, Rock Color, Type, Or Change Condition, Hardness, Seams, Degree of Fracturing
0-2	SS	1	2	2/1	Medium Stiff	6"	Topsoil, 6", clay, dark brown, trace silt and root matter over clay, brown with rusty mottling.
2-4	SS	3	5	7/10	Dry Med. Dense	3'	1' Clay, brown with rusty mottling, over 1' clay, pinkish w/little v. fine sand v. dry and dense, white mottling.
4-6	SS	7	10	16/18	Dry Dense		Clay, reddish brown with gray clay streaks; trace gravel.
6-8	SS	8	9	6/5	Wet Dense		Clay, reddish brown with gray clay streaks; no gravel.
8-10	SS	5	7	3/5	Wet Dense		Clay, red and gray streaked, very pasty; wet, homogeneous.

REMARKS:

Location: 93rd Street
 School School
 Drilling Company: R&R Internation.
 Driller: Martin Furhmann
 Drilling Method: HSA
 Sampling Method: SS
 Samples Examined By: Joan Ingrasias
 Reference Point: Grade (572')
 Well Construction Stainless Steel
 Screen Type: 2" Slot No: 0.010"
 Diam: 16.09-6.09
 Setting (BGL): 567.41-557.41
 Setting (Elevation): 575.87
 Riser Elevation: ---
 Protector Elevation: ---
 Gravel Pack Size: #30 Flint Shot
 Protector: 5'-4" Dia. Steel
 Static Water Level: ND
 Riser Stick-Up (AGL) 1.37'
 Protector Stick-Up: 1.50'

SAMPLE TYPE PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return Trace 0 To 10% Earth Boring 16' 0 - 10 Loose 0 - 4 Soft HSA=Hollow Stem Auger
 C = Cored Little 10 To 20% Rock Coring 0 10 - 30 Med. Dense 4 - 8 Med. Stiff Cd = Casings Drive
 W = Washed Some 20 To 35% Samples 8 30 - 50 Dense 8 - 15 Stiff Cs = Casings Spln
 SS= Split Spoon And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff Ar = Air Rotary
 TP= Test Pit Hard 30+ Rb = Rotary Bit
 A = Auger Flight Cb = Core Barrel

OWNER: NYSDEC BORING NO: --- WELL NO: SM-9 SHEET 2 OF 2
 ADDRESS: Niagara Falls, New York DATE STARTED: 11/12/86 DATE COMPLETED 11/13/86

SOIL IDENTIFICATION

Sample Type 6" On Sampler Moisture Density Strata Color, Gradation, Rock Color, Type, Depths Of Or Change Condition, Hardness, Seams, Degree of From/To Sample 0-6 6-12 12-18 18-24 Consist. Depth Fracturing (ft.)

Location:	<u>93rd Street</u>					
Drilling Company:	<u>School</u>					
Driller:	<u>R&R Internation.</u>					
Drilling Method:	<u>Martin Furhmann</u>					
Sampling Method:	<u>HSA</u>					
Samples Examined By:	<u>Joan Ingrassia</u>					
Reference Point:	<u>Grade (572')</u>					
Well Construction	<u>Stainless Steel</u>					
Screen Type:	<u>2" Slot No:0.010"</u>					
Diam:	<u>16.09-6.09</u>					
Setting (BGL):	<u>575.87</u>					
Setting (Elevation):	<u>567.41-557.41</u>					
Riser Elevation:	<u>--</u>					
Protector Elevation:	<u>#30 Flint Shot</u>					
Gravel Pack Size:	<u>5'-4" Dia. Steel</u>					
Protector:	<u>ND</u>					
Static Water Level:	<u>1.37'</u>					
Riser Stick-Up (AGL):	<u>1.50'</u>					
Protector Stick-Up:						

REMARKS:

10-12	SS	1	1	1/1	Wet Dense	Clay, red and gray streaked, very pasty; wet, homogeneous.
12-14	SS	2	1	3/2	Wet Dense	Clay, red and gray streaked, very pasty; wet, homogeneous.
14-16	SS	3	7	4	Wet Dense	Clay, red and gray streaked, very pasty; wet, homogeneous.
16						Bottom of boring.

SAMPLE TYPE

PROPORTIONS USED

SUMMARY

140 LB. WT. x 30" FALL ON 2" O.D. SAMPLER
 Cohesionless Density Cohesive Consistency

DRILLING METHOD

AR= Air Return Trace 0 To 10% Earth Boring 16' 0 - 10 Loose 0 - 4 Soft HSA=Hollow Stem Auger
 C = Cored Little 10 To 20% Rock Coring 0 10 - 30 Med. Dense 4 - 8 Med. Stiff Cd = Casing Drive
 W = Washed Some 20 To 35% Samples 8 30 - 50 Dense 8 - 15 Stiff Cs = Casing Spin
 SS= Split Spoon And 35 To 50% 50+ Very Dense 15 - 30 Very Stiff Ar = Air Rotary
 TP= Test Pit 30+ Hard Rb = Rotary Bit
 A = Auger Flight Cb = Core Barrel

APPENDIX F

GROUNDWATER MONITORING FIELD DATA SHEETS

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/11/86; Sampled 12/12/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-1
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cold, Cloudy, Teens
9. Distance from Top of Well Riser Pipe to Groundwater: 13.46'
10. Total Depth of Well from Top of Riser Pipe: 21.25'
11. Height of Standing Water Column in Well: 7.79'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 3.83 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample Number	Sample Container Types & Sizes	Preservative(s)	Analytical Parameters
2371	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well: Slightly Cloudy

20. Field Measurements:

pH 7.30
 Temperature 9°C
 Conductivity 1320 umhos

21. Comments:

HNU Meter Reading: .4 ppm
 Background: .4 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/11/86; Sampled 12/11/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-2
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Partly Cloudy, Cold
9. Distance from Top of Well Riser Pipe to Groundwater: 2.08'
10. Total Depth of Well from Top of Riser Pipe: 16.42'
11. Height of Standing Water Column in Well: 14.33'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 7.05 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample Number		<u>Sample Container Types & Sizes</u>	<u>Preservative(s)</u>	<u>Analytical Parameters</u>
2388	A	1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B	3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C	1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D	2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well: Slightly Cloudy - Yellow

20. Field Measurements:

pH 6.60
 Temperature 7.8°C
 Conductivity 1000 umhos

21. Comments:

HNU Meter Reading: 0.4 ppm Vol.
 Background Reading: 0.4 ppm Vol.

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/11/86; Sampled 12/12/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-3
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cold, Cloudy
9. Distance from Top of Well Riser Pipe to Groundwater: 3.42'
10. Total Depth of Well from Top of Riser Pipe: 20.58'
11. Height of Standing Water Column in Well: 17.16'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 8.45 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample			Analytical
Number	Sample Container Types & Sizes	Preservative(s)	Parameters
2389	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well: Slightly Cloudy

20. Field Measurements:

pH 7.17
 Temperature 9.1°C
 Conductivity 1190 umhos

21. Comments:

Good Clear Purgate H₂O
 Good Recharge - Some Brown Fines
 HNU Reading 0.4 ppm
 Background 0.4 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/11/86; Sampled 12/11/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-4
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Partly Cloudy, Cold
9. Distance from Top of Well Riser Pipe to Groundwater: 2.20'
10. Total Depth of Well from Top of Riser Pipe: 14.95'
11. Height of Standing Water Column in Well: 12.76'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 6.27 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample		<u>Preservative(s)</u>	<u>Analytical Parameters</u>
<u>Number</u>	<u>Sample Container Types & Sizes</u>		
2390	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well: Cloudy Gray (Organics)

20. Field Measurements:

pH	<u>6.70</u>
Temperature	<u>7.9°C</u>
Conductivity	<u>700 umhos</u>

21. Comments:

Good Clear Purgate
 HNU Reading: 0.3 ppm
 Background: 0.3 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/10/86; Sampled 12/12/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-5
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cold, Partly Cloudy
9. Distance from Top of Well Riser Pipe to Groundwater: 2.75'
10. Total Depth of Well from Top of Riser Pipe: 17.0'
11. Height of Standing Water Column in Well: 14.25'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 7.01 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample			Analytical
Number	Sample Container Types & Sizes	Preservative(s)	Parameters
2391	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well: Slightly Cloudy

20. Field Measurements:

pH 6.78
 Temperature 9°C
 Conductivity 450 umhos

21. Comments:

HNU Reading: 0.5 ppm
 Background: 0.5 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/10/86; Sampled 12/11/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-6
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cold, Windy
9. Distance from Top of Well Riser Pipe to Groundwater: 14.12'
10. Total Depth of Well from Top of Riser Pipe: 21.06'
11. Height of Standing Water Column in Well: 6.94'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 3.41 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample			Analytical
Number	Sample Container Types & Sizes	Preservative(s)	Parameters
2392	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well: Slightly Cloudy
20. Field Measurements:

pH 6.87
 Temperature 9°C
 Conductivity 610 umhos

21. Comments:

HNU Reading: 0.4 ppm
 Background: 0.4 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/10/86; Sampled 12/11/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-7
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cold, Sunny
9. Distance from Top of Well Riser Pipe to Groundwater: 5.5'
10. Total Depth of Well from Top of Riser Pipe: 21.08'
11. Height of Standing Water Column in Well: 15.58'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 7.66 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample Number	Sample Container Types & Sizes	Preservative(s)	Analytical Parameters
2393	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well:

20. Field Measurements:

pH 7.35
 Temperature 9.8
 Conductivity 590 umhos

21. Comments:

HNU Well Reading: 0.5 ppm
 HNU Background: 0.5 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/11/86; Sampled 12/12/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-8
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cloudy, Cool
9. Distance from Top of Well Riser Pipe to Groundwater: 7.12'
10. Total Depth of Well from Top of Riser Pipe: 20.87'
11. Height of Standing Water Column in Well: 13.75'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 6.765 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample Number		Sample Container Types & Sizes	Preservative(s)	Analytical Parameters
2394	A	1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B	3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C	1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D	2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well:

20. Field Measurements:

pH 7.50
 Temperature 10°
 Conductivity 455 umhos

21. Comments:

HNU Well: 0.4 ppm
 HNU Background: 0.4 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/11/86; Sampled 12/12/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): SMW-9
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cold, Cloudy
9. Distance from Top of Well Riser Pipe to Groundwater: 2.83'
10. Total Depth of Well from Top of Riser Pipe: 17.46'
11. Height of Standing Water Column in Well: 14.63'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 7.19 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample			
<u>Number</u>	<u>Sample Container Types & Sizes</u>	<u>Preservative(s)</u>	<u>Analytical Parameters</u>
2395	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well:

20. Field Measurements:

pH 7.27
 Temperature 5.8°C
 Conductivity 925 umhos

21. Comments:

HNU Well: 0.4
 HNU Background: 0.4

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/11/86; Sampled 12/11/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): Well No. 7135
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Partly Cloudy, Cold
9. Distance from Top of Well Riser Pipe to Groundwater: 10.08'
10. Total Depth of Well from Top of Riser Pipe: 28.93'
11. Height of Standing Water Column in Well: 18.85'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 9.27 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample			Analytical
Number	Sample Container Types & Sizes	Preservative(s)	Parameters
2396	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well:

20. Field Measurements:

pH 6.57
 Temperature 10°C
 Conductivity 550 umhos

21. Comments:

HNU Well: 0.3 ppm
 HNU Background: 0.3 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/10/86; Sampled 12/11/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): Well No. 7140
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cold, Windy, Partly Cloudy
9. Distance from Top of Well Riser Pipe to Groundwater: 8.92'
10. Total Depth of Well from Top of Riser Pipe: 28.37'
11. Height of Standing Water Column in Well: 19.45'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 9.57 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample Number	Sample Container Types & Sizes	Preservative(s)	Analytical Parameters
2397	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well:

20. Field Measurements:

pH 6.84
 Temperature 10°C
 Conductivity 590 umhos

21. Comments:

HNU Well: 0.5 ppm
 HNU Background: 0.5 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/11/86; Sampled 12/11/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): E.C. Jordan 7145
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: 20's, Cloudy
9. Distance from Top of Well Riser Pipe to Groundwater: 4.46'
10. Total Depth of Well from Top of Riser Pipe: 28.50'
11. Height of Standing Water Column in Well: 24.04'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 11.72 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well Sample		<u>Preservative(s)</u>	<u>Analytical Parameters</u>
<u>Number</u>	<u>Sample Container Types & Sizes</u>		
2398	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well: Clear

20. Field Measurements:

pH 7.30
 Temperature 9.5°C
 Conductivity 420 umhos

21. Comments:

Recharge: Fair to Poor
 HNU Well: 0.5 ppm
 HNU Background: 0.5 ppm

GROUNDWATER MONITORING FIELD DATA SHEET

1. Date of Sample Collection: Purged 12/10/86; Sampled 12/11/86
2. Project Name: NYSDEC
3. Project Location: 93rd Street School
4. Name of Person Performing Sampling: W. Thomas/C. Wolff
5. Monitoring Well Designation (Number): Well No. 7150
6. Upgradient or Down Gradient Well: Not Determined at Time of Sampling
7. Appearance of Well Surface Components: Good
8. Weather Conditions: Cold, Partly Cloudy
9. Distance from Top of Well Riser Pipe to Groundwater: 6.16'
10. Total Depth of Well from Top of Riser Pipe: 28.66'
11. Height of Standing Water Column in Well: 22.5'
12. Diameter of Well Screen and Riser Pipe: 2"
13. Method of Well Purging: Peristaltic Pump
14. Volume of Water Purged (Evacuated): 11.07 Gallons
15. Method(s) of Sample Collection: Bailer-Peristaltic Pump
16. Material Type of Sampler(s): Stainless Steel and Tygon Tubing
17. Are Samples Filtered: Yes - Metals
18. Sample Description(s):

Well			
Sample			
<u>Number</u>	<u>Sample Container Types & Sizes</u>	<u>Preservative(s)</u>	<u>Analytical Parameters</u>
2399	A 1-1/2 Gallon Clear Glass	Na ₂ S ₂ O ₂ - Refrig.	Dioxin
	B 3-40 ml. Glass Vials	Unprep. - Refrig.	Vol. Pri. Pol.
	C 1-1 Liter Plastic Bottle	HNO ₃ - Refrig.	Metals
	D 2-1 Liter Amber Glass Bottles	Unprep. - Refrig.	B/N/A, Pest., PCB

19. Appearance of Samples from this Well: Cloudy, Dark Gray, Organics

20. Field Measurements:

pH 7.30
 Temperature 9°
 Conductivity 500 umhos

21. Comments:

Good Recharge
 HNU Well: 0.5 ppm
 HNU Background: 0.5 ppm

APPENDIX G

DRAWING G-1

SITE PLAN GROUNDWATER CONTOURS

APPENDIX H

APPENDIX H

SUMMARIES OF FIRST AND SECOND ROUND LABORATORY RESULTS

SOILS AND SEDIMENTS

Inorganics
Volatile Organic Compounds
Base/Neutral/Acid Compounds
Pesticides/PCBs
Dioxin

AQUEOUS

Inorganics
Volatile Organic Compounds
Base/Neutral/Acid Compounds
Pesticides/PCBs
Dioxin

SOIL INORG.

APPENDIX H
SUMMARY OF LABORATORY RESULTS
INORGANICS
SOILS AND SEDIMENTS

FOOTNOTES:

- [xxxx] - If the result is a value greater than or equal to the instrument detection limit but less than the contract-required detection limit, the value is reported in brackets (i.e., [10]).
- u - Indicates element was analyzed for but not detected. Values are reported with the instrument detection limit value (e.g., 10U).
- E - Indicates a value estimated or not reported due to the presence of interference.
- s - Indicates value determined by Method of Standard Addition.
- n - Indicates spike sample recovery is not within control limits.
- * - Indicates duplicate analysis is not within control limits.
- +
- Indicates the correlation coefficient for method of standard addition is less than 0.995.
- M - Indicates duplicate injection results exceeded control limits.

ALUMINUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	11100	1P10A	16500
1P1B	8840	1P10B	6010
1P1C	7040	1P10C	11600
1P1D	10100	1P10D	14200
1P1E	1980	1P10E	12200
		1P10F	15100
1P2A	7260		
1P2B	5600	1P11A	13000
1P2C	15900	1P11C	9680
1P2D	13000	1P11D	12200
1P2E	10600	1P11E	11400
1P3A	11800	1P12A	10600
1P3B	8780	1P12B	15400
1P3C	15300	1P12C	13100
1P3E	13600		
1P3F	12200	1P13A	19700
		1P13B	12200
1P4A	8530	1P13C	10200
1P4B	6710	1P13D	14500
1P4C	11700		
1P4D	11700	1P15A	6290
1P4E	8120	1P15C	13200
1P4F	10700	1P15D	14600
		1P15E	11400
1P5A	9980	1P15F	16700
1P5B	6720		
1P5C	6770	1P16A	4850
1P5D	7100	1P16B	4450
		1P16C	4200
1P6A	8710	1P16D	5480
1P6C	15000	1P16E	4780
1P6D	15300		
		1P17A	13800
1P8A	4400	1P17B	17900
1P8B	11900	1P17C	12500
1P8C	9620		
1P8D	9620		
1P8E	12600		
1P8F	12300		
1P9A	6070		
1P9B	7680		
1P9C	6820		
1P9D	11500		
1P9E	10500		
1P9F	15100		

ANTIMONY DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	18u	1P10A	67
1P1B	15u	1P10B	[17]
1P1C	23u	1P10C	33
1P1D	17u	1P10D	46
1P1E	15u	1P10E	49
		1P10F	51
1P2A	17u		
1P2B	39n	1P11A	14u
1P2C	72n	1P11C	50
1P2D	56n	1P11D	16u
1P2E	39	1P11E	15u
1P3A	20u	1P12A	52n
1P3B	45n	1P12B	76n
1P3C	60n	1P12C	66n
1P3E	59n		
1P3F	48n	1P13A	92
		1P13B	56
1P4A	86.2n	1P13C	48
1P4B	209n	1P13D	47
1P4C	34.4n		
1P4D	26.5n	1P15A	41n
1P4E	27.1n	1P15C	44n
1P4F	24.1n	1P15D	75n
		1P15E	30n
1P5A	15u	1P15F	44n
1P5B	56.6n		
1P5C	24.4n	1P16A	22.6n*
1P5D	87.0n	1P16B	24.2n*
		1P16C	25.6n*
1P6A	21	1P16D	56.3n*
1P6C	58	1P16E	41.3n*
1P6D	43		
		1P17A	48n
1P8A	13n*	1P17B	76n
1P8B	30.5n*	1P17C	48n
1P8C	22.0n*		
1P8D	33.2n*		
1P8E	37.5n*		
1P8F	52n		
1P9A	34		
1P9B	52		
1P9C	30		
1P9D	36		
1P9E	31		
1P9F	65		

ANTIMONY
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)
2P-103	0-0.5	12u	2P-129	0-0.5	12un
	0.5-2.5	12u	2P-130	0-0.5	12un
2P-104	0-0.5	12u	2P-131	0-0.5	12un
	0.5-2.5	12u	2P-135	0-0.5	12un
	2.5-4.5	12u		0.5-2.5	12un
2P-108	0-0.5	12u		2.5-4.5	12un
	0.5-2.5	12u		4.5-6.5	12un
2P-109	0-0.5	12u	2P-136	0-0.5	12un
	0.5-2.5	12u	2P-138	0-0.5	12un
2P-114	0-0.5	12u		0.5-2.5	12un
	0.5-2.5	12un		2.5-4.5	12un
	2.5-3.5	12un		4.5-6.5	12un
2P-114A	4.5-6.5	12un	2P-139	0-0.5	12un
2P-115	0-0.5	12un		0.5-2.5	12un
	0.5-2.5	12un		2.5-4.5	12un
	4.5-6.5	12un	2P-140	0-0.5	12un
2P-116	0-0.5	12un		0.5-2.5	12un
	0.5-2.5	12un		2.5-4.5	12un
	2.5-4.5	12un	2P-141	0-0.5	12un
2P-119	0-0.5	12un	2P-143	0-0.5	12un
	0.5-2.5	12un		0.5-2.5	12un
	2.5-4.5	12un		2.5-4.5	12un
2P-120	0-0.5	12un		4.5-6.5	12un
	0.5-2.5	12un	2P-144	0-0.5	12un
	2.5-4.5	12un		0.5-2.5	12un
	5.0-7.0	12un		2.5-4.5	12un
2P-121	0-0.5	12un	2P-148	0-0.5	12un
	0.5-2.5	12un	2P-152	0-0.5	12un
	2.5-4.5	123n	2P-153	0-0.5	12un
2P-122	0-0.5	12un		0.5-2.5	12un
	0.5-2.5	12un		2.5-4.5	12un
2P-126	0-0.5	12un	2P-154	0-0.5	12un
2P-127	0-0.5	12un	2P-155	0-0.5	12un
2P-128	0-0.5	12un		0.5-2.5	12un
	0.5-2.5	12un		2.5-4.5	12un
	2.5-4.5	12un	2P-157	0-0.5	12un
			2P-158	0-0.5	12un
			SD-1	0-0.5	12un
			SD-2	0-0.5	12un
			SD-3	0-0.5	12un

ARSENIC DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	3.3s	1P10A	4.5s
1P1B	7.0s	1P10B	53s
1P1C	83s	1P10C	7.7s
1P1D	5.2s	1P10D	51s
1P1E	4.1s	1P10E	8.3s
		1P10F	6.4s
1P2A	4.5s		
1P2B	15sn	1P11A	3.5s
1P2C	4.4sn	1P11C	[2.0]s
1P2D	7.9sn	1P11D	[2.2]s
1P2E	8.2s	1P11E	11s
1P3A	5.3s	1P12A	4.6sn
1P3B	18sn	1P12B	2.7sn
1P3C	26sn	1P12C	3.8sn
1P3E	6.6sn		
1P3F	6.2sn	1P13A	5.8s
		1P13B	5.1s
1P4A	2.3u	1P13C	3.9s
1P4B	2.1u	1P13D	[2.3]s
1P4C	32.9		
1P4D	350	1P15A	2.9sn
1P4E	6.3+s	1P15C	71sn
1P4F	6.9u	1P15D	23sn
		1P15E	3.3sn
1P5A	6.7s	1P15F	5u
1P5B	4.7+s		
1P5C	2.4u	1P16A	5.9s
1P5D	2.6	1P16B	6.0s
		1P16C	4.3s
1P6A	14s	1P16D	5.0s
1P6C	[2.2]s	1P16E	2.3u
1P6D	3.1s		
		1P17A	4.2sn
1P8A	3.9s	1P17B	3.1sn
1P8B	9.5	1P17C	[1.9]sn
1P8C	4.8s		
1P8D	7.8+s		
1P8E	8.3		
1P8F	5.3ns		
1P9A	[1.8]s		
1P9B	96s		
1P9C	105s		
1P9D	81s		
1P9E	5.7s		
1P9F	4.3s		

ARSENIC
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)
2P-103	0-0.5	26*	2P-129	0-0.5	4.7n
	0.5-2.5	45*	2P-130	0-0.5	3.3n
2P-104	0-0.5	5.3*	2P-131	0-0.5	3.5n
	0.5-2.5	4.9*	2P-135	0-0.5	52*
	2.5-4.5	4.1*		0.5-2.5	26*
2P-108	0-0.5	6.3*		2.5-4.5	42*
	0.5-2.5	3.8*		4.5-6.5	24*
2P-109	0-0.5	6.0*	2P-136	0-0.5	6.8n
	0.5-2.5	3.8*	2P-138	0-0.5	42
2P-114	0-0.5	4.0*		0.5-2.5	27
	0.5-2.5	40*		2.5-4.5	34
	2.5-3.5	6.4*		4.5-6.5	3.9
2P-114A	4.5-6.5	7.1*	2P-139	0-0.5	14
2P-115	0-0.5	3.3*		0.5-2.5	59
	0.5-2.5	7.3*		2.5-4.5	16
	4.5-6.5	43*	2P-140	0-0.5	44
2P-116	0-0.5	4.8*		0.5-2.5	60
	0.5-2.5	5.7*		2.5-4.5	55
	2.5-4.5	4.4*	2P-141	0-0.5	6.5ns
2P-119	0-0.5	3.5*	2P-143	0-0.5	21s
	0.5-2.5	31*s		0.5-2.5	26
	2.5-4.5	40*		2.5-4.5	20
2P-120	0-0.5	4.6*		4.5-6.5	2.9u
	0.5-2.5	7.5*	2P-144	0-0.5	14
	2.5-4.5	7.2*s		0.5-2.5	33
	5.0-7.0	14*		2.5-4.5	12
2P-121	0-0.5	3.5	2P-148	0-0.5	3.2n
	0.5-2.5	16	2P-152	0-0.5	3.9n
	2.5-4.5	37	2P-153	0-0.5	5.1ns
2P-122	0-0.5	11n		0.5-2.5	4.6ns
	0.5-2.5	9.0n		2.5-4.5	9.9n
2P-126	0-0.5	4.2n	2P-154	0-0.5	5.1n
2P-127	0-0.5	3.0n	2P-155	0-0.5	4.3n
2P-128	0-0.5	4.8n		0.5-2.5	3.0ns
	0.5-2.5	7.8ns		2.5-4.5	3.0n
	2.5-4.5	6.2n	2P-157	0-0.5	4.0n
			2P-158	0-0.5	4.1ns
			SD-1	0-0.5	4.0ns
			SD-2	0-0.5	5.0ns
			SD-3	0-0.5	5.6ns

BARIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	115	1P10A	111
1P1B	56	1P10B	59
1P1C	79	1P10C	89
1P1D	56u	1P10D	198
1P1E	49u	1P10E	78
		1P10F	58
1P2A	76		
1P2B	62	1P11A	65
1P2C	99	1P11C	62
1P2D	82	1P11D	96
1P2E	68	1P11E	64
1P3A	126	1P12A	93
1P3B	177	1P12B	111
1P3C	354	1P12C	95
1P3E	167		
1P3F	56	1P13A	97
		1P13B	47
1P4A	150n	1P13C	44u
1P4B	82.5n	1P13D	71
1P4C	565n		
1P4D	469n	1P15A	43
1P4E	117n	1P15C	312
1P4F	144n	1P15D	103
		1P15E	[50]
1P5A	67	1P15F	72
1P5B	150n		
1P5C	78.2n	1P16A	62.8n
1P5D	87.2n	1P16B	60.5n
		1P16C	88.6n
1P6A	58	1P16D	120n
1P6C	76	1P16E	107n
1P6D	179		
		1P17A	85
1P8A	64.7n	1P17B	153
1P8B	186n	1P17C	89
1P8C	66.2n		
1P8D	86.8n		
1P8E	268n		
1P8F	67		
1P9A	46u		
1P9B	195		
1P9C	265		
1P9D	143		
1P9E	41u		
1P9F	56		

BERYLLIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	[1.2]	1P10A	0.67u
1P1B	[0.74]	1P10B	[0.85]
1P1C	2.6	1P10C	0.76u
1P1D	1.4	1P10D	0.87u
1P1E	[0.73]	1P10E	0.78u
		1P10F	0.76u
1P2A	[1.1]		
1P2B	[1.1]	1P11A	[0.96]
1P2C	1.6	1P11C	0.72u
1P2D	[0.77]	1P11D	[1.1]
1P2E	0.72u	1P11E	[1.0]
1P3A	[1.4]	1P12A	[0.68]
1P3B	[0.91]	1P12B	[0.94]
1P3C	2.3	1P12C	[0.95]
1P3E	[0.94]		
1P3F	[0.80]	1P13A	1.6
		1P13B	0.98u
1P4A	3.4n	1P13C	0.66u
1P4B	1.1n	1P13D	0.71u
1P4C	2.1n		
1P4D	2.3n	1P15A	0.59u
1P4E	[1.2]n	1P15C	2.2
1P4F	[1.0]n	1P15D	1.4
		1P15E	[0.75]
1P5A	[1.0]	1P15F	[0.85]
1P5B	1.2n		
1P5C	[0.73]n	1P16A	[0.75]n
1P5D	[1.1]n	1P16B	[0.72]n
		1P16C	[0.93]n
1P6A	0.80u	1P16D	[1.2]n
1P6C	0.69	1P16E	[0.83]n
1P6D	0.68u		
		1P17A	[0.69]
1P8A	[0.67]n	1P17B	[0.95]
1P8B	1.7n	1P17C	[0.91]
1P8C	[0.66]n		
1P8D	[0.76]n		
1P8E	2.0n		
1P8F	[0.75]		
1P9A	0.69		
1P9B	[1.2]		
1P9C	0.89u		
1P9D	0.97u		
1P9E	0.61u		
1P9F	0.67u		

CADMIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	1.8	1P10A	5.3
1P1B	1.7	1P10B	1.4u
1P1C	2.3	1P10C	3.3
1P1D	2.0	1P10D	4.6
1P1E	[0.98]	1P10E	5.2
		1P10F	5.8
1P2A	1.4		
1P2B	2.1*	1P11A	2.4
1P2C	4.0*	1P11C	1.4
1P2D	3.6*	1P11D	1.6
1P2E	4.3	1P11E	3.3
1P3A	1.7	1P12A	1.3*
1P3B	2.0*	1P12B	2.6*
1P3C	2.7*	1P12C	1.7*
1P3E	3.5*		
1P3F	2.4*	1P13A	6.8
		1P13B	5.4
1P4A	4.5n	1P13C	2.6
1P4B	133n	1P13D	5.2
1P4C	4.8n		
1P4D	3.0n	1P15A	2.4*
1P4E	3.6n	1P15C	4.0*
1P4F	4.8n	1P15D	11*
		1P15E	5.0*
1P5A	2.1	1P15F	4.0*
1P5B	5.4n		
1P5C	3.9n	1P16A	2.8n*
1P5D	3.4n	1P16B	2.9n*
		1P16C	3.5n*
1P6A	2.9	1P16D	8.8n*
1P6C	3.9	1P16E	5.4n*
1P6D	4.3		
		1P17A	4.1*
1P8A	3.6n*	1P17B	6.2*
1P8B	2.8n*	1P17C	1.4*
1P8C	2.6n*		
1P8D	3.3n*		
1P8E	3.5n*		
1P8F	6.0 *		
1P9A	1.6		
1P9B	6.7		
1P9C	2.7		
1P9D	4.2		
1P9E	3.1		
1P9F	6.2		

CADMIUM
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)
2P-103	0-0.5	1.5	2P-129	0-0.5	1.0u
	0.5-2.5	3.7	2P-130	0-0.5	1.3
2P-104	0-0.5	1.0u	2P-131	0-0.5	1.0u
	0.5-2.5	1.0u	2P-135	0-0.5	1.0u
	2.5-4.5	1.0u		0.5-2.5	1.0u
2P-108	0-0.5	1.0u		2.5-4.5	2.3
	0.5-2.5	1.0u		4.5-6.5	1.0u
2P-109	0-0.5	1.0u	2P-136	0-0.5	1.0u
	0.5-2.5	1.0u	2P-138	0-0.5	2.6
2P-114	0-0.5	3.7		0.5-2.5	2.6
	0.5-2.5	2.8		2.5-4.5	1.0u
	2.5-3.5	1.0u		4.5-6.5	1.0u
2P-114A	4.5-6.5	1.0u	2P-139	0-0.5	5.2
2P-115	0-0.5	1.0u		0.5-2.5	1.0u
	0.5-2.5	1.0u		2.5-4.5	1.0u
	4.5-6.5	2.1	2P-140	0-0.5	1.0u
2P-116	0-0.5	1.5		0.5-2.5	1.0u
	0.5-2.5	1.0u		2.5-4.5	1.6
	2.5-4.5	1.0u	2P-141	0-0.5	1.0u
2P-119	0-0.5	1.0u	2P-143	0-0.5	1.0u
	0.5-2.5	1.0u		0.5-2.5	1.0u
	2.5-4.5	1.0u		2.5-4.5	1.0u
2P-120	0-0.5	1.0u		4.5-6.5	2.1
	0.5-2.5	1.0u	2P-144	0-0.5	1.8
	2.5-4.5	1.0u		0.5-2.5	1.4
	5.0-7.0	1.0u		2.5-4.5	1.0u
2P-121	0-0.5	1.3	2P-148	0-0.5	1.0u
	0.5-2.5	1.9	2P-152	0-0.5	1.0u
	2.5-4.5	2.8	2P-153	0-0.5	1.0u
2P-122	0-0.5	1.0u		0.5-2.5	1.0u
	0.5-2.5	1.0u		2.5-4.5	1.0u
2P-126	0-0.5	1.0u	2P-154	0-0.5	1.0u
2P-127	0-0.5	1.0u	2P-155	0-0.5	1.0u
2P-128	0-0.5	1.0u		0.5-2.5	1.0u
	0.5-2.5	1.0u		2.5-4.5	1.0u
	2.5-4.5	1.0u	2P-157	0-0.5	1.0u
			2P-158	0-0.5	1.8
			SD-1	0-0.5	1.0u
			SD-2	0-0.5	1.0u
			SD-3	0-0.5	1.0u

CALCIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	2680	1P10A	89500
1P1B	38300	1P10B	8550
1P1C	8590	1P10C	13200
1P1D	1750	1P10D	11100
1P1E	2020	1P10E	1870
		1P10F	2030
1P2A	6290		
1P2B	34800	1P11A	26700
1P2C	63700	1P11C	24040
1P2D	19200	1P11D	1510
1P2E	1360	1P11E	6320
1P3A	2480	1P12A	24200
1P3B	24900	1P12B	61400
1P3C	15300	1P12C	48000
1P3E	3600		
1P3F	3240	1P13A	2570
		1P13B	3790
1P4A	202000	1P13C	7100
1P4B	68600	1P13D	4090
1P4C	5720		
1P4D	6220	1P15A	44700
1P4E	5840	1P15C	11300
1P4F	5900	1P15D	2900
		1P15E	[940]
1P5A	2130	1P15F	1910
1P5B	45000		
1P5C	19200	1P16A	3630
1P5D	18600	1P16B	8840
		1P16C	8580
1P6A	2270	1P16D	2910
1P6C	32500	1P16E	[883]
1P6D	3010		
		1P17A	20700
1P8A	3360	1P17B	50200
1P8B	21600	1P17C	5450
1P8C	3510		
1P8D	16200		
1P8E	27100		
1P8F	1510		
1P9A	45300		
1P9B	4380		
1P9C	6910		
1P9D	5830		
1P9E	[836]		
1P9F	2780		

CHROMIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	21	1P10A	22
1P1B	516	1P10B	31
1P1C	23	1P10C	40
1P1D	14	1P10D	32
1P1E	2.4u	1P10E	18
		1P10F	20
1P2A	84		
1P2B	58n	1P11A	19
1P2C	18n	1P11C	12
1P2D	23n	1P11D	11
1P2E	17	1P11E	15
1P3A	31	1P12A	23n
1P3B	48n	1P12B	24n
1P3C	17n	1P12C	19n
1P3E	24n		
1P3F	19n	1P13A	14
		1P13B	22
1P4A	14*	1P13C	15
1P4B	336*	1P13D	19
1P4C	34.4*		
1P4D	34.0*	1P15A	9.9n
1P4E	15*	1P15C	11n
1P4F	27.5*	1P15D	23n
		1P15E	15n
1P5A	41	1P15F	21n
1P5B	27.1*		
1P5C	20*	1P16A	37.7
1P5D	21.1*	1P16B	50.8
		1P16C	34.9
1P6A	26	1P16D	31.8
1P6C	21	1P16E	19
1P6D	20		
		1P17A	18n
1P8A	16	1P17B	24n
1P8B	25.0	1P17C	16n
1P8C	59.5		
1P8D	84.2		
1P8E	17		
1P8F	17n		
1P9A	2.3		
1P9B	17		
1P9C	8.9		
1P9D	19		
1P9E	16		
1P9F	212		

COBALT DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	15u	1P10A	[11]
1P1B	12u	1P10B	14u
1P1C	19u	1P10C	13u
1P1D	[14]	1P10D	14u
1P1E	12u	1P10E	13u
		1P10F	15
1P2A	14u		
1P2B	11u	1P11A	12u
1P2C	11u	1P11C	12u
1P2D	13u	1P11D	13u
1P2E	14	1P11E	13u
1P3A	17u	1P12A	11u
1P3B	11u	1P12B	16
1P3C	17u	1P12C	12
1P3E	52		
1P3F	19	1P13A	12u
		1P13B	[11]
1P4A	11un	1P13C	11u
1P4B	11u	1P13D	[12]
1P4C	17n		
1P4D	19un	1P15A	9.9u
1P4E	15un	1P15C	18u
1P4F	17un	1P15D	17
		1P15E	12u
1P5A	13u	1P15F	10u
1P5B	17n		
1P5C	15n	1P16A	12un
1P5D	13n	1P16B	14n
		1P16C	12n
1P6A	13u	1P16D	20n
1P6C	14	1P16E	22.7n
1P6D	11u		
1P8A	18n	1P17A	11u
1P8B	14un	1P17B	12
1P8C	11n	1P17C	11u
1P8D	13un		
1P8E	14un		
1P8F	17		
1P9A	11u		
1P9B	14u		
1P9C	15u		
1P9D	16u		
1P9E	16		
1P9F	18		

COPPER DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	15	1P10A	20
1P1B	20	1P10B	14
1P1C	23	1P10C	15
1P1D	17	1P10D	23
1P1E	9.8	1P10E	18
		1P10F	35
1P2A	14		
1P2B	14*	1P11A	19
1P2C	20*	1P11C	14
1P2D	18*	1P11D	21
1P2E	29	1P11E	44
1P3A	20	1P12A	27*
1P3B	23*	1P12B	24*
1P3C	23*	1P12C	19*
1P3E	19*		
1P3F	16*	1P13A	14
		1P13B	18
1P4A	9.1n*	1P13C	15
1P4B	33.9n*	1P13D	17
1P4C	27.5n*		
1P4D	19un*	1P15A	14*
1P4E	27.1n*	1P15C	26*
1P4F	20.6n*	1P15D	11*
		1P15E	28*
1P5A	21	1P15F	30*
1P5B	27.1n*		
1P5C	22n*	1P16A	27.6n*
1P5D	18n*	1P16B	29.0n*
		1P16C	37.3n*
1P6A	18	1P16D	9.8n*
1P6C	23	1P16E	12n*
1P6D	27		
		1P17A	25 *
1P8A	16n*	1P17B	29*
1P8B	22.2n*	1P17C	18*
1P8C	13n*		
1P8D	20.4n*		
1P8E	20.2n*		
1P8F	35 *		
1P9A	9.2		
1P9B	23		
1P9C	15		
1P9D	26		
1P9E	16		
1P9F	31		

IRON DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	18900	1P10A	29400
1P1B	11700	1P10B	8500
1P1C	8480	1P10C	21000
1P1D	35300	1P10D	37500
1P1E	24u	1P10E	26400
		1P10F	35000
1P2A	12600		
1P2B	8590	1P11A	24300
1P2C	19200	1P11C	16100
1P2D	21900	1P11D	12700
1P2E	43000	1P11E	47700
1P3A	16500	1P12A	23500
1P3B	20000	1P12B	29800
1P3C	34400	1P12C	24000
1P3E	53300		
1P3F	25300	1P13A	21500
		1P13B	24600
1P4A	2630	1P13C	22200
1P4B	3700	1P13D	20600
1P4C	28000		
1P4D	16200	1P15A	11900
1P4E	18100	1P15C	25300
1P4F	21000	1P15D	86600
		1P15E	23400
1P5A	18000	1P15F	19600
1P5B	34000		
1P5C	24400	1P16A	16800
1P5D	21000	1P16B	18300
		1P16C	20000
1P6A	17400	1P16D	72000
1P6C	58	1P16E	32200
1P6D	16900		
		1P17A	25300
1P8A	18700	1P17B	31700
1P8B	19600	1P17C	20400
1P8C	17400		
1P8D	22000		
1P8E	25800		
1P8F	46000		
1P9A	4850		
1P9B	55900		
1P9C	11600		
1P9D	25900		
1P9E	24000		
1P9F	40700		

LEAD DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	16	1P10A	67
1P1B	25s	1P10B	10s
1P1C	13	1P10C	58
1P1D	8.2	1P10D	160
1P1E	10	1P10E	11
		1P10F	76
1P2A	35		
1P2B	51n	1P11A	15s
1P2C	19	1P11C	9.1
1P2D	21s	1P11D	10
1P2E	13	1P11E	16
1P3A	50	1P12A	63n
1P3B	177n	1P12B	76n
1P3C	15	1P12C	64n
1P3E	75n		
1P3F	26s	1P13A	118
		1P13B	63
1P4A	127	1P13C	57
1P4B	14	1P13D	66
1P4C	8.3		
1P4D	13	1P15A	45n
1P4E	114	1P15C	13
1P4F	109	1P15D	101n
		1P15E	13s
1P5A	33	1P15F	57n
1P5B	76.3		
1P5C	12	1P16A	22.7
1P5D	9.2	1P16B	21.5
		1P16C	26.4
1P6A	36	1P16D	80.8
1P6C	58	1P16E	13
1P6D	12		
		1P17A	64n
1P8A	12	1P17B	79n
1P8B	17	1P17C	57n
1P8C	32.2		
1P8D	81.7		
1P8E	25.4		
1P8F	70n		
1P9A	10s		
1P9B	148		
1P9C	6.4		
1P9D	75		
1P9E	13		
1P9F	71		

LEAD
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)
2P-103	0-0.5	40*	2P-129	0-0.5	181
	0.5-2.5	13*	2P-130	0-0.5	17
2P-104	0-0.5	27*	2P-131	0-0.5	33
	0.5-2.5	24*	2P-135	0-0.5	14*
	2.5-4.5	15*		0.5-2.5	8.1*
2P-108	0-0.5	30*		2.5-4.5	9.0*
	0.5-2.5	10*		4.5-6.5	20*
2P-109	0-0.5	36*	2P-136	0-0.5	20
	0.5-2.5	20*	2P-138	0-0.5	13
2P-114	0-0.5	16*		0.5-2.5	9.2s
	0.5-2.5	7.4*		2.5-4.5	14
	2.5-3.5	220*		4.5-6.5	8.6
2P-114A	4.5-6.5	843	2P-139	0-0.5	30
2P-115	0-0.5	27*		0.5-2.5	12
	0.5-2.5	63*		2.5-4.5	19s
	4.5-6.5	30*	2P-140	0-0.5	13
2P-116	0-0.5	17*		0.5-2.5	19
	0.5-2.5	109		2.5-4.5	18
	2.5-4.5	11*	2P-141	0-0.5	31s
2P-119	0-0.5	15*	2P-143	0-0.5	15
	0.5-2.5	12*		0.5-2.5	12
	2.5-4.5	12*		2.5-4.5	7.9
2P-120	0-0.5	15*		4.5-6.5	9.8
	0.5-2.5	28*	2P-144	0-0.5	27s
	2.5-4.5	27*		0.5-2.5	23
	5.0-7.0	23*		2.5-4.5	17
2P-121	0-0.5	25s	2P-148	0-0.5	18s
	0.5-2.5	20s	2P-152	0-0.5	19
	2.5-4.5	82	2P-153	0-0.5	32s
2P-122	0-0.5	191		0.5-2.5	76
	0.5-2.5	81		2.5-4.5	22
2P-126	0-0.5	343	2P-154	0-0.5	27s
2P-127	0-0.5	9.3	2P-155	0-0.5	69
2P-128	0-0.5	19		0.5-2.5	12
	0.5-2.5	26s		2.5-4.5	14
	2.5-4.5	97	2P-157	0-0.5	24s
			2P-158	0-0.5	53
			SD-1	0-0.5	91s
			SD-2	0-0.5	11s
			SD-3	0-0.5	16s

MAGNESIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft., F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	3490*	1P10A	11000*
1P1B	13800*	1P10B	1450*
1P1C	[776]*	1P10C	4300*
1P1D	2960*	1P10D	2710*
1P1E	2670*	1P10E	3440*
		1P10F	4740*
1P2A	4810*		
1P2B	16300	1P11A	8960*
1P2C	20100	1P11C	8790*
1P2D	6270	1P11D	2640*
1P2E	3320*	1P11E	6290*
1P3A	3600*	1P12A	8050
1P3B	8870	1P12B	17900
1P3C	1980	1P12C	11200
1P3E	3830		
1P3F	3980	1P13A	10900*
		1P13B	42000*
1P4A	33900*	1P13C	5090*
1P4B	18100*	1P13D	5160*
1P4C	1960*		
1P4D	[1770]*	1P15A	12200
1P4E	2040*	1P15C	2080
1P4F	3360*	1P15D	2900
		1P15E	3490
1P5A	2670*	1P15F	5570
1P5B	7020*		
1P5C	7960*	1P16A	4770*
1P5D	5110*	1P16B	3990*
		1P16C	3480*
1P6A	2390*	1P16D	2550*
1P6C	9830*	1P16E	4030*
1P6D	4160*		
		1P17A	7850
1P8A	2380*	1P17B	12600
1P8B	3500*	1P17C	3820
1P8C	3980*		
1P8D	5150*		
1P8E	2470*		
1P8F	4230		
1P9A	19100*		
1P9B	[754]*		
1P9C	[1150]*		
1P9D	2240*		
1P9E	3540*		
1P9F	4980*		

MANGANESE DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	593	1P10A	656
1P1B	936	1P10B	85
1P1C	57	1P10C	266
1P1D	269	1P10D	253
1P1E	149	1P10E	298
		1P10F	343
1P2A	409		
1P2B	236n*	1P11A	330
1P2C	536n*	1P11C	230
1P2D	298n*	1P11D	118
1P2E	422	1P11E	273
1P3A	365	1P12A	407n*
1P3B	197n*	1P12B	747n*
1P3C	134n*	1P12C	590n*
1P3E	3000n*		
1P3F	506n*	1P13A	784
		1P13B	396
1P4A	1490n	1P13C	265
1P4B	328n	1P13D	230
1P4C	138n		
1P4D	147n	1P15A	308n
1P4E	406n	1P15C	138n
1P4F	303n	1P15D	1670n
		1P15E	414n*
1P5A	356	1P15F	178n*
1P5B	653n		
1P5C	359n	1P16A	351n*
1P5D	399n	1P16B	641n*
		1P16C	329n*
1P6A	316	1P16D	1480n*
1P6C	593	1P16E	573n*
1P6D	218		
		1P17A	532n*
1P8A	971n*	1P17B	702n*
1P8B	222n*	1P17C	216n*
1P8C	218n*		
1P8D	286n*		
1P8E	320n*		
1P8F	1140n		
1P9A	241		
1P9B	78		
1P9C	68		
1P9D	237		
1P9E	443		
1P9F	672		

MERCURY DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	0.14u	1P10A	0.12u
1P1B	23	1P10B	0.88
1P1C	1.7	1P10C	0.25
1P1D	0.12u	1P10D	0.51
1P1E	0.12u	1P10E	0.13u
		1P10F	0.13u
1P2A	7.6		
1P2B	1.5	1P11A	1.8
1P2C	0.12	1P11C	0.12u
1P2D	0.20	1P11D	21
1P2E	0.11u	1P11E	0.12u
1P3A	0.60	1P12A	0.12u
1P3B	0.48	1P12B	0.11u
1P3C	0.36	1P12C	0.11u
1P3E	0.12u		
1P3F	0.13u	1P13A	0.12u
		1P13B	0.15
1P4A	0.11u	1P13C	0.12u
1P4B	0.1u	1P13D	0.12u
1P4C	0.2u		
1P4D	0.29	1P15A	0.16
1P4E	0.27	1P15C	0.26
1P4F	0.25	1P15D	0.13u
		1P15E	0.12u
1P5A	0.30	1P15F	0.12u
1P5B	0.1u		
1P5C	0.1u	1P16A	0.17
1P5D	0.1u	1P16B	0.14
		1P16C	0.31
1P6A	0.24	1P16D	0.1u
1P6C	0.12u	1P16E	0.1u
1P6D	0.14		
		1P17A	0.12u
1P8A	0.1u	1P17B	0.12u
1P8B	0.66	1P17C	0.12
1P8C	0.1u		
1P8D	0.1u		
1P8E	0.2u		
1P8F	0.12u		
1P9A	0.11u		
1P9B	0.32		
1P9C	0.20		
1P9D	0.15u		
1P9E	0.12u		
1P9F	0.11u		

MERCURY
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (mg/kg)
2P-103	0-0.5	0.12	2P-129	0-0.5	0.21
	0.5-2.5	0.14	2P-130	0-0.5	0.1u
2P-104	0-0.5	0.1u	2P-131	0-0.5	0.1u
	0.5-2.5	0.1u	2P-135	0-0.5	0.40
	2.5-4.5	0.1u		0.5-2.5	0.17
2P-108	0-0.5	0.10		2.5-4.5	0.22
	0.5-2.5	0.1u		4.5-6.5	-- †
2P-109	0-0.5	0.13	2P-136	0-0.5	0.1u
	0.5-2.5	0.1u	2P-138	0-0.5	1.7
2P-114	0-0.5	0.1u		0.5-2.5	0.22
	0.5-2.5	0.12		2.5-4.5	0.50
	2.5-3.5	1.2		4.5-6.5	0.24
2P-114A	4.5-6.5	0.57	2P-139	0-0.5	0.16
2P-115	0-0.5	0.1u		0.5-2.5	0.98
	0.5-2.5	0.17		2.5-4.5	0.69
	4.5-6.5	0.1u	2P-140	0-0.5	0.45
2P-116	0-0.5	0.1u		0.5-2.5	0.25
	0.5-2.5	0.26		2.5-4.5	0.56
	2.5-4.5	0.1u	2P-141	0-0.5	0.22
2P-119	0-0.5	0.1u	2P-143	0-0.5	0.19
	0.5-2.5	0.11		0.5-2.5	0.41
	2.5-4.5	0.15		2.5-4.5	0.28
2P-120	0-0.5	0.93		4.5-6.5	0.1u
	0.5-2.5	2.7	2P-144	0-0.5	0.42
	2.5-4.5	0.27		0.5-2.5	0.26
	5.0-7.0	0.18		2.5-4.5	0.1u
2P-121	0-0.5	0.1u	2P-148	0-0.5	0.1u
	0.5-2.5	0.1u	2P-152	0-0.5	0.1u
	2.5-4.5	4.6	2P-153	0-0.5	0.17
2P-122	0-0.5	0.34		0.5-2.5	0.19
	0.5-2.5	0.30		2.5-4.5	0.1u
2P-126	0-0.5	0.1u	2P-154	0-0.5	0.1u
2P-127	0-0.5	0.1u	2P-155	0-0.5	0.14
2P-128	0-0.5	0.27		0.5-2.5	0.1u
	0.5-2.5	0.1u		2.5-4.5	0.1u
	2.5-4.5	0.1u	2P-157	0-0.5	0.1u
			2P-158	0-0.5	0.1u
			SD-1	0-0.5	0.40
			SD-2	0-0.5	0.1u
			SD-3	0-0.5	0.1u

†Not enough sample for analysis

NICKEL DATA
NYSDEC - RI/FS 93rd Street School

SOIL SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	24	1P10A	27
1P1B	24	1P10B	20
1P1C	30	1P10C	20
1P1D	34	1P10D	21
1P1E	19	1P10E	28
		1P10F	38
1P2A	22		
1P2B	11	1P11A	31
1P2C	18	1P11C	21
1P2D	15	1P11D	27
1P2E	34	1P11E	41
1P3A	31	1P12A	23
1P3B	18	1P12B	33
1P3C	20	1P12C	24
1P3E	40		
1P3F	29	1P13A	24
		1P13B	31
1P4A	18n*	1P13C	24
1P4B	17n*	1P13D	31
1P4C	41.3n*		
1P4D	41.6n*	1P15A	22
1P4E	30.1n*	1P15C	29
1P4F	41.3n*	1P15D	40
		1P15E	35
1P5A	28	1P15F	36
1P5B	41.9n*		
1P5C	31.8n*	1P16A	27.6
1P5D	31.7n*	1P16B	26.6
		1P16C	44.3
1P6A	13	1P16D	39.1
1P6C	25	1P16E	31.0
1P6D	16		
		1P17A	37
1P8A	26.8	1P17B	43
1P8B	25.0	1P17C	18
1P8C	22.0		
1P8D	28.1		
1P8E	26.0		
1P8F	47		
1P9A	9.2u		
1P9B	20		
1P9C	12u		
1P9D	23		
1P9E	22		
1P9F	47		

POTASSIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft., B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	[836]	1P10A	3120
1P1B	[457]	1P10B	[551]
1P1C	[473]	1P10C	1300
1P1D	[639]	1P10D	[1130]
1P1E	244u	1P10E	[866]
		1P10F	1620
1P2A	[508]		
1P2B	[702]	1P11A	[1160]
1P2C	1580	1P11C	[755]
1P2D	[1280]	1P11D	[541]
1P2E	[765]	1P11E	[758]
1P3A	[1240]	1P12A	1320
1P3B	[1050]	1P12B	2720
1P3C	[1090]	1P12C	1660
1P3E	[1020]		
1P3F	[760]	1P13A	1310
		1P13B	[934]
1P4A	[1060]*	1P13C	[722]
1P4B	[778]*	1P13D	[698]
1P4C	[1420]*		
1P4D	[1680]*	1P15A	[550]
1P4E	[869]*	1P15C	[1130]
1P4F	[1180]*	1P15D	[1080]
		1P15E	[804]
1P5A	[1020]	1P15F	1320
1P5B	3550*		
1P5C	1300*	1P16A	[949]*
1P5D	1330*	1P16B	[748]*
		1P16C	[823]*
1P6A	[605]	1P16D	[1010]*
1P6C	2060	1P16E	1100*
1P6D	1390		
		1P17A	1410
1P8A	[683]*	1P17B	2350
1P8B	[1180]*	1P17C	[760]
1P8C	[953]*		
1P8D	[868]*		
1P8E	[1150]*		
1P8F	1380		
1P9A	[354]		
1P9B	[780]		
1P9C	[688]		
1P9D	[1050]		
1P9E	[754]		
1P9F	1200		

SELENIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	1.5u	1P10A	1.2u
1P1B	1.2u	1P10B	1.8s
1P1C	4.1s	1P10C	1.2u
1P1D	1.2u	1P10D	1.5u
1P1E	1.2u	1P10E	1.2u
		1P10F	1.3u
1P2A	1.5u		
1P2B	1.1un	1P11A	1.2u
1P2C	1.1un	1P11C	1.1u
1P2D	1.3un	1P11D	1.2u
1P2E	1.1u	1P11E	1.2u
1P3A	1.7u	1P12A	1.1un
1P3B	1.2un	1P12B	1.2un
1P3C	1.6un	1P12C	1.1un
1P3E	1.3un		
1P3F	1.2un	1P13A	1.1u
		1P13B	1.2u
1P4A	2.3un	1P13C	1.1u
1P4B	2.2un	1P13D	1.2u
1P4C	3.6un		
1P4D	4.1un	1P15A	1.1un
1P4E	3.1un	1P15C	2.3sn
1P4F	3.4un	1P15D	1.4un
		1P15E	1.2un
1P5A	1.3u	1P15F	1.1un
1P5B	2.4un		
1P5C	2.4un	1P16A	2.4un
1P5D	2.6un	1P16B	2.4un
		1P16C	2.4un
1P6A	1.3u	1P16D	2.2un
1P6C	1.2u	1P16E	2.3un
1P6D	1.2u		
		1P17A	1.2un
1P8A	2.3un	1P17B	1.2un
1P8B	2.6un	1P17C	1.2un
1P8C	2.6un		
1P8D	2.4un		
1P8E	3.3un		
1P8F	1.2un		
1P9A	1.0u		
1P9B	1.5u		
1P9C	1.4u		
1P9D	1.7u		
1P9E	1.2u		
1P9F	1.1u		

SILVER DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1 ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	3.0u	1P10A	[2.2]
1P1B	2.4u	1P10B	[2.8]
1P1C	3.8u	1P10C	2.5
1P1D	2.8u	1P10D	[2.9]
1P1E	2.4u	1P10E	2.6u
		1P10F	2.5u
1P2A	2.8u		
1P2B	2.3un	1P11A	2.4u
1P2C	2.2un	1P11C	2.3u
1P2D	2.6un	1P11D	2.7u
1P2E	2.4u	1P11E	2.6u
1P3A	3.4u	1P12A	2.3un
1P3B	2.3un	1P12B	2.4un
1P3C	3.3un	1P12C	2.4un
1P3E	2.4un		
1P3F	2.7un	1P13A	2.4u
		1P13B	2.2u
1P4A	2.3un	1P13C	2.2u
1P4B	2.1un	1P13D	2.4u
1P4C	3.4un		
1P4D	3.8un	1P15A	2.0un
1P4E	3.0un	1P15C	3.7un
1P4F	3.4un	1P15D	2.9un
		1P15E	2.5un
1P5A	2.6u	1P15F	2.1un
1P5B	2.5un		
1P5C	2.4un	1P16A	2.5un
1P5D	2.6un	1P16B	2.4un
		1P16C	2.3un
1P6A	[2.6]	1P16D	2.4un
1P6C	2.3u	1P16E	2.1un
1P6D	2.3u		
		1P17A	2.3un
1P8A	2.2un	1P17B	2.4un
1P8B	2.8un	1P17C	2.3un
1P8C	2.2un		
1P8D	2.6un		
1P8E	2.9un		
1P8F	2.5un		
1P9A	2.3u		
1P9B	2.9u		
1P9C	3.0		
1P9D	3.2		
1P9E	2.0u		
1P9F	2.2		

SODIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	304u	1P10A	[485]
1P1B	246u	1P10B	[421]
1P1C	378u	1P10C	[296]
1P1D	283u	1P10D	[526]
1P1E	[318]	1P10E	259u
		1P10F	[269]
1P2A	280u		
1P2B	230u	1P11A	241u
1P2C	[249]	1P11C	[242]
1P2D	260u	1P11D	268u
1P2E	241u	1P11E	258u
1P3A	341u	1P12A	230u
1P3B	230u	1P12B	230u
1P3C	[705]	1P12C	240u
1P3E	240u		
1P3F	270u	1P13A	[284]
		1P13B	224u
1P4A	[745]	1P13C	219u
1P4B	[410]	1P13D	249u
1P4C	[658]		
1P4D	[779]	1P15A	200u
1P4E	300u	1P15C	[690]
1P4F	340u	1P15D	290u
		1P15E	[320]
1P5A	[593]	1P15F	[220]
1P5B	250u		
1P5C	240u	1P16A	250u
1P5D	260u	1P16B	240u
		1P16C	230u
1P6A	265u	1P16D	240u
1P6C	231u	1P16E	210u
1P6D	227u		
		1P17A	230u
1P8A	220u	1P17B	240u
1P8B	[397]	1P17C	230u
1P8C	220u		
1P8D	260u		
1P8E	[652]		
1P8F	250u		
1P9A	230u		
1P9B	[419]		
1P9C	[378]		
1P9D	[432]		
1P9E	205u		
1P9F	223u		

THALLIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	1.5u	1P10A	1.2u
1P1B	1.2u	1P10B	1.4u
1P1C	3.7u	1P10C	1.2u
1P1D	1.2u	1P10D	1.5u
1P1E	1.2u	1P10E	1.2u
		1P10F	1.3u
1P2A	1.5u		
1P2B	1.1u	1P11A	1.2u
1P2C	1.1u	1P11C	1.1u
1P2D	1.3u	1P11D	1.2u
1P2E	1.1u	1P11E	1.2u
1P3A	1.7u	1P12A	1.1u
1P3B	1.2u	1P12B	1.2u
1P3C	1.6u	1P12C	1.1u
1P3E	1.3u		
1P3F	1.2u	1P13A	1.1u
		1P13B	1.2u
1P4A	2.3u	1P13C	1.1u
1P4B	2.2u	1P13D	1.2u
1P4C	3.6u		
1P4D	4.1u	1P15A	1.1u
1P4E	3.1u	1P15C	1.8u
1P4F	3.4u	1P15D	1.4u
		1P15E	1.2u
1P5A	1.3u	1P15F	1.1u
1P5B	2.4u		
1P5C	2.4u	1P16A	2.4u
1P5D	2.6u	1P16B	2.4u
		1P16C	2.4u
1P6A	1.3u	1P16D	2.2u
1P6C	1.2u	1P16E	2.3u
1P6D	1.2u		
		1P17A	1.2u
1P8A	2.3u	1P17B	1.2u
1P8B	2.6u	1P17C	1.2u
1P8C	2.6u		
1P8D	2.4u		
1P8E	3.3u		
1P8F	1.2		
1P9A	1.0u		
1P9B	3.1u		
1P9C	1.4u		
1P9D	1.7u		
1P9E	1.2u		
1P9F	1.1u		

VANADIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	24	1P10A	33
1P1B	34	1P10B	3.4
1P1C	57	1P10C	23
1P1D	20	1P10D	35
1P1E	12u	1P10E	21
		1P10F	35
1P2A	20		
1P2B	30	1P11A	26
1P2C	22	1P11C	19
1P2D	23	1P11D	29
1P2E	24	1P11E	26
1P3A	24	1P12A	25
1P3B	23	1P12B	33
1P3C	53	1P12C	28
1P3E	35		
1P3F	19	1P13A	19
		1P13B	22
1P4A	18n	1P13C	17
1P4B	19n	1P13D	19
1P4C	44.8n		
1P4D	45.4n	1P15A	16
1P4E	18n	1P15C	59
1P4F	27.5n	1P15D	43
		1P15E	25
1P5A	18	1P15F	21
1P5B	41.9n		
1P5C	22.0n	1P16A	22.6n*
1P5D	23.8n	1P16B	21.8n*
		1P16C	21.0n*
1P6A	18	1P16D	34.3n*
1P6C	28	1P16E	28.9n*
1P6D	27		
		1P17A	30
1P8A	22.3n*	1P17B	36
1P8B	30.5n*	1P17C	25
1P8C	20n*		
1P8D	23.0n*		
1P8E	40.4n*		
1P8F	30		
1P9A	11u		
1P9B	52		
1P9C	36		
1P9D	42		
1P9E	16		
1P9F	29		

ZINC DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	85	1P10A	71
1P1B	123	1P10B	133
1P1C	34	1P10C	111
1P1D	85	1P10D	151
1P1E	54	1P10E	124
		1P10F	107
1P2A	98		
1P2B	53n	1P11A	82
1P2C	76n	1P11C	55
1P2D	62n	1P11D	83
1P2E	84	1P11E	80
1P3A	102	1P12A	88n
1P3B	120n	1P12B	99n
1P3C	29	1P12C	62n
1P3E	151n		
1P3F	107n	1P13A	113
		1P13B	81
1P4A	70.3*	1P13C	72
1P4B	18200*	1P13D	100
1P4C	124*		
1P4D	125*	1P15A	47n
1P4E	105*	1P15C	26n
1P4F	182*	1P15D	150n
		1P15E	78n
1P5A	90	1P15F	119n
1P5B	73.9*		
1P5C	97.8*	1P16A	67.8
1P5D	89.8*	1P16B	75.0
		1P16C	86.2
1P6A	88	1P16D	127
1P6C	69	1P16E	118
1P6D	297		
		1P17A	78n
1P8A	75.9	1P17B	81n
1P8B	44.4	1P17C	64n
1P8C	55.1		
1P8D	56.2		
1P8E	37.5		
1P8F	90n		
1P9A	76		
1P9B	44		
1P9C	18		
1P9D	97		
1P9E	82		
1P9F	98		

MOLYBDENUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	76u	1P10A	107
1P1B	110	1P10B	70u
1P1C	95u	1P10C	63u
1P1D	71u	1P10D	73u
1P1E	61u	1P10E	65u
		1P10F	68
1P2A	70u		
1P2B	104	1P11A	77
1P2C	128	1P11C	81
1P2D	[64]	1P11D	86
1P2E	60u	1P11E	64u
1P3A	85u	1P12A	68
1P3B	66	1P12B	132
1P3C	83u	1P12C	90
1P3E	59u		
1P3F	67u	1P13A	116
		1P13B	60
1P4A	229	1P13C	59
1P4B	129	1P13D	66
1P4C	86.1u		
1P4D	94.6u	1P15A	85
1P4E	75.2u	1P15C	92u
1P4F	86.0u	1P15D	72
		1P15E	63u
1P5A	65u	1P15F	63
1P5B	108		
1P5C	68.4	1P16A	62.8u
1P5D	66.0u	1P16B	60.5
		1P16C	58.3u
1P6A	66	1P16D	61.2u
1P6C	92	1P16E	51.7
1P6D	59		
		1P17A	76
1P8A	55.8u	1P17B	112
1P8B	69.3u	1P17C	57u
1P8C	55.1u		
1P8D	63.8u		
1P8E	72.1u		
1P8F	62u		
1P9A	126		
1P9B	73u		
1P9C	74u		
1P9D	81u		
1P9E	51u		
1P9F	71		

TITANIUM DATA
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft.; E=6-8ft., F=8-10ft.)

STATION NO.	CONCENTRATION (mg/kg)	STATION NO.	CONCENTRATION (mg/kg)
1P1A	97	1P10A	184
1P1B	51	1P10B	325
1P1C	522	1P10C	127
1P1D	28u	1P10D	186
1P1E	24u	1P10E	72
		1P10F	33
1P2A	50		
1P2B	292	1P11A	[24]
1P2C	269	1P11C	69
1P2D	74	1P11D	[27]
1P2E	140	1P11E	26u
1P3A	109	1P12A	145
1P3B	170	1P12B	149
1P3C	825	1P12C	112
1P3E	137		
1P3F	118	1P13A	177
		1P13B	67
1P4A	760	1P13C	125
1P4B	239	1P13D	147
1P4C	689		
1P4D	696	1P15A	122
1P4E	57.1	1P15C	815
1P4F	51.6	1P15D	95
		1P15E	161
1P5A	26u	1P15F	161
1P5B	199		
1P5C	92.9	1P16A	158
1P5D	84.5	1P16B	121
		1P16C	90.9
1P6A	58	1P16D	51.4
1P6C	164	1P16E	120
1P6D	50		
		1P17A	143
1P8A	60.3	1P17B	200
1P8B	452	1P17C	109
1P8C	108		
1P8D	97.0		
1P8E	597		
1P8F	88		
1P9A	83		
1P9B	518		
1P9C	426		
1P9D	321		
1P9E	88		
1P9F	24		

SOIL VOC

APPENDIX H
SUMMARY OF LABORATORY RESULTS
VOLATILE ORGANIC COMPOUNDS
SOILS AND SEDIMENTS

FOOTNOTES:

- ND - Indicates that the compound was analyzed for but not detected.
- NS - No sample.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum lower limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. The data presented in this summary have been adjusted to account for the presence of the analyte in the blanks. In general, the values reported by the laboratory are unchanged due to the relative insignificance of the concentration of the analyte in the blanks. Where adjustments have been made, an asterisk has been added to the flag.
- U - Indicates that the compound was analyzed for but not detected. Value preceding this flag is lower limit of detection.

NOTE: All sample extracts were diluted due to the sample matrix and/or concentration levels. All method lower limits of detection for these samples are necessarily increased by the dilution factors. The dilution factors are listed on the laboratory reports presented in the supplement to this report.

- CRDL - Contract Required Detection Limit; range is based on dilution factors for all samples analyzed.
- (xxx) - This flag is used when an analyte was reanalyzed to confirm results.

METHYLENE CHLORIDE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	4700B	1P10A	5900B
1P1B	5500B	1P10B	6000B
1P1C	6900B	1P10C	6100B
1P1D	5200B	1P10D	7000B
1P1E	4700B	1P10E	6800B
		1P10F	4400B
1P2A	4900B		
1P2B	ND	1P11A	5200B
1P2C	ND	1P11C	5000B
1P2D	ND	1P11D	5900B
1P2E	ND	1P11E	5700B
1P3A	5200B	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	6600B
		1P13B	4100B
1P4A	OB*	1P13C	4500B
1P4B	NS	1P13D	4300B
1P4C	4700		
1P4D	ND	1P15A	5100
1P4E	6100	1P15C	6900
1P4F	5500	1P15D	6300
		1P15E	6100
1P5A	4900B	1P15F	6700
1P5B	4800		
1P5C	4000	1P16A	4700
1P5D	4800	1P16B	5500
		1P16C	5100
1P6A	6100B	1P16D	4900
1P6C	5600B	1P16E	4900
1P6D	5300B		
		1P17A	6500
1P8A	3600	1P17B	7400
1P8B	4200	1P17C	ND
1P8C	6000		
1P8D	5000		
1P8E	ND		
1P8F	6200		
1P9A	5000		
1P9B	4100		
1P9C	5000		
1P9D	6500		
1P9E	5400		
1P9F	7700		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	9	ug/kg
Field blank(1)	5	-	ug/l
Trip blanks	5	11	ug/l

METHYLENE CHLORIDE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	11B (11B)	2P-129	0-0.5	510
	0.5-2.5	77B (110B)	2P-130	0-0.5	470J
2P-104	0-0.5	8B	2P-131	0-0.5	330J
	0.5-2.5	4JB	2P-135	0-0.5	1700B
	2.5-4.5	6B		0.5-2.5	1200
2P-108	0-0.5	8B (10B)		2.5-4.5	840B
	0.5-2.5	6B (14B)		4.5-6.5	-- †
2P-109	0-0.5	5B (12B)	2P-136	0-0.5	290J
	0.5-2.5	17B	2P-138	0-0.5	310J
2P-114	0-0.5	15B		0.5-2.5	310J
	0.5-2.5	25B (32B)		2.5-4.5	250J
	2.5-3.5	9B (7B)		4.5-6.5	500U
2P-114A	4.5-6.5	10B (18B)	2P-139	0-0.5	430JB
2P-115	0-0.5	14B (17B)		0.5-2.5	400JB
	0.5-2.5	8B (7B)		2.5-4.5	300JB
	4.5-6.5	14B (8B)	2P-140	0-0.5	440JB
2P-116	0-0.5	520		0.5-2.5	410JB
	0.5-2.5	56B		2.5-4.5	500U
	2.5-4.5	53B	2P-141	0-0.5	500U
2P-119	0-0.5	790B	2P-143	0-0.5	630
	0.5-2.5	770B		0.5-2.5	240J
	2.5-4.5	1000B		2.5-4.5	300J
2P-120	0-0.5	500U		4.5-6.5	670JB
	0.5-2.5	600J	2P-144	0-0.5	600B
	2.5-4.5	180J		0.5-2.5	710JB
	5.0-7.0	180J		2.5-4.5	520B
2P-121	0-0.5	220JB	2P-148	0-0.5	500U
	0.5-2.5	500U	2P-152	0-0.5	340J
	2.5-4.5	200JB	2P-153	0-0.5	380JB
2P-122	0-0.5	350JB		0.5-2.5	340JB
	0.5-2.5	340JB		2.5-4.5	380JB
2P-126	0-0.5	800B	2P-154	0-0.5	500U
2P-127	0-0.5	470JB	2P-155	0-0.5	290JB
2P-128	0-0.5	230JB		0.5-2.5	290JB
	0.5-2.5	500U		2.5-4.5	320JB
	2.5-4.5	640B	2P-157	0-0.5	410JB
			2P-158	0-0.5	430JB
			SD-1	0-0.5	2J
			SD-2	0-0.5	5U
			SD-3	0-0.5	5U

NOTE: The following ranges apply:

	From	To	Units
CRDL	5.0	1000.0	ug/kg
Method Blanks	5	3500B	ug/kg
Field Blank	ND	ND	ug/l
Trip Blank	ND	ND	ug/l

†Not enough sample for analysis.

ACETONE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	1400B	1P10A	2300B
1P1B	1500B	1P10B	2500B
1P1C	2600B	1P10C	3000B
1P1D	1900B	1P10D	3800B
1P1E	1700	1P10E	2700B
		1P10F	2000B
1P2A	2100B		
1P2B	ND	1P11A	1600B
1P2C	ND	1P11C	1800B
1P2D	3800	1P11D	2500B
1P2E	ND	1P11E	1500B
1P3A	2400B	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	4000B
		1P13B	1400B
1P4A	20B*	1P13C	2600B
1P4B	NS	1P13D	2600B
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	2200B		
1P5B	4500	1P16A	ND
1P5C	ND	1P16B	ND
1P5D	2300	1P16C	ND
		1P16D	ND
1P6A	3400B	1P16E	ND
1P6C	3200B		
1P6D	950JB	1P17A	ND
		1P17B	ND
1P8A	540J	1P17C	ND
1P8B	530J		
1P8C	ND		
1P8D	3200		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	1090	2210	ug/kg
Method blanks	ND	20	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	6	ug/l

CARBON DISULFIDE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	3JB	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	0.4	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

1,1 DICHLOROETHENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	670	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	ND	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

1,1 DICHLOROETHENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	5U (5U)	2P-129	0-0.5	500U
	0.5-2.5	25U (25U)	2P-130	0-0.5	500U
2P-104	0-0.5	5U	2P-131	0-0.5	500U
	0.5-2.5	5U	2P-135	0-0.5	500U
	2.5-4.5	5U		0.5-2.5	1400B
2P-108	0-0.5	5U (5U)		2.5-4.5	500U
	0.5-2.5	5U (5U)		4.5-6.5	-- †
2P-109	0-0.5	5U (5U)	2P-136	0-0.5	500U
	0.5-2.5	2J	2P-138	0-0.5	830B
2P-114	0-0.5	5U		0.5-2.5	690B
	0.5-2.5	5U (5U)		2.5-4.5	590B
	2.5-3.5	5U (5U)		4.5-6.5	660B
2P-114A	4.5-6.5	5U (5U)	2P-139	0-0.5	400J
2P-115	0-0.5	5U (5U)		0.5-2.5	470J
	0.5-2.5	5U (5U)		2.5-4.5	400J
	4.5-6.5	5U (5U)	2P-140	0-0.5	530
2P-116	0-0.5	400JB		0.5-2.5	500U
	0.5-2.5	25U		2.5-4.5	500U
	2.5-4.5	25U	2P-141	0-0.5	500U
2P-119	0-0.5	500U	2P-143	0-0.5	500U
	0.5-2.5	500U		0.5-2.5	560B
	2.5-4.5	500U		2.5-4.5	740B
2P-120	0-0.5	460JB		4.5-6.5	1000U
	0.5-2.5	810JB	2P-144	0-0.5	500U
	2.5-4.5	490JB		0.5-2.5	960J
	5.0-7.0	600B		2.5-4.5	500U
2P-121	0-0.5	500U	2P-148	0-0.5	500U
	0.5-2.5	500U	2P-152	0-0.5	500U
	2.5-4.5	500U	2P-153	0-0.5	500U
2P-122	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	500U		2.5-4.5	500U
2P-126	0-0.5	500U	2P-154	0-0.5	500U
2P-127	0-0.5	500U	2P-155	0-0.5	500U
2P-128	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	500U		2.5-4.5	500U
	2.5-4.5	500U	2P-157	0-0.5	500U
			2P-158	0-0.5	500U
			SD-1	0-0.5	5U
			SD-2	0-0.5	5U
			SD-3	0-0.5	5U

NOTE: The following ranges apply:

	From	To	Units
CRDL	5.0	1000.0	ug/kg
Method Blanks	ND	ND	ug/kg
Field Blank	ND	ND	ug/l
Trip Blank	ND	ND	ug/l

†Not enough sample for analysis.

CHLOROFORM
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	750B	1P10A	850B
1P1B	750B	1P10B	920B
1P1C	1000B	1P10C	980B
1P1D	800B	1P10D	920JB
1P1E	670J	1P10E	1100B
		1P10F	810
1P2A	670JB		
1P2B	ND	1P11A	720B
1P2C	ND	1P11C	720B
1P2D	ND	1P11D	710B
1P2E	ND	1P11E	760B
1P3A	720B	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	1100
		1P13B	610B
1P4A	ND	1P13C	710
1P4B	NS	1P13D	690
1P4C	620J		
1P4D	ND	1P15A	670
1P4E	900J	1P15C	ND
1P4F	ND	1P15D	940
		1P15E	ND
1P5A	670JB	1P15F	820
1P5B	ND		
1P5C	510J	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	720
1P6A	1100B	1P16D	660J
1P6C	850B	1P16E	ND
1P6D	890B		
		1P17A	ND
1P8A	790	1P17B	850
1P8B	900	1P17C	ND
1P8C	840		
1P8D	680		
1P8E	ND		
1P8F	780		
1P9A	740		
1P9B	ND		
1P9C	880		
1P9D	ND		
1P9E	790		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	3	ug/kg
Field blank(1)	2		ug/l
Trip blanks	ND	3	ug/l

CHLOROFORM
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	2JB (4JB)	2P-129	0-0.5	500U
	0.5-2.5	10JB (25U)	2P-130	0-0.5	500U
2P-104	0-0.5	2JB	2P-131	0-0.5	200J
	0.5-2.5	2JB	2P-135	0-0.5	130JB
	2.5-4.5	2JB		0.5-2.5	1500
2P-108	0-0.5	0.8JB (2JB)		2.5-4.5	280JB
	0.5-2.5	2JB (2JB)		4.5-6.5	-- †
2P-109	0-0.5	2JB (5U)	2P-136	0-0.5	500U
	0.5-2.5	5U	2P-138	0-0.5	500U
2P-114	0-0.5	5U		0.5-2.5	570
	0.5-2.5	1JB (5U)		2.5-4.5	510
	2.5-3.5	2JB (5B)		4.5-6.5	600
2P-114A	4.5-6.5	2JB (3JB)	2P-139	0-0.5	330J
2P-115	0-0.5	5U (5U)		0.5-2.5	390J
	0.5-2.5	3JB (2JB)		2.5-4.5	300J
	4.5-6.5	5U (5U)	2P-140	0-0.5	500U
2P-116	0-0.5	480J		0.5-2.5	350J
	0.5-2.5	28B		2.5-4.5	330J
	2.5-4.5	32B	2P-141	0-0.5	500U
2P-119	0-0.5	500U	2P-143	0-0.5	230J
	0.5-2.5	500U		0.5-2.5	430J
	2.5-4.5	500U		2.5-4.5	620
2P-120	0-0.5	310J		4.5-6.5	1000U
	0.5-2.5	840J	2P-144	0-0.5	500U
	2.5-4.5	520		0.5-2.5	700JB
	5.0-7.0	340J		2.5-4.5	300JB
2P-121	0-0.5	170J	2P-148	0-0.5	500U
	0.5-2.5	190J	2P-152	0-0.5	170J
	2.5-4.5	500U	2P-153	0-0.5	170JB
2P-122	0-0.5	300JB		0.5-2.5	110J
	0.5-2.5	280JB		2.5-4.5	500U
2P-126	0-0.5	150JB	2P-154	0-0.5	130JB
2P-127	0-0.5	200JB	2P-155	0-0.5	500U
2P-128	0-0.5	160JB		0.5-2.5	500U
	0.5-2.5	100JB		2.5-4.5	500U
	2.5-4.5	320JB	2P-157	0-0.5	500U
			2P-158	0-0.5	500U
			SD-1	0-0.5	20
			SD-2	0-0.5	13
			SD-3	0-0.5	7B

NOTE: The following ranges apply:

	From	To	Units
CRDL	5.0	1000.0	ug/kg
Method Blanks	ND	ND	ug/kg
Field Blank	ND	ND	ug/l
Trip Blank	ND	ND	ug/l

†Not enough sample for analysis

Solvent
2-BUTANONE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	1200JB	1P10A	1600
1P1B	1400B	1P10B	1800
1P1C	2900B	1P10C	1900
1P1D	1300JB	1P10D	2200B
1P1E	1500	1P10E	2300
		1P10F	1100JB
1P2A	1600		
1P2B	3100	1P11A	2000B
1P2C	ND	1P11C	1900B
1P2D	ND	1P11D	1500B
1P2E	ND	1P11E	1200B
1P3A	2300B	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	2200B
		1P13B	2200B
1P4A	0JB*	1P13C	1400B
1P4B	NS	1P13D	2100B
1P4C	2400		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	1300JB	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	4500	1P16D	ND
1P6C	2600	1P16E	ND
1P6D	1300		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	530J	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	5300		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	1090	2210	ug/kg
Method blanks	ND	10	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

1,1,1-TRICHLOROETHANE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	390JB	1P10A	310J
1P1B	330JB	1P10B	310J
1P1C	570JB	1P10C	400J
1P1D	390JB	1P10D	310JB
1P1E	320J	1P10E	400J
		1P10F	390J
1P2A	250JB		
1P2B	ND	1P11A	230JB
1P2C	ND	1P11C	230JB
1P2D	ND	1P11D	250JB
1P2E	ND	1P11E	360JB
1P3A	270JB	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	500J
		1P13B	340JB
1P4A	5JB	1P13C	320J
1P4B	NS	1P13D	320J
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	340J	1P16E	ND
1P6D	400J		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	240J	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	3	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

BROMODICHLOROMETHANE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	230J	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	ND	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

1,1,2,2-TETRACHLOROETHANE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	520JB
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	1600	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	4	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

1,1,2,2 - TETRACHLOROETHANE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	5U (5U)	2P-129	0-0.5	500U
	0.5-2.5	5U (25U)	2P-130	0-0.5	500U
2P-104	0-0.5	5U	2P-131	0-0.5	500U
	0.5-2.5	5U	2P-135	0-0.5	500U
	2.5-4.5	5U		0.5-2.5	2400
2P-108	0-0.5	5U (5U)		2.5-4.5	500U
	0.5-2.5	5U (5U)		4.5-6.5	--†
2P-109	0-0.5	5U (5U)	2P-136	0-0.5	500U
	0.5-2.5	5U	2P-138	0-0.5	500U
2P-114	0-0.5	5U		0.5-2.5	1400
	0.5-2.5	5U (5U)		2.5-4.5	340J
	2.5-3.5	5U (5U)		4.5-6.5	500U
2P-114A	4.5-6.5	5U (5U)	2P-139	0-0.5	500U
2P-115	0-0.5	5U (5U)		0.5-2.5	500U
	0.5-2.5	5U (5U)		2.5-4.5	500U
	4.5-6.5	5U (5U)	2P-140	0-0.5	500U
2P-116	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	25U		2.5-4.5	500U
	2.5-4.5	25U	2P-141	0-0.5	500U
2P-119	0-0.5	500U	2P-143	0-0.5	500U
	0.5-2.5	500U		0.5-2.5	500U
	2.5-4.5	500U		2.5-4.5	500U
2P-120	0-0.5	500U		4.5-6.5	1000U
	0.5-2.5	1000U	2P-144	0-0.5	500U
	2.5-4.5	830		0.5-2.5	1000U
	5.0-7.0	500U		2.5-4.5	500U
2P-121	0-0.5	500U	2P-148	0-0.5	500U
	0.5-2.5	500U	2P-152	0-0.5	500U
	2.5-4.5	500U	2P-153	0-0.5	500U
2P-122	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	500U		2.5-4.5	500U
2P-126	0-0.5	500U	2P-154	0-0.5	500U
2P-127	0-0.5	500U	2P-155	0-0.5	500U
2P-128	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	500U		2.5-4.5	500U
	2.5-4.5	500U	2P-157	0-0.5	500U
			2P-158	0-0.5	500U
			SD-1	0-0.5	5U
			SD-2	0-0.5	5U
			SD-3	0-0.5	5U

NOTE: The following ranges apply:

	From	To	Units
CRDL	5.0	1000.0	ug/kg
Method Blanks	ND	ND	ug/kg
Field Blank	ND	ND	ug/l
Trip Blank	ND	ND	ug/l

†Not enough sample for analysis

TRICHLOROETHENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	410J	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Unit
CRDL	545	1105	ug/kg
Method blanks	ND	ND	ug/kg
Field blank(1)	ND	-	ug/l
Trip blanks	ND	ND	ug/l

DIBROMOCHLOROMETHANE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	500J	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	ND	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

BENZENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	130J
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	250J	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	140J		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	ND	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

2-CHLOROETHYL VINYLETHER
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	1100J	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	1090	2210	ug/kg
Methods blanks	ND	ND	ug/kg
Field blank(1)	ND		ug/l
Trip blanks	ND	ND	ug/l

2-HEXANONE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	NS	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	780J	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	1090	2210	ug/kg
Method blanks	ND	10	ug/kg
Field blank (1)	ND		ug/l
Trip blanks	ND	ND	ug/l

4-METHYL-2-PENTANONE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	580JB	1P10A	750J
1P1B	410JB	1P10B	910J
1P1C	660JB	1P10C	760J
1P1D	420JB	1P10D	860JB
1P1E	ND	1P10E	740J
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	380JB
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	450JB
1P3A	860JB	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	840J
		1P13B	480JB
1P4A	ND	1P13C	510J
1P4B	NS	1P13D	560J
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	770J	1P16E	ND
1P6D	560J		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	200J	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	920J		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	1090	2210	ug/kg
Method blanks	ND	7	ug/kg
Field blank (1)	ND		ug/l
Trip blanks	ND	ND	ug/l

TOLUENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	450JB	1P10A	400JB
1P1B	980B	1P10B	6100B
1P1C	850JB	1P10C	13000B
1P1D	890B	1P10D	600JB
1P1E	560JB	1P10E	740B
		1P10F	5000B
1P2A	880B		
1P2B	ND	1P11A	570JB
1P2C	ND	1P11C	520JB
1P2D	ND	1P11D	430JB
1P2E	ND	1P11E	510JB
1P3A	810B	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	1000B
		1P13B	430JB
1P4A	200	1P13C	380JB
1P4B	NS	1P13D	2300B
1P4C	1900		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	730B	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	930B	1P16D	ND
1P6C	480JB	1P16E	ND
1P6D	890B		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	15	ug/kg
Field blank (1)	2		ug/l
Trip blanks	ND	3	ug/l

TOLUENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	3JB (5U)	2P-129	0-0.5	230J
	0.5-2.5	17JB (25U)	2P-130	0-0.5	180J
2P-104	0-0.5	2JB	2P-131	0-0.5	230J
	0.5-2.5	3JB	2P-135	0-0.5	500U
	2.5-4.5	2JB		0.5-2.5	900JB
2P-108	0-0.5	2JB (3JB)		2.5-4.5	500U
	0.5-2.5	2JB (3JB)		4.5-6.5	-- †
2P-109	0-0.5	2JB (2JB)	2P-136	0-0.5	500U
	0.5-2.5	2JB	2P-138	0-0.5	660B
2P-114	0-0.5	5U		0.5-2.5	500U
	0.5-2.5	5U (5U)		2.5-4.5	350JB
	2.5-3.5	2JB (5U)		4.5-6.5	570B
2P-114A	4.5-6.5	53B (34B)	2P-139	0-0.5	490J
2P-115	0-0.5	3JB (5U)		0.5-2.5	660
	0.5-2.5	3JB (5U)		2.5-4.5	570
	4.5-6.5	5U (5U)	2P-140	0-0.5	720
2P-116	0-0.5	300JB		0.5-2.5	600
	0.5-2.5	25U		2.5-4.5	600
	2.5-4.5	25U	2P-141	0-0.5	190J
2P-119	0-0.5	150J	2P-143	0-0.5	530
	0.5-2.5	500U		0.5-2.5	380JB
	2.5-4.5	220J		2.5-4.5	340JB
2P-120	0-0.5	320JB		4.5-6.5	330J
	0.5-2.5	610JB	2P-144	0-0.5	170J
	2.5-4.5	340JB		0.5-2.5	540JB
	5.0-7.0	440JB		2.5-4.5	500U
2P-121	0-0.5	79J	2P-148	0-0.5	190J
	0.5-2.5	93J	2P-152	0-0.5	200J
	2.5-4.5	260J	2P-153	0-0.5	500U
2P-122	0-0.5	210J		0.5-2.5	500U
2P-126	0-0.5	270J		2.5-4.5	500U
2P-127	0-0.5	250J	2P-154	0-0.5	500U
2P-128	0-0.5	500U	2P-155	0-0.5	500U
	0.5-2.5	500U		0.5-2.5	500U
	2.5-4.5	220J		2.5-4.5	500U
			2P-157	0-0.5	450J
			2P-158	0-0.5	370J
			SD-1	0-0.5	5U
			SD-2	0-0.5	5B
			SD-3	0-0.5	3JB

NOTE: The following ranges apply:

	From	To	Units
CRDL	5.0	1000.0	ug/kg
Method Blanks	ND	ND	ug/kg
Field Blank	ND	ND	ug/l
Trip Blank	ND	ND	ug/l

†Not enough sample for analysis

ETHYLBENZENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	900	1P10A	ND
1P1B	880	1P10B	1200B
1P1C	620J	1P10C	1300B
1P1D	780	1P10D	1300
1P1E	930	1P10E	1200B
		1P10F	1200B
1P2A	900		
1P2B	ND	1P11A	900
1P2C	ND	1P11C	970
1P2D	ND	1P11D	900
1P2E	ND	1P11E	950
1P3A	960	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	1300B
		1P13B	780
1P4A	5JB	1P13C	910B
1P4B	NS	1P13D	870B
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	890	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	1200B	1P16D	ND
1P6C	1000B	1P16E	ND
1P6D	1100B		
		1P17A	ND
1P8A	870	1P17B	1300
1P8B	960	1P17C	890
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	1500		
1P9C	ND		
1P9D	ND		
1P9E	1600		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	3	ug/kg
Field blank (1)	ND		ug/l
Trip blanks	ND	ND	ug/l

ETHYLBENZENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	5U (5U)	2P-129	0-0.5	500U
	0.5-2.5	25U (25U)	2P-130	0-0.5	500U
2P-104	0-0.5	5U	2P-131	0-0.5	500U
	0.5-2.5	5U	2P-135	0-0.5	500U
	2.5-4.5	5U		0.5-2.5	1000U
2P-108	0-0.5	5U (5U)		2.5-4.5	500U
	0.5-2.5	5U (5U)		4.5-6.5	-- †
2P-109	0-0.5	5U (5U)	2P-136	0-0.5	500U
	0.5-2.5	5U	2P-138	0-0.5	500U
2P-114	0-0.5	5U		0.5-2.5	500U
	0.5-2.5	5U (5U)		2.5-4.5	500U
	2.5-3.5	5U (5U)		4.5-6.5	500U
2P-114A	4.5-6.5	5U (5U)	2P-139	0-0.5	500U
2P-115	0-0.5	5U (5U)		0.5-2.5	500U
	0.5-2.5	5U (5U)		2.5-4.5	500U
	4.5-6.5	5U (5U)	2P-140	0-0.5	500U
2P-116	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	25U		2.5-4.5	500U
	2.5-4.5	25U	2P-141	0-0.5	500U
2P-119	0-0.5	500U	2P-143	0-0.5	500U
	0.5-2.5	500U		0.5-2.5	500U
	2.5-4.5	500U		2.5-4.5	500U
2P-120	0-0.5	500U		4.5-6.5	1000U
	0.5-2.5	1000U	2P-144	0-0.5	500U
	2.5-4.5	500U		0.5-2.5	1000U
	5.0-7.0	500U		2.5-4.5	500U
2P-121	0-0.5	500U	2P-148	0-0.5	500U
	0.5-2.5	500U	2P-152	0-0.5	500U
	2.5-4.5	500U	2P-153	0-0.5	500U
2P-122	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	500U		2.5-4.5	500U
2P-126	0-0.5	500U	2P-154	0-0.5	500U
2P-127	0-0.5	500U	2P-155	0-0.5	500U
2P-128	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	500U		2.5-4.5	500U
	2.5-4.5	500U	2P-157	0-0.5	500U
			2P-158	0-0.5	500U
			SD-1	0-0.5	5U
			SD-2	0-0.5	5U
			SD-3	0-0.5	5U

NOTE: The following ranges apply:

	From	To	Units
CRDL	5.0	10000	ug/kg
Method Blanks	ND	NO	ug/kg
Field Blank	ND	ND	ug/l
Trip Blank	ND	ND	ug/l

†Not enough sample for analysis

TOTAL XYLENES
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	1100	1P10A	ND
1P1B	1100	1P10B	1600
1P1C	ND	1P10C	2000
1P1D	ND	1P10D	1800
1P1E	1300	1P10E	1500
		1P10F	1400
1P2A	ND		
1P2B	ND	1P11A	1200
1P2C	ND	1P11C	1200
1P2D	ND	1P11D	1000
1P2E	ND	1P11E	1200
1P3A	1300	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	NS	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	1500
		1P13B	ND
1P4A	ND	1P13C	1100
1P4B	NS	1P13D	1200
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	1200	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	1500	1P16D	ND
1P6C	1100	1P16E	ND
1P6D	1400		
		1P17A	ND
1P8A	1300	1P17B	ND
1P8B	1300	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NOTE: The following ranges apply:

	From	To	Units
CRDL	545	1105	ug/kg
Method blanks	ND	ND	ug/kg
Field blank (1)	ND		ug/l
Trip blanks	ND	ND	ug/l

TOTAL XYLENES
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	5U (5U)	2P-129	0-0.5	540
	0.5-2.5	25U (25U)	2P-130	0-0.5	520
2P-104	0-0.5	5U	2P-131	0-0.5	550
	0.5-2.5	5U	2P-135	0-0.5	720
	2.5-4.5	5U		0.5-2.5	1000U
2P-108	0-0.5	5U (5U)		2.5-4.5	500U
	0.5-2.5	5U (5U)		4.5-6.5	-- †
2P-109	0-0.5	5U (5U)	2P-136	0-0.5	490J
	0.5-2.5	5U	2P-138	0-0.5	500U
2P-114	0-0.5	5U		0.5-2.5	500U
	0.5-2.5	5U (5U)		2.5-4.5	500U
	2.5-3.5	5U (5U)		4.5-6.5	500U
2P-114A	4.5-6.5	7 (5U)	2P-139	0-0.5	500U
2P-115	0-0.5	5U (5U)		0.5-2.5	500U
	0.5-2.5	5U (5U)		2.5-4.5	500U
	4.5-6.5	5U (5U)	2P-140	0-0.5	500U
2P-116	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	25U		2.5-4.5	500U
	2.5-4.5	25U	2P-141	0-0.5	580
2P-119	0-0.5	460J	2P-143	0-0.5	680
	0.5-2.5	500U		0.5-2.5	500U
	2.5-4.5	500U		2.5-4.5	500U
2P-120	0-0.5	500U		4.5-6.5	1000U
	0.5-2.5	1000U	2P-144	0-0.5	500
	2.5-4.5	500U		0.5-2.5	1000U
	5.0-7.0	500U		2.5-4.5	250J
2P-121	0-0.5	500U	2P-148	0-0.5	250J
	0.5-2.5	500U	2P-152	0-0.5	510
	2.5-4.5	500U	2P-153	0-0.5	500U
2P-122	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	500U		2.5-4.5	500U
2P-126	0-0.5	570	2P-154	0-0.5	500U
2P-127	0-0.5	500U	2P-155	0-0.5	500U
2P-128	0-0.5	500U		0.5-2.5	500U
	0.5-2.5	500U		2.5-4.5	500U
	2.5-4.5	610	2P-157	0-0.5	500U
			2P-158	0-0.5	500U
			SD-1	0-0.5	5U
			SD-2	0-0.5	5U
			SD-3	0-0.5	5U

NOTE: The following ranges apply:

	From	To	Units
CRDL	5.0	1000.0	ug/kg
Method Blanks	ND	ND	ug/kg
Field Blank	ND	ND	ug/l
Trip Blank	ND	ND	ug/l

†Not enough sample for analysis

SOIL B/N/A

APPENDIX H
SUMMARY OF LABORATORY RESULTS
BASE/NEUTRAL/ACID COMPOUNDS
SOILS

FOOTNOTES:

- ND - Indicates that the compound was analyzed for but not detected.
- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum lower limit but is greater than zero.
- B - This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- D - Sample extract was diluted due to the sample matrix and/or concentration levels. All method lower limits of detection for these samples are necessarily increased by the dilution factors. The dilution factors are listed on the laboratory reports presented in the supplement to this report.
- U - Indicates that the compound was analyzed for but not detected. Value preceding flag is lower limit of detection.

- NOTES:
1. All Contract Required Detection Limits were as shown in Appendix D.
 2. All trip blanks and field blanks showed ND for the parameters included here.
 3. All method blanks were ND for the parameters included herein except ND to 19 ug/kg for di-n-octyl phthalate and ND to 230 ug/kg for bis(2-ethylhexyl) phthalate.

1,3 -DICHLORO BENZENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	110J	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	31J	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

1,4-DICHLOROBENZENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	100J	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	720D		
1P4D	170J	1P15A	ND
1P4E	81J	1P15C	ND
1P4F	830	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	36J		
1P9D	ND		
1P9E	ND		
1P9F	ND		

1,2,4-TRICHLOROBENZENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND	1P11A	ND
1P2B	ND	1P11C	ND
1P2C	ND	1P11D	ND
1P2D	ND	1P11E	ND
1P2E	ND		
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND	1P13A	ND
1P3F	ND	1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	58J	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	88J	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

NAPHTHALENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	16J	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	70J
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	16J	1P11A	ND
1P2B	29J	1P11C	ND
1P2C	20J	1P11D	ND
1P2D	ND	1P11E	ND
1P2E	ND		
1P3A	ND	1P12A	7J
1P3B	32J	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	1500D		
1P4D	ND	1P15A	ND
1P4E	220J	1P15C	ND
1P4F	42J	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	24J		
1P8E	12J		
1P8F	ND		
1P9A	ND		
1P9B	520		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

2-METHYLNAPHTHALENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	120J
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	39J	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	37J	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	41J	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	10J	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	910D		
1P4D	ND	1P15A	ND
1P4E	88J	1P15C	ND
1P4F	26J	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	17J		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	240J		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

DIMETHYL PHTHALATE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND	1P11A	ND
1P2B	ND	1P11C	ND
1P2C	ND	1P11D	ND
1P2D	ND	1P11E	ND
1P2E	ND		
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND	1P13A	ND
1P3F	ND	1P13B	ND
		1P13C	ND
1P4A	ND	1P13D	ND
1P4B	ND		
1P4C	ND	1P15A	ND
1P4D	ND	1P15C	ND
1P4E	ND	1P15D	ND
1P4F	ND	1P15E	ND
		1P15F	ND
1P5A	ND	1P16A	ND
1P5B	ND	1P16B	ND
1P5C	ND	1P16C	ND
1P5D	ND	1P16D	ND
1P6A	ND	1P16E	ND
1P6C	ND		
1P6D	ND	1P17A	ND
		1P17B	ND
1P8A	ND	1P17C	ND
1P8B	ND		
1P8C	ND		
1P8D	46J		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

ACENAPHTHENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	96J	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	70J	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	11000D		
1P4D	ND	1P15A	ND
1P4E	360	1P15C	ND
1P4F	230J	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	1800		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

DIBENZOFURAN
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	36J	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	9600	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	6600D		
1P4D	ND	1P15A	ND
1P4E	62000	1P15C	ND
1P4F	150J	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	1100		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

DIETHYLPHTHALATE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	80J	1P15C	ND
1P4F	28J	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	25J	1P16B	28J
		1P16C	40J
1P6A	ND	1P16D	26J
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	23J		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

FLUORENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	120J	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	60J	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	14000D		
1P4D	ND	1P15A	ND
1P4E	470	1P15C	ND
1P4F	350	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	21J	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	2500		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

FLUORENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	330U	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	330U	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	330U		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	330U
2P-115	0-0.5	35J		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	37J		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	330U
2P-119	0-0.5	330U	2P-143	0-0.5	83J
	0.5-2.5	330U		0.5-2.5	330U
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	330U		4.5-6.5	88J
	0.5-2.5	330U	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	50J	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	330U
	2.5-4.5	330U	2P-153	0-0.5	330U
2P-122	0-0.5	150J		0.5-2.5	330U
	0.5-2.5	11J		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	330U
2P-127	0-0.5	330U	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	3800	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	330U
			SD-2	0-0.5	330U
			SD-3	0-0.5	330U

PHENANTHRENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	360	1P10B	ND
1P1C	ND	1P10C	150J
1P1D	ND	1P10D	90J
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	550		
1P2B	270J	1P11A	ND
1P2C	120J	1P11C	ND
1P2D	90J	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	1300	1P12A	ND
1P3B	81J	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	1200	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	82000D		
1P4D	ND	1P15A	ND
1P4E	3700	1P15C	ND
1P4F	1700	1P15D	ND
		1P15E	ND
1P5A	330	1P15F	ND
1P5B	65J		
1P5C	ND	1P16A	75J
1P5D	100J	1P16B	ND
		1P16C	ND
1P6A	34J	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	117J	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	26J		
1P8E	130J		
1P8F	ND		
1P9A	ND		
1P9B	14000		
1P9C	ND		
1P9D	26J		
1P9E	ND		
1P9F	ND		

PHENANTHRENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	190J	2P-129	0-0.5	66J
	0.5-2.5	330U	2P-130	0-0.5	19J
2P-104	0-0.5	32J	2P-131	0-0.5	33J
	0.5-2.5	20,000U	2P-135	0-0.5	46J
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	78J		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	23J
2P-109	0-0.5	120J	2P-136	0-0.5	21J
	0.5-2.5	330U	2P-138	0-0.5	62J
2P-114	0-0.5	300J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	160J		4.5-6.5	330U
2P-114A	4.5-6.5	2800	2P-139	0-0.5	55JB
2P-115	0-0.5	590		0.5-2.5	330U
	0.5-2.5	1700J		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	140J		0.5-2.5	38JB
	0.5-2.5	380		2.5-4.5	20JB
	2.5-4.5	330U	2P-141	0-0.5	160J
2P-119	0-0.5	40J	2P-143	0-0.5	640
	0.5-2.5	330U		0.5-2.5	110JB
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	100J		4.5-6.5	150JB
	0.5-2.5	77J	2P-144	0-0.5	23JB
	2.5-4.5	77J		0.5-2.5	50JB
	5.0-7.0	330U		2.5-4.5	48JB
2P-121	0-0.5	540	2P-148	0-0.5	36J
	0.5-2.5	82J	2P-152	0-0.5	42J
	2.5-4.5	130J	2P-153	0-0.5	60J
2P-122	0-0.5	1700		0.5-2.5	25J
	0.5-2.5	34J		2.5-4.5	330U
2P-126	0-0.5	40J	2P-154	0-0.5	63J
2P-127	0-0.5	61J	2P-155	0-0.5	28J
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	120J		2.5-4.5	330U
	2.5-4.5	19,000	2P-157	0-0.5	330U
			2P-158	0-0.5	22J
			SD-1	0-0.5	66J
			SD-2	0-0.5	330U
			SD-3	0-0.5	58J

ANTHRACENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	94J		
1P2B	52J	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	270J	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	130J	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	22000D		
1P4D	ND	1P15A	ND
1P4E	750	1P15C	ND
1P4F	450	1P15D	ND
		1P15E	ND
1P5A	64J	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	28J	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	20J	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	4300		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

ANTHRACENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	30J	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	23J	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	52J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	30J		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	330U
2P-115	0-0.5	92J		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	26J		0.5-2.5	330U
	0.5-2.5	89J		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	330U
2P-119	0-0.5	330U	2P-143	0-0.5	170J
	0.5-2.5	330U		0.5-2.5	330U
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	330U		4.5-6.5	120J
	0.5-2.5	330U	2P-144	0-0.5	330U
	2.5-4.5	17J		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	100J	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	330U
	2.5-4.5	330U	2P-153	0-0.5	17J
2P-122	0-0.5	310J		0.5-2.5	330U
	0.5-2.5	23J		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	37J
2P-127	0-0.5	11J	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	4,900	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	18J
			SD-2	0-0.5	330U
			SD-3	0-0.5	330U

DI-n-BUTYLPHTHALATE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	49J	1P11C	ND
1P2D	46J	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	48J
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	320J		
1P3F	ND	1P13A	95J
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	72J
1P4E	33J	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	25J	1P16B	31J
		1P16C	35J
1P6A	ND	1P16D	40J
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	36J		
1P8D	31J		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	54J		
1P9E	ND		
1P9F	ND		

FLUORANTHENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	370	1P10B	ND
1P1C	ND	1P10C	96J
1P1D	ND	1P10D	100J
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	740		
1P2B	520	1P11A	ND
1P2C	250J	1P11C	ND
1P2D	160J	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	1900	1P12A	36J
1P3B	150J	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	32J
		1P13B	ND
1P4A	1400	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	45000D		
1P4D	ND	1P15A	ND
1P4E	2700	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	460	1P15F	ND
1P5B	39J		
1P5C	ND	1P16A	71J
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	150J	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	15J		
1P8E	85J		
1P8F	ND		
1P9A	31J		
1P9B	9400		
1P9C	ND		
1P9D	21J		
1P9E	ND		
1P9F	ND		

FLUORANTHENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	310J	2P-129	0-0.5	110J
	0.5-2.5	330U	2P-130	0-0.5	31J
2P-104	0-0.5	48J	2P-131	0-0.5	50J
	0.5-2.5	20,000U	2P-135	0-0.5	87J
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	100J		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	30J
2P-109	0-0.5	210J	2P-136	0-0.5	30J
	0.5-2.5	330U	2P-138	0-0.5	130J
2P-114	0-0.5	490		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	220J		4.5-6.5	330U
2P-114A	4.5-6.5	780	2P-139	0-0.5	76JB
2P-115	0-0.5	1200		0.5-2.5	330U
	0.5-2.5	1600J		2.5-4.5	37JB
	4.5-6.5	330U	2P-140	0-0.5	44JB
2P-116	0-0.5	260J		0.5-2.5	44JB
	0.5-2.5	460		2.5-4.5	28JB
	2.5-4.5	330U	2P-141	0-0.5	250J
2P-119	0-0.5	65J	2P-143	0-0.5	670
	0.5-2.5	330U		0.5-2.5	140JB
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	230J		4.5-6.5	190JB
	0.5-2.5	120J	2P-144	0-0.5	48JB
	2.5-4.5	110J		0.5-2.5	85JB
	5.0-7.0	330U		2.5-4.5	41JB
2P-121	0-0.5	690	2P-148	0-0.5	55J
	0.5-2.5	44J	2P-152	0-0.5	69J
	2.5-4.5	170J	2P-153	0-0.5	140J
2P-122	0-0.5	2300		0.5-2.5	39J
	0.5-2.5	32J		2.5-4.5	330U
2P-126	0-0.5	56J	2P-154	0-0.5	130J
2P-127	0-0.5	84J	2P-155	0-0.5	59J
2P-128	0-0.5	15J		0.5-2.5	330U
	0.5-2.5	170J		2.5-4.5	330U
	2.5-4.5	16,000	2P-157	0-0.5	330U
			2P-158	0-0.5	34J
			SD-1	0-0.5	130J
			SD-2	0-0.5	26J
			SD-3	0-0.5	99J

PYRENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	430	1P10B	ND
1P1C	ND	1P10C	350
1P1D	ND	1P10D	170J
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	1000	1P11A	ND
1P2B	870	1P11C	ND
1P2C	420	1P11D	ND
1P2D	410	1P11E	ND
1P2E	ND		
1P3A	3000	1P12A	70J
1P3B	350	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	43J
		1P13B	ND
1P4A	1700	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	56000D		
1P4D	ND	1P15A	ND
1P4E	3400	1P15C	ND
1P4F	1900	1P15D	ND
		1P15E	ND
1P5A	650	1P15F	ND
1P5B	47J		
1P5C	ND	1P16A	170J
1P5D	100J	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	180J	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	40J		
1P8E	170J		
1P8F	ND		
1P9A	ND		
1P9B	20000		
1P9C	ND		
1P9D	35J		
1P9E	ND		
1P9F	ND		

PYRENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	210J	2P-129	0-0.5	110J
	0.5-2.5	330U	2P-130	0-0.5	30J
2P-104	0-0.5	33J	2P-131	0-0.5	56J
	0.5-2.5	20,000U	2P-135	0-0.5	57J
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	72J		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	29J
2P-109	0-0.5	110J	2P-136	0-0.5	39J
	0.5-2.5	330U	2P-138	0-0.5	87J
2P-114	0-0.5	270J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	140J		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	95JB
2P-115	0-0.5	860		0.5-2.5	330U
	0.5-2.5	2300J		2.5-4.5	42JB
	4.5-6.5	330U	2P-140	0-0.5	46JB
2P-116	0-0.5	180J		0.5-2.5	56JB
	0.5-2.5	390		2.5-4.5	34JB
	2.5-4.5	330U	2P-141	0-0.5	290J
2P-119	0-0.5	52J	2P-143	0-0.5	640
	0.5-2.5	330U		0.5-2.5	120JB
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	170J		4.5-6.5	190JB
	0.5-2.5	89J	2P-144	0-0.5	44JB
	2.5-4.5	130J		0.5-2.5	89JB
	5.0-7.0	330U		2.5-4.5	40JB
2P-121	0-0.5	740	2P-148	0-0.5	64J
	0.5-2.5	68J	2P-152	0-0.5	72J
	2.5-4.5	90J	2P-153	0-0.5	58J
2P-122	0-0.5	2300		0.5-2.5	330U
	0.5-2.5	38J		2.5-4.5	24J
2P-126	0-0.5	67J	2P-154	0-0.5	58J
2P-127	0-0.5	93J	2P-155	0-0.5	24J
2P-128	0-0.5	17J		0.5-2.5	330U
	0.5-2.5	190J		2.5-4.5	330U
	2.5-4.5	8,600	2P-157	0-0.5	330U
			2P-158	0-0.5	39J
			SD-1	0-0.5	130J
			SD-2	0-0.5	23J
			SD-3	0-0.5	91J

BENZO(a)ANTHRACENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	260J	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	420	1P11A	ND
1P2B	470	1P11C	ND
1P2C	230J	1P11D	ND
1P2D	190J	1P11E	ND
1P2E	ND		
1P3A	1200	1P12A	ND
1P3B	220J	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	890	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	26000D		
1P4D	ND	1P15A	ND
1P4E	1200	1P15C	ND
1P4F	700	1P15D	ND
		1P15E	ND
1P5A	270J	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	6500		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

BENZO(a)ANTHRACENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	190J	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	36J
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	81J	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	210J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	130J		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	51J
2P-115	0-0.5	500		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	120J		0.5-2.5	330U
	0.5-2.5	250J		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	110J
2P-119	0-0.5	39J	2P-143	0-0.5	290J
	0.5-2.5	330U		0.5-2.5	330U
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	330U		4.5-6.5	160J
	0.5-2.5	80J	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	410	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	52J
	2.5-4.5	330U	2P-153	0-0.5	330U
2P-122	0-0.5	1100		0.5-2.5	36J
	0.5-2.5	330U		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	330U
2P-127	0-0.5	46J	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	89J		2.5-4.5	330U
	2.5-4.5	8,400	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	62J
			SD-2	0-0.5	330U
			SD-3	0-0.5	56J

bis(2-ETHYLHEXYL)PHTHALATE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	49JB
1P1B	ND	1P10B	89J
1P1C	75J	1P10C	120J
1P1D	87J	1P10D	170J
1P1E	340	1P10E	110J
		1P10F	130J
1P2A	210J		
1P2B	120JB	1P11A	120J
1P2C	130JB	1P11C	58J
1P2D	150JB	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	630	1P12A	87J
1P3B	120JB	1P12B	81JB
1P3C	89JB	1P12C	81JB
1P3E	170JB		
1P3F	ND	1P13A	130JB
		1P13B	ND
1P4A	ND	1P13C	120JB
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	50J	1P15A	93J
1P4E	ND	1P15C	130J
1P4F	ND	1P15D	73J
		1P15E	64J
1P5A	99J	1P15F	54J
1P5B	ND		
1P5C	120J	1P16A	ND
1P5D	120J	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	79J
1P6D	92JB		
		1P17A	110J
1P8A	76J	1P17B	97JB
1P8B	91J	1P17C	83J
1P8C	120J		
1P8D	84J		
1P8E	130J		
1P8F	110J		
1P9A	140JB		
1P9B	180JB		
1P9C	110JB		
1P9D	110JB		
1P9E	ND		
1P9F	110JB		

CHRYSENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	300J	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	100J
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	470		
1P2B	550	1P11A	ND
1P2C	270J	1P11C	ND
1P2D	230J	1P11D	ND
1P2E		1P11E	ND
1P3A	1200	1P12A	ND
1P3B	250J	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	1400	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	24000D		
1P4D	ND	1P15A	ND
1P4E	1400	1P15C	ND
1P4F	720	1P15D	ND
		1P15E	ND
1P5A	320J	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	120J	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	80J		
1P8F	ND		
1P9A	ND		
1P9B	5700		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

CHRYSENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	220J	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	38J	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	60J		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	93J	2P-136	0-0.5	29J
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	250J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	160J		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	48J
2P-115	0-0.5	650		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	160J		0.5-2.5	330U
	0.5-2.5	290J		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	160J
2P-119	0-0.5	39J	2P-143	0-0.5	280J
	0.5-2.5	330U		0.5-2.5	330U
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	120J		4.5-6.5	330U
	0.5-2.5	94J	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	490	2P-148	0-0.5	330U
	0.5-2.5	65J	2P-152	0-0.5	330U
	2.5-4.5	330U	2P-153	0-0.5	68J
2P-122	0-0.5	1200		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	85J
2P-127	0-0.5	330U	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	7,300	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	78J
			SD-2	0-0.5	330U
			SD-3	0-0.5	330U

Di-n-OCTYLPHTHALATE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	13J	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	11JB	1P13D	ND
1P4C	ND		
1P4D	68JB	1P15A	26J
1P4E	ND	1P15C	ND
1P4F	200JB	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	23J
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	70JB	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	22J
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	48J		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

BENZO(b)FLUORANTHENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	170J
1P1D	ND	1P10D	87J
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	380		
1P2B	560	1P11A	ND
1P2C	230J	1P11C	ND
1P2D	200J	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	1100	1P12A	ND
1P3B	230J	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	800	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	31000D		
1P4D	ND	1P15A	ND
1P4E	930	1P15C	ND
1P4F	460	1P15D	ND
		1P15E	ND
1P5A	150J	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	78J	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	3600		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

BENZO(b)FLUORANTHENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	180J	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	97J	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	230J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	330U		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	330U
2P-115	0-0.5	510		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	140J		0.5-2.5	330U
	0.5-2.5	310J		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	200J
2P-119	0-0.5	39J	2P-143	0-0.5	330U
	0.5-2.5	330U		0.5-2.5	44JB
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	80J		4.5-6.5	330U
	0.5-2.5	71J	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	290J	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	330U
	2.5-4.5	330U	2P-153	0-0.5	330U
2P-122	0-0.5	1000		0.5-2.5	45J
	0.5-2.5	330U		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	91J
2P-127	0-0.5	330U	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	4,500	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	72J
			SD-2	0-0.5	330U
			SD-3	0-0.5	330U

BENZO(k)FLUORANTHENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	370	1P11A	ND
1P2B	120J	1P11C	ND
1P2C	ND	1P11D	ND
1P2D	190J	1P11E	ND
1P2E	ND		
1P3A	850	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	900	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	4900D		
1P4D	ND	1P15A	ND
1P4E	840	1P15C	ND
1P4F	480	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	4200		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

BENZO(k)FLUORANTHENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	330U	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	60J	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	170J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	330U		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	330U
2P-115	0-0.5	85J		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	110J		0.5-2.5	330U
	0.5-2.5	61J		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	330U
2P-119	0-0.5	330U	2P-143	0-0.5	330U
	0.5-2.5	330U		0.5-2.5	330U
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	52J		4.5-6.5	120J
	0.5-2.5	46J	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	32J	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	330U
	2.5-4.5	330U	2P-153	0-0.5	330U
2P-122	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	37J
2P-127	0-0.5	330U	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	1,100	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	330U
			SD-2	0-0.5	330U
			SD-3	0-0.5	330U

BENZO(a)PYRENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	360	1P11A	ND
1P2B	410	1P11C	ND
1P2C	210J	1P11D	ND
1P2D	ND	1P11E	ND
1P2E	ND		
1P3A	1000	1P12A	ND
1P3B	190J	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND	1P13A	ND
1P3F	ND	1P13B	ND
1P4A	770	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	19000D	1P15A	ND
1P4D	ND	1P15C	ND
1P4E	1000	1P15D	ND
1P4F	530	1P15E	ND
1P5A	190J	1P15F	ND
1P5B	ND	1P16A	ND
1P5C	ND	1P16B	ND
1P5D		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND	1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	4300		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

BENZO(a)PYRENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	330U	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	330U	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	150J		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	330U
2P-115	0-0.5	530		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	130J		0.5-2.5	330U
	0.5-2.5	260J		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	130J
2P-119	0-0.5	330U	2P-143	0-0.5	200J
	0.5-2.5	330U		0.5-2.5	50J
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	89J		4.5-6.5	140J
	0.5-2.5	66J	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	350	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	49J
	2.5-4.5	330U	2P-153	0-0.5	330U
2P-122	0-0.5	960		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	110J
2P-127	0-0.5	330U	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	90J		2.5-4.5	330U
	2.5-4.5	6,200	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	62J
			SD-2	0-0.5	330U
			SD-3	0-0.5	61J

INDENO(1,2,3-cd)PYRENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	180J		
1P2B	360	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	650	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	630	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	8200D		
1P4D	ND	1P15A	ND
1P4E	710	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	2100		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

INDENO(1,2,3-cd)PYRENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	330U	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	330U	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	97J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	330U		4.5-6.5	330U
2P-114A	4.5-6.5	330U	2P-139	0-0.5	330U
2P-115	0-0.5	290J		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	98J		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	100J
2P-119	0-0.5	330U	2P-143	0-0.5	330U
	0.5-2.5	330U		0.5-2.5	330U
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	330U		4.5-6.5	330U
	0.5-2.5	62J	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	220J	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	330U
	2.5-4.5	330U	2P-153	0-0.5	32J
2P-122	0-0.5	460		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	330U
2P-127	0-0.5	330U	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	2,700	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	41J
			SD-2	0-0.5	330U
			SD-3	0-0.5	330U

BENZO(g,h,i)PERYLENE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	700	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	830	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	870	1P15C	ND
1P4F	270J	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	2100		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

1,2 - DICHLOROBENZENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	330U	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	67J
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	330U	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	76J		2.5-4.5	330U
	2.5-3.5	330U		4.5-6.5	330U
2P-114A	4.5-6.5	1900	2P-139	0-0.5	330U
2P-115	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	330U
2P-119	0-0.5	330U	2P-143	0-0.5	330U
	0.5-2.5	330U		0.5-2.5	330U
	2.5-4.5	67J		2.5-4.5	330U
2P-120	0-0.5	330U		4.5-6.5	330U
	0.5-2.5	330U	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	330U	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	330U
	2.5-4.5	1300	2P-153	0-0.5	330U
2P-122	0-0.5	460		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	330U
2P-127	0-0.5	330U	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	330U	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	330U
			SD-2	0-0.5	330U
			SD-3	0-0.5	330U

1,2,3,4-TETRACHLOROBENZENE
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)	STATION NO.	DEPTH (Ft.)	CONCENTRATION (ug/kg)
2P-103	0-0.5	270J	2P-129	0-0.5	330U
	0.5-2.5	330U	2P-130	0-0.5	330U
2P-104	0-0.5	330U	2P-131	0-0.5	330U
	0.5-2.5	20,000U	2P-135	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
2P-108	0-0.5	330U		2.5-4.5	330U
	0.5-2.5	330U		4.5-6.5	330U
2P-109	0-0.5	330U	2P-136	0-0.5	330U
	0.5-2.5	330U	2P-138	0-0.5	330U
2P-114	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-3.5	330U		4.5-6.5	330U
2P-114A	4.5-6.5	1000	2P-139	0-0.5	330U
2P-115	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	20,000U		2.5-4.5	330U
	4.5-6.5	330U	2P-140	0-0.5	330U
2P-116	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	330U	2P-141	0-0.5	330U
2P-119	0-0.5	330U	2P-143	0-0.5	330U
	0.5-2.5	330U		0.5-2.5	330U
	2.5-4.5	330U		2.5-4.5	330U
2P-120	0-0.5	330U		4.5-6.5	330U
	0.5-2.5	330U	2P-144	0-0.5	330U
	2.5-4.5	330U		0.5-2.5	330U
	5.0-7.0	330U		2.5-4.5	330U
2P-121	0-0.5	330U	2P-148	0-0.5	330U
	0.5-2.5	330U	2P-152	0-0.5	330U
	2.5-4.5	1000	2P-153	0-0.5	330U
2P-122	0-0.5	130J		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
2P-126	0-0.5	330U	2P-154	0-0.5	330U
2P-127	0-0.5	330U	2P-155	0-0.5	330U
2P-128	0-0.5	330U		0.5-2.5	330U
	0.5-2.5	330U		2.5-4.5	330U
	2.5-4.5	330U	2P-157	0-0.5	330U
			2P-158	0-0.5	330U
			SD-1	0-0.5	330U
			SD-2	0-0.5	330U
			SD-3	0-0.5	330U

SOIL PST/PCB/
DX

APPENDIX H
SUMMARY OF LABORATORY RESULTS
PESTICIDES/PCBs
SOILS

FOOTNOTES:

ND - Indicates that the compound was analyzed for but not detected.

J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum lower limit but is greater than zero.

NOTE: All method blanks, the field blank and the trip blank were ND.

ALPHA BHC
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)

(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	20
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	11	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	13		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

BETA BHC
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	15
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	13	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	137		
1P4D	15	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	34		
1P8E	21		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

4,4' DDT
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	2.2J
		1P10F	ND
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	ND	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	ND	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F		1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

HEPTACHLOR EPOXIDE
NYSDEC - RI/FS 93rd Street School

SOILS SAMPLES (Collected November 1986)
(Depth Code: A=0-1ft.; B=1-2ft.; C=2-4ft.; D=4-6ft. E=6-8ft.; F=8-10ft.)

STATION NO.	CONCENTRATION (ug/kg)	STATION NO.	CONCENTRATION (ug/kg)
1P1A	ND	1P10A	ND
1P1B	ND	1P10B	ND
1P1C	ND	1P10C	ND
1P1D	ND	1P10D	ND
1P1E	ND	1P10E	ND
		1P10F	0.69J
1P2A	ND		
1P2B	ND	1P11A	ND
1P2C	ND	1P11C	ND
1P2D	ND	1P11D	ND
1P2E	0.58J	1P11E	ND
1P3A	ND	1P12A	ND
1P3B	ND	1P12B	ND
1P3C	ND	1P12C	ND
1P3E	ND		
1P3F	ND	1P13A	ND
		1P13B	ND
1P4A	2.6J	1P13C	ND
1P4B	ND	1P13D	ND
1P4C	ND		
1P4D	ND	1P15A	ND
1P4E	ND	1P15C	ND
1P4F	ND	1P15D	ND
		1P15E	ND
1P5A	ND	1P15F	ND
1P5B	ND		
1P5C	ND	1P16A	ND
1P5D	ND	1P16B	ND
		1P16C	ND
1P6A	ND	1P16D	ND
1P6C	ND	1P16E	ND
1P6D	ND		
		1P17A	ND
1P8A	ND	1P17B	ND
1P8B	ND	1P17C	ND
1P8C	ND		
1P8D	ND		
1P8E	ND		
1P8F	ND		
1P9A	ND		
1P9B	ND		
1P9C	ND		
1P9D	ND		
1P9E	ND		
1P9F	ND		

APPENDIX H
SUMMARY OF LABORATORY RESULTS
DIOXIN
SOILS AND SEDIMENTS

DIOXIN
NYSDEC - RI/FS 93rd Street School
SOILS SAMPLES (Collected November 1986)

STATION NO.	CONCENTRATION ppb	DETECTION LIMIT
1P1	ND	0.91*
1P2	ND	0.016
1P3	ND	0.16
1P4	ND	0.085
1P5	ND	0.043
1P6	ND	0.026
1P8	ND	0.044
1P9	ND	0.28
1P10	ND	0.010
1P11	ND	0.067
1P12	ND	0.015
1P13	ND	0.016
1P15	ND	0.019
1P16	ND	0.014
1P17	ND	0.0097

ND = Not detected at the limit shown

* sample reextracted

DIOXIN
NYSDEC - RI/FS 93rd Street School

SOILS AND SEDIMENTS SAMPLES (Collected June 1987)

<u>STATION NO.</u>	<u>CONCENTRATION ppb</u>	<u>DETECTION LIMIT ppb</u>
2P-112	ND	0.012
2P-113	ND	0.059
2P-114	ND	0.11
2P-115	ND	0.024
2P-117	ND	0.065
2P-118	ND	0.14
2P-119	ND	0.023*
2P-120	ND	0.018*
2P-121	ND	0.033
2P-135	ND	0.043*
2P-138	ND	0.030*
2P-139	ND	0.069
2P-140	ND	0.032
2P-144	ND	0.028

ND = Not detected at the limit shown

* = Sample Re-extracted

AQ. INORG.

APPENDIX H
SUMMARY OF LABORATORY RESULTS
INORGANICS
AQUEOUS

FOOTNOTES:

- [xxxx] - If the result is a value greater than or equal to the instrument detection limit but less than the contract-required detection limit, the value is reported in brackets (i.e., [10]).
- U - Indicates element was analyzed for but not detected. Values are reported with the instrument detection limit value (e.g., 10U).
- E - Indicates a value estimated or not reported due to the presence of interference.
- s - Indicates value determined by Method of Standard Addition.
- N - Indicates spike sample recovery is not within control limits.
- *
- Indicates duplicate analysis is not within control limits.
- +
- Indicates the correlation coefficient for method of standard addition is less than 0.995.
- M - Indicates duplicate injection results exceeded control limits.
- IDL - Instrument Detection Limit
- CRDL - Contract Required Detection Limit

ALUMINUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	255
SURFACE WTR 2	259
SMW-1	1020
SMW-2	600
SMW-3	584
SMW-4	656
SMW-5	258
SMW-6	364
SMW-7	694
SMW-8	200U
SMW-9	519
WELL 7135	539
WELL 7140	442
WELL 7145	311
WELL 7150	447
FIELD BLANK	206
IDL	200
CRDL	200

ANTIMONY DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	60U
SURFACE WTR 2	90
SMW-1	219
SMW-2	111
SMW-3	108
SMW-4	128
SMW-5	63
SMW-6	120
SMW-7	89
SMW-8	60U
SMW-9	94
WELL 7135	69
WELL 7140	74
WELL 7145	60U
WELL 7150	60U
FIELD BLANK	60U
IDL	60
CRDL	60

ARSENIC DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	5U
SURFACE WTR 2	5U
SMW-1	5U
SMW-2	[10]
SMW-3	5U
SMW-4	5U
SMW-5	5U
SMW-6	5U
SMW-7	5U
SMW-8	5U
SMW-9	5U
WELL 7135	5U
WELL 7140	5U
WELL 7145	5U
WELL 7150	5U
FIELD BLANK	5U
IDL	5
CRDL	10

BARIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	200U
SURFACE WTR 2	200U
SMW-1	200U
SMW-2	200U
SMW-3	200U
SMW-4	200U
SMW-5	200U
SMW-6	200U
SMW-7	200U
SMW-8	200U
SMW-9	200U
WELL 7135	200U
WELL 7140	200U
WELL 7145	200U
WELL 7150	200U
FIELD BLANK	200U
IDL	200
CRDL	200

BERYLLIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	3U
SURFACE WTR 2	3U
SMW-1	3U
SMW-2	3U
SMW-3	3U
SMW-4	3U
SMW-5	3U
SMW-6	3U
SMW-7	3U
SMW-8	3U
SMW-9	3U
WELL 7135	3U
WELL 7140	3U
WELL 7145	3U
WELL 7150	3U
FIELD BLANK	3U
IDL	3
CRDL	5

CADMIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	5U
SURFACE WTR 2	5U
SMW-1	8.5
SMW-2	5U
SMW-3	6.1
SMW-4	5U
SMW-5	5U
SMW-6	5U
SMW-7	5U
SMW-8	5.6
SMW-9	5U
WELL 7135	5U
WELL 7140	5U
WELL 7145	5U
WELL 7150	5U
FIELD BLANK	5U
IDL	5
CRDL	5

CALCIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	39300
SURFACE WTR 2	52300
SMW-1	353000
SMW-2	312000
SMW-3	175000
SMW-4	269000
SMW-5	221000
SMW-6	458000
SMW-7	175000
SMW-8	89700
SMW-9	3001000
WELL 7135	172000
WELL 7140	15000
WELL 7145	67100
WELL 7150	136000
FIELD BLANK	23900
IDL	
CRDL	5000

CHROMIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	46
SURFACE WTR 2	10U
SMW-1	10U
SMW-2	10U
SMW-3	10U
SMW-4	10U
SMW-5	10U
SMW-6	10U
SMW-7	10U
SMW-8	10U
SMW-9	10U
WELL 7135	10U
WELL 7140	10U
WELL 7145	10U
WELL 7150	10U
FIELD BLANK	10U
IDL	10
CRDL	10

COBALT DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	50U
SURFACE WTR 2	50U
SMW-1	50U
SMW-2	50U
SMW-3	50U
SMW-4	50U
SMW-5	50U
SMW-6	50U
SMW-7	50U
SMW-8	50U
SMW-9	50U
WELL 7135	50U
WELL 7140	50U
WELL 7145	50U
WELL 7150	50U
FIELD BLANK	50U
IDL	50
CRDL	50

COPPER DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	25U
SURFACE WTR 2	25U
SMW-1	25U
SMW-2	25U
SMW-3	25U
SMW-4	25U
SMW-5	25U
SMW-6	25U
SMW-7	52
SMW-8	25U
SMW-9	25U
WELL 7135	25U
WELL 7140	25U
WELL 7145	25U
WELL 7150	25U
FIELD BLANK	25U
IDL	25
CRDL	25

IRON DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	378E
SURFACE WTR 2	133E
SMW-1	3930E
SMW-2	19400E
SMW-3	314E
SMW-4	8420E
SMW-5	2970E
SMW-6	6140E
SMW-7	100UE
SMW-8	100UE
SMW-9	992E
WELL 7135	9460E
WELL 7140	194E
WELL 7145	100UE
WELL 7150	2870E
FIELD BLANK	100UE
IDL	100
CRDL	100

LEAD DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	12
SURFACE WTR 2	5U
SMW-1	10U
SMW-2	10U
SMW-3	5U
SMW-4	5U
SMW-5	5U
SMW-6	5U
SMW-7	5U
SMW-8	5U
SMW-9	5U
WELL 7135	5U
WELL 7140	5U
WELL 7145	5U
WELL 7150	5U
FIELD BLANK	5U
IDL	5
CRDL	5

MAGNESIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	21900
SURFACE WTR 2	25200
SMW-1	401000
SMW-2	91700
SMW-3	236000
SMW-4	49800
SMW-5	43800
SMW-6	119000
SMW-7	106000
SMW-8	81200
SMW-9	117000
WELL 7135	44600
WELL 7140	95100
WELL 7145	52200
WELL 7150	69400
FIELD BLANK	[4600]
IDL	
CRDL	5000

MANGANESE DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	65E
SURFACE WTR 2	209E
SMW-1	460E
SMW-2	3930E
SMW-3	55E
SMW-4	3870E
SMW-5	251E
SMW-6	505E
SMW-7	171E
SMW-8	91E
SMW-9	226E
WELL 7135	3710E
WELL 7140	28E
WELL 7145	131E
WELL 7150	2950E
FIELD DATA	15UE
IDL	15
CRDL	15

MERCURY DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	0.2U
SURFACE WTR 2	0.2U
SMW-1	0.2U
SMW-2	0.2U
SMW-3	0.2U
SMW-4	0.2U
SMW-5	0.2U
SMW-6	0.2U
SMW-7	0.22
SMW-8	0.2U
SMW-9	0.92
WELL 7135	0.2U
WELL 7140	0.2U
WELL 7145	0.2U
WELL 7150	0.2U
FIELD BLANK	0.2U
IDL	0.2
CRDL	0.2

NICKEL DATA
NYSDEC - RI/FS 93rd Street School

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	55
SURFACE WTR 2	40U
SMW-1	494
SMW-2	51
SMW-3	57
SMW-4	114
SMW-5	423
SMW-6	553
SMW-7	40U
SMW-8	54
SMW-9	52
WELL 7135	40U
WELL 7140	40U
WELL 7145	40U
WELL 7150	40U
FIELD BLANK	40U
IDL	40
CRDL	40

POTASSIUM DATA
NYSDEC - RI/FS 93rd Street School
AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	[2900]
SURFACE WTR 2	[4200]
SMW-1	6600
SMW-2	[1600]
SMW-3	[3300]
SMW-4	[4200]
SMW-5	[1000]
SMW-6	[4400]
SMW-7	[3000]
SMW-8	[3000]
SMW-9	[3600]
WELL 7135	[1300]
WELL 7140	[2100]
WELL 7145	[1600]
WELL 7150	[1100]
FIELD BLANK	[2100]
IDL	
CRDL	5000

SELENIUM DATA
NYSDEC - RI/FS 93rd Street School
AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	5U
SURFACE WTR 2	5U
SMW-1	10UE
SMW-2	5U
SMW-3	10UE
SMW-4	5U
SMW-5	5U
SMW-6	10UE
SMW-7	10U
SMW-8	5U
SMW-9	10UE
WELL 7135	5U
WELL 7140	10U
WELL 7145	5U
WELL 7150	5U
FIELD BLANK	5U
IDL	5
CRDL	5

SILVER DATA
NYSDEC - RI/FS 93rd Street School
AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	44N
SURFACE WTR 2	10UN
SMW-1	10UN
SMW-2	10UN
SMW-3	10UN
SMW-4	10UN
SMW-5	10UN
SMW-6	10UN
SMW-7	10UN
SMW-8	10UN
SMW-9	10UN
WELL 7135	10UN
WELL 7140	10UN
WELL 7145	10UN
WELL 7150	10UN
FIELD BLANK	10UN
IDL	10
CRDL	10

SODIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	[3800]
SURFACE WTR 2	7400
SMW-1	228000
SMW-2	119000
SMW-3	164000
SMW-4	56600
SMW-5	20700
SMW-6	66400
SMW-7	73200
SMW-8	53700
SMW-9	71000
WELL 7135	18900
WELL 7140	42600
WELL 7145	17300
WELL 7150	13700
FIELD BLANK	23000
IDL	
CRDL	5000

THALLIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	5U
SURFACE WTR 2	5U
SMW-1	5U
SMW-2	5U
SMW-3	5U
SMW-4	5U
SMW-5	5U
SMW-6	5U
SMW-7	5U
SMW-8	5U
SMW-9	5U
WELL 7135	5U
WELL 7140	5U
WELL 7145	5U
WELL 7150	5U
FIELD BLANK	5U
IDL	5
CRDL	10

VANADIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	50U
SURFACE WTR 2	50U
SMW-1	50U
SMW-2	50U
SMW-3	50U
SMW-4	50U
SMW-5	50U
SMW-6	50U
SMW-7	50U
SMW-8	50U
SMW-9	50U
WELL 7135	50U
WELL 7140	50U
WELL 7145	50U
WELL 7150	50U
FIELD BLANK	50U
IDL	50
CRDL	50

ZINC DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	72
SURFACE WTR 2	46
SMW-1	39
SMW-2	26
SMW-3	38
SMW-4	42
SMW-5	20U
SMW-6	46
SMW-7	29
SMW-8	60
SMW-9	33
WELL 7135	20U
WELL 7140	64
WELL 7145	28
WELL 7150	[20]
FIELD BLANK	67
IDL	20
CRDL	20

MOLYBDENUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	250U
SURFACE WTR 2	250U
SMW-1	1590
SMW-2	474
SMW-3	1140
SMW-4	305
SMW-5	301
SMW-6	667
SMW-7	642
SMW-8	448
SMW-9	813
WELL 7135	266
WELL 7140	573
WELL 7145	312
WELL 7150	393
FIELD BLANK	250U
IDL	250

TITANIUM DATA
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	100U
SURFACE WTR 2	100U
SMW-1	100U
SMW-2	100U
SMW-3	100U
SMW-4	100U
SMW-5	100U
SMW-6	100U
SMW-7	100U
SMW-8	100U
SMW-9	100U
WELL 7135	100U
WELL 7140	100U
WELL 7145	100U
WELL 7150	100U
FIELD BLANK	100U
IDL	100

AQ. VOC

APPENDIX H
SUMMARY OF LABORATORY RESULTS
VOLATILE ORGANIC COMPOUNDS
AQUEOUS

FOOTNOTES:

ND - Indicates that the compound was analyzed for but not detected.

J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum lower limit but is greater than zero.

B - This flag is used when the analyte is found in the blanks as well as the sample. The data presented in this summary have been adjusted to account for the presence of the analyte in the blanks. In general, the values reported by the laboratory are unchanged due to the relative insignificance of the concentration of the analyte in the blanks. Where adjustments have been made, an asterisk has been added to the flag.

D - Sample extract was diluted due to the sample matrix and/or concentration levels. All method lower limits of detection for these samples are necessarily increased by the dilution factors. Dilution factors are listed on the laboratory reports presented in the supplement to this report.

CRDL - Contract Required Detection Limit

CHLOROMETHANE
NYSDEC - RI/FS 93rd Street School
AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	ND
SURFACE WTR 2	ND
SMW-1	ND
SMW-2	ND
SMW-3	ND
SMW-4	ND
SMW-5	ND
SMW-6	3J
SMW-7	ND
SMW-8	ND
SMW-9	ND
WELL 7135	ND
WELL 7140	ND
WELL 7145	ND
WELL 7150	ND
FIELD BLANK	ND
TRIP BLANK	ND
METHOD BLANKS	ND

NOTE: CRDL = 10 ug/l except
20 for Surface Water 2
50 for Well 7140

BROMOMETHANE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	ND
SURFACE WTR 2	ND
SMW-1	ND
SMW-2	ND
SMW-3	ND
SMW-4	ND
SMW-5	ND
SMW-6	3J
SMW-7	ND
SMW-8	ND
SMW-9	ND
WELL 7135	ND
WELL 7140	ND
WELL 7145	ND
WELL 7150	ND
FIELD BLANK	ND
TRIP BLANK	ND
METHOD BLANKS	ND

NOTE: CRDL = 10 ug/l except
20 for SURFACE WTR 1
50 for WELL 7140

VINYL CHLORIDE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	ND
SURFACE WTR 2	ND
SMW-1	ND
SMW-2	ND
SMW-3	ND
SMW-4	ND
SMW-5	ND
SMW-6	3J
SMW-7	ND
SMW-8	ND
SMW-9	ND
WELL 7135	ND
WELL 7140	ND
WELL 7145	ND
WELL 7150	ND
FIELD BLANK	ND
TRIP BLANK	ND
METHOD BOANKS	ND

NOTE: CRDL = 10 ug/l except
20 for SURFACE WTR 1
50 for WELL 7140

CHLOROETHANE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	ND
SURFACE WTR 2	ND
SMW-1	ND
SMW-2	ND
SMW-3	ND
SMW-4	ND
SMW-5	ND
SMW-6	3J
SMW-7	ND
SMW-8	ND
SMW-9	ND
WELL 7135	ND
WELL 7140	ND
WELL 7145	ND
WELL 7150	ND
FIELD BLANK	ND
TRIP BLANK	ND
METHOD BLANKS	ND

NOTE: CRDL = 10 ug/l except
20 for SURFACE WTR 1
50 for WELL 7140

METHYLENE CHLORIDE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	2JB	3J
SURFACE WTR 2	5JBD	3J
SMW-1	2JB	3J
SMW-2	2JB	3J
SMW-3	2JB	3J
SMW-4	2JB	3J
SMW-5	OB*	6
SMW-6	4JB	4J
SMW-7	OB*	6
SMW-8	4JB	4J
SMW-9	OB*	6
WELL 7135	OB*	6
WELL 7140	24B*D	4J
WELL 7145	4JB	4J
WELL 7150	16B*	4J
FIELD BLANK	4B*	3J
TRIP BLANK	2B*	4J

NOTE: CRDL = 5 ug/l except
10 for SURFACE WTR 1
25 for WELL 7140

ACETONE
 NYSDEC - RI/FS 93rd Street School
AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	6JB	9J
SURFACE WTR 2	13JB0	9J
SMW-1	9B*	9J
SMW-2	8JB	9J
SMW-3	1B*	9J
SMW-4	ND	9J
SMW-5	4B*	10
SMW-6	83	ND
SMW-7	8B*	10
SMW-8	14	ND
SMW-9	87B*	10
WELL 7135	8B*	10
WELL 7140	1100D	ND
WELL 7145	14	ND
WELL 7150	8J	ND
FIELD BLANK	ND	8J
TRIP BLANK	6J	Nd

NOTE: CRDL = 10 ug/l except
 20 for SURFACE WTR 1
 50 for WELL 7140

CARBON DISULFIDE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	ND
SURFACE WTR 2	ND
SMW-1	ND
SMW-2	ND
SMW-3	ND
SMW-4	ND
SMW-5	2J
SMW-6	ND
SMW-7	ND
SMW-8	ND
SMW-9	ND
WELL 7135	ND
WELL 7140	ND
WELL 7145	ND
WELL 7150	ND
FIELD BLANK	ND
TRIP BLANK	ND
METHOD BLANKS	ND

NOTE: CRDL = 5 ug/l except
10 for SURFACE WTR 1
25 for WELL 7140

CHLOROFORM
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	0.7JB	3J
SURFACE WTR 2	3JB	3J
SMW-1	1JB	3J
SMW-2	ND	3J
SMW-3	ND	3J
SMW-4	ND	3J
SMW-5	2JB	2J
SMW-6	2JB	0.8J
SMW-7	1JB	2J
SMW-8	ND	0.8J
SMW-9	1JB	2J
WELL 7135	1JB	2J
WELL 7140	10JBD	0.8J
WELL 7145	1JB	0.8J
WELL 7150	2JB	0.8J
FIELD BLANK	9	2J
TRIP BLANK	4JB	0.8J

NOTE: CRDL = 5 ug/l except
10 for SURFACE WTR 1
25 for WELL 7410

2 - BUTANONE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	3JB	5J
SURFACE WTR 2	ND	5J
SMW-1	3JB	5J
SMW-2	3JB	5J
SMW-3	ND	5J
SMW-4	ND	5J
SMW-5	4JB	7J
SMW-6	ND	4J
SMW-7	ND	7J
SMW-8	ND	4J
SMW-9	ND	7J
WELL 7135	5JB	7J
WELL 7140	ND	4J
WELL 7145	ND	4J
WELL 7150	ND	4J
FIELD BLANK	ND	ND
TRIP BLANK	ND	4J

NOTE: CRDL = 10 ug/l except
20 for SURFACE WTR 1
50 for WELL 7140

1,1,1 - TRICHLOROETHANE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	ND	0.8J
SURFACE WTR 2	ND	0.8J
SMW-1	ND	0.8J
SMW-2	ND	0.8J
SMW-3	ND	0.8J
SMW-4	ND	0.8J
SMW-5	1J	ND
SMW-6	ND	ND
SMW-7	ND	ND
SMW-8	ND	ND
SMW-9	ND	ND
WELL 7135	ND	ND
WELL 7140	ND	ND
WELL 7145	ND	ND
WELL 7150	ND	ND
FIELD BLANK	ND	ND
TRIP BLANK	ND	ND

NOTE: CRDL = 5 ug/l except
10 for SURFACE WTR 1
25 for WELL 7140

1,1,2,2 - TETRACHLOROETHANE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	ND	2J
SURFACE WTR 2	ND	2J
SMW-1	3JB	2J
SMW-2	1JB	2J
SMW-3	2JB	2J
SMW-4	ND	2J
SMW-5	3JB	3J
SMW-6	ND	ND
SMW-7	ND	3J
SMW-8	ND	ND
SMW-9	ND	3J
WELL 7135	1JB	3J
WELL 7140	ND	ND
WELL 7145	ND	ND
WELL 7150	ND	ND
FIELD BLANK	ND	3J
TRIP BLANK	ND	ND

NOTE: CRDL = 5 ug/l except
10 for SURFACE WTR 1
25 for WELL 7140

TRICHLOROETHENE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	ND	1J
SURFACE WTR 2	ND	1J
SMW-1	1JB	1J
SMW-2	ND	1J
SMW-3	ND	1J
SMW-4	ND	1J
SMW-5	1JB	2J
SMW-6	ND	ND
SMW-7	ND	2J
SMW-8	ND	ND
SMW-9	ND	2J
WELL 7135	ND	2J
WELL 7140	ND	ND
WELL 7145	ND	ND
WELL 7150	ND	ND
FIELD BLANK	ND	ND
TRIP BLANK	ND	ND

NOTE: CRDL = 5 ug/l except
10 for SURFACE WTR 1
25 for WELL 7140

BENZENE
 NYSDEC - RI/FS 93rd Street School
AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	0.7JB	2J
SURFACE WTR 2	2JBD	2J
SMW-1	2JB	2J
SMW-2	1JB	2J
SMW-3	1JB	2J
SMW-4	0.8JB	2J
SMW-5	1JB	1J
SMW-6	2J	ND
SMW-7	ND	1J
SMW-8	0.6J	ND
SMW-9	1JB	1J
WELL 7135	1JB	1J
WELL 7140	ND	ND
WELL 7145	ND	ND
WELL 7150	0.6J	ND
FIELD BLANK	ND	ND
TRIP BLANK	ND	ND

NOTE: CRDL = 5 ug/l except
 10 for SURFACE WTR 1
 25 for WELL 7140

2 - HEXANONE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	ND	5J
SURFACE WTR 2	ND	5J
SMW-1	ND	5J
SMW-2	ND	5J
SMW-3	2JB	5J
SMW-4	ND	5J
SMW-5	ND	7J
SMW-6	ND	4J
SMW-7	ND	7J
SMW-8	ND	4J
SMW-9	3JB	7J
WELL 7135	2JB	7J
WELL 7140	ND	4J
WELL 7145	ND	4J
WELL 7150	ND	4J
FIELD BLANK	ND	ND
TRIP BLANK	ND	4J

NOTE: CRDL = 10 ug/l except
20 for SURFACE WTR 1
50 for WELL 7140

4-METHYL-2-PENTANONE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	ND	5J
SURFACE WTR 2	ND	5J
SMW-1	ND	5J
SMW-2	2JB	5J
SMW-3	2JB	5J
SMW-4	2JB	5J
SMW-5	3JB	6J
SMW-6	ND	3J
SMW-7	ND	6J
SMW-8	ND	3J
SMW-9	3JB	6J
WELL 7135	2JB	6J
WELL 7140	ND	3J
WELL 7145	ND	3J
WELL 7150	ND	3J
FIELD BLANK	ND	ND
TRIP BLANK	ND	3J

NOTE: CRDL = 10 ug/l except
20 for SURFACE WTR 1
50 for WELL 7140

TOLUENE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)	METHOD BLANK (ug/l)
SURFACE WTR 1	0.9JB	1J
SURFACE WTR 2	ND	1J
SMW-1	1JB	1J
SMW-2	ND	1J
SMW-3	ND	1J
SMW-4	ND	1J
SMW-5	ND	ND
SMW-6	ND	1J
SMW-7	ND	ND
SMW-8	ND	1J
SMW-9	ND	ND
WELL 7135	ND	ND
WELL 7140	ND	1J
WELL 7145	ND	1J
WELL 7150	ND	1J
FIELD BLANK	ND	ND
TRIP BLANK	ND	1J

NOTE: CRDL = 5 ug/l/ except
10 for SURFACE WTR 1
25 for WELL 7140

ETHYLBENZENE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	1JB
SURFACE WTR 2	ND
SMW-1	2JB
SMW-2	1JB
SMW-3	1JB
SMW-4	1JB
SMW-5	ND
SMW-6	ND
SMW-7	ND
SMW-8	ND
SMW-9	ND
WELL 7135	ND
WELL 7140	ND
WELL 7145	ND
WELL 7150	ND
FIELD BLANK	ND
TRIP BLANK	ND
METHOD BLANKS	2J (except ND for field blank)

NOTE: CRDL = 5 ug/l except
10 for SURFACE WTR 1
25 for WELL 7140

AQ. BNA

APPENDIX H
SUMMARY OF LABORATORY RESULTS
BASE/NEUTRAL/ACID COMPOUNDS
AQUEOUS

FOOTNOTES:

No data entry indicates that the compound was analyzed for but not detected.

- J - Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum lower limit but is greater than zero.

CRDL - Contract Required Detection Limit

BUTYLBENZYLPHTHALATE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	ND
SURFACE WTR 2	ND
SMW-1	ND
SMW-2	ND
SMW-3	ND
SMW-4	ND
SMW-5	ND
SMW-6	ND
SMW-7	ND
SMW-8	ND
SMW-9	ND
WELL 7135	ND
WELL 7140	ND
WELL 7145	ND
WELL 7150	ND
FIELD BLANK	0.9J
METHOD BLANK	ND

NOTE: CRDL = 10 ug/l

BIS(2-ETHYLHEXYL)PHTHALATE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	2J
SURFACE WTR 2	ND
SMW-1	1J
SMW-2	2J
SMW-3	4J
SMW-4	ND
SMW-5	ND
SMW-6	ND
SMW-7	ND
SMW-8	ND
SMW-9	ND
WELL 7135	7J
WELL 7140	3J
WELL 7145	12
WELL 7150	100
FIELD BLANK	ND
METHOD BLANK	ND

NOTE: CRDL = 10 ug/l

DI-N-OCTYL PHTHALATE
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION (ug/L)
SURFACE WTR 1	21
SURFACE WTR 2	13
SMW-1	18
SMW-2	3J
SMW-3	2J
SMW-4	2J
SMW-5	6J
SMW-6	6J
SMW-7	4J
SMW-8	13
SMW-9	29
WELL 7135	ND
WELL 7140	3J
WELL 7145	11
WELL 7150	35
FIELD BLANK	140
METHOD BLANK	ND

NOTE: CRDL = 10 ug/l

AQ. PST/PCB/DX

APPENDIX H
SUMMARY OF LABORATORY RESULTS
PESTICIDES/PCBs
AQUEOUS

NOTE: No Pesticides or PCBs were detected in the Aqueous samples.

APPENDIX H
SUMMARY OF LABORATORY RESULTS
DIOXIN
AQUEOUS

DIOXIN
NYSDEC - RI/FS 93rd Street School

AQUEOUS SAMPLES (Collected December 1986)

STATION NO.	CONCENTRATION ppt	DETECTION LIMIT ppt
SURFACE WTR 1	ND	0.24
SURFACE WTR 2	ND	0.34
SMW-1	ND	0.22
SMW-2	ND	0.24
SMW-3	ND	0.20
SMW-4	ND	0.27
SMW-5	ND	0.15
SMW-6	ND	0.29
SMW-7	ND	0.11
SMW-8	ND	0.21
SMW-9	ND	0.17
WELL 7135	ND	0.21
WELL 7140	ND	0.17
WELL 7145	ND	0.32
WELL 7150	ND	0.14
FIELD BLANK	ND	0.19
METHOD BLANK	ND	0.23